

## GREETINGS FROM THE DEAN

We began to compile a record of the achievements of Stony Brook's graduate Students in 1991 and have published an issue each academic year since then. This issue covers the 2006-2007 academic year.

The accomplishments of Stony Brook's graduate students are quite extraordinary. They include winning numerous, prestigious, national and international fellowships and research grants. Our students have also established an impressive presence in the literatures of their disciplines with publications in many of the best scholarly journals and books. They have achieved recognition in the creative arts with acclaimed exhibitions and performances. Stony Brook's graduate students also won awards for their excellence as teachers. Our students participate fully in the intellectual activities of their field of scholarship by participation in conferences and workshops. Finally, graduates of Stony Brook's programs leave us to take up a wide variety of professional appointments. Many of these are Post-Doctoral fellowships or faculty positions at some of the nation's finest universities. In addition, Stony Brook's graduates carry the knowledge and expertise that they gained here to many prestigious institutions overseas, thus enhancing Stony Brook's international reputation as an outstanding research university.

The success of Stony Brook's graduate enterprise is rooted in the success of the faculty of the University in research, scholarship and creative activities. The international reputation of Stony Brook's faculty attracts outstanding students to our graduate programs from across the country and around the world. Our educational programs and the opportunities to work with dedicated faculty mentors develop the potential that students bring with them so that they become independent researchers and scholars. Graduate education lies at the heart of a research University and this publication demonstrates the vitality of the research, scholarly and creative activities underway at Stony Brook. The students whose accomplishments make up this document deserve recognition for their achievements and our thanks for what they have contributed to the intellectual life of the campus and to the reputation of our University. The faculty who have guided these efforts and the staff and administration of the University who help to foster an environment in which scholastic excellence is valued and in which outstanding graduate education can take place all played important roles in the successes documented here.

The achievements listed here required hard work by many people and all who contributed should feel a sense of pride in the accomplishments of these students. My congratulations and thanks to all concerned.



Lawrence B. Martin  
Dean of the Graduate School

## Acknowledgements

The Graduate School would like to extend special thanks to all participating Stony Brook graduate students who have made this publication possible, the deans for encouraging their respective programs to participate, and the chairs, graduate directors, and graduate coordinators who have taken the time to coordinate and submit the program's achievements.

- **On the Cover**

*House* by Amy Marinelli

**Amy Marinelli** is a graduate student in the Master of Fine Arts program in Studio Arts and the winner of the 2007 Dorothy L. Pieper Memorial Purchase Prize

- **Cover Design:** Samia Omar
- **Editing and Typesetting:** Samia Omar

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# GRADUATE PROGRAMS

❖ **BASIC HEALTH SCIENCES, Vice Dean for Research: Wadie Bahou**  
**Anatomical Sciences**

Molecular and Cellular Pharmacology  
Molecular Genetics and Microbiology  
Immunology and Pathology  
Oral Biology and Pathology  
Physiology and Biophysics

❖ **SOCIAL WELFARE, Dean: Francis Brisbane**

❖ **COLLEGE OF ARTS AND SCIENCES, Dean: James V. Staros**

Anthropological Sciences  
Anthropology  
Art History & Criticism and Studio Art  
Biochemistry and Structural Biology  
Chemistry  
Comparative Literature  
Ecology and Evolution  
Economics  
English  
European Languages, Literatures and Cultures  
Genetics  
Geosciences  
Hispanic Languages, Literatures and Cultures  
History  
Linguistics  
Mathematics  
Molecular and Cellular Biology  
Music  
Neuroscience  
Philosophy  
Physics and Astronomy  
Political Science  
Psychology  
Sociology  
Theatre Arts  
Women's Studies  
Writing and Rhetoric

❖ **COLLEGE OF BUSINESS, Dean: Bill Turner**

❖ **COLLEGE OF ENGINEERING AND APPLIED SCIENCES, Dean: Yacov Shamash**

Applied Mathematics and Statistics  
Biomedical Engineering  
Computer Science  
Electrical and Computer Engineering  
Management and Policy  
Materials Science and Engineering  
Mechanical Engineering  
Technology and Society

❖ **MARINE SCIENCES RESEARCH CENTER, Dean: David Conover**

School of Marine & Atmospheric Sciences

❖ **SCHOOL OF PROFESSIONAL DEVELOPMENT & CONTINUING STUDIES, Dean: Paul Edelson**

# The 2007 GRADUATE AWARDS

## ❖ President's Award for Excellence in Teaching

This award is made in recognition of excellence in teaching by graduate students. The name of each recipient will be inscribed on Stony Brook's Roll of Recognition for Teaching Excellence.

Dolores Cannella	<i>Psychology</i>
Justin Georgi	<i>Anatomical Sciences</i>
Brady Heiner	<i>Philosophy</i>
Donald Landes	<i>Philosophy</i>
Julia Martinez	<i>Hispanic Languages &amp; Literature</i>
Christopher Noto	<i>Ecology &amp; Evolution</i>

## ❖ President's Award to Distinguished Doctoral Students

This award is made in recognition of the following criteria:

1. The candidate's dissertation and its research base are of outstanding merit, or
2. The student, in conduct of doctoral work made exceptional contributions to the University, or
3. The student, in completing candidacy overcame personal or social handicaps of an unusual nature.

Bengt Allen	<i>Ecology &amp; Evolution</i>
Harold Bien	<i>Biomedical Engineering</i>
Gabrielle Chiaramonte	<i>Psychology</i>
Brenda Elsey	<i>History</i>
Minhua Shao	<i>Materials Science</i>

## ❖ Dorothy L. Pieper Memorial Purchase Prize

This award is presented to a student in the Master of Fine Arts Program for an outstanding work of visual art. The work winning the Pieper Prize appears on the cover of the Graduate Student Achievements for the corresponding academic year.

Amy Marinelli	<i>Studio Art</i>
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❖ **The Madeline Fusco Fellowship**

This fellowship is awarded to outstanding women or minority doctoral students completing a dissertation.

Eliza Woo

*Ecology and Evolution*

❖ **The Mildred and Herbert Weisinger Dissertation Fellowship**

This fellowship is awarded to graduate students completing dissertations that bear significant scholarly promise, and whose work might otherwise be delayed due to financial obligation.

Anna Sher

*Sociology*

# ANATOMICAL SCIENCES

GRADUATE DIRECTOR: MAUREEN O'LEARY  
DEPARTMENT CHAIR: WILLIAM JUNGERS

## ❖ Grants, Fellowships, and Awards

- Boyer, Doug M.** (2006-2007) Evolving Earth Foundation Research Grant, \$2,962.00. *Evolving Earth Foundation*, Issaquah, WA.
- Boyer, Doug M.** (2006-2008) Dissertation Improvement Grant, \$8,362.00. *National Science Foundation*, Washington, DC.
- Farke, Andrew.** (2006) Research Grant, \$1,600. *Jurassic Foundation*, Baltimore, MD.
- Farke, Andrew.** (2006) Stephen J. Gould Grant-in-Aid of Research, \$1,600. *Paleontological Society*, Lancaster, PA.
- Farke, Andrew.** (2007) Grant-in-Aid of Research, \$1,600. *Sigma Xi*, Research Triangle Park, North, Carolina.
- Georgi, Justin.** (2007) President's Award for Excellence in Teaching by a Graduate Student. *Stony Brook University*, Stony Brook, NY.

## ❖ Singly Authored Publications/Research Reports/Reviews

- Farke, Andrew.** (2006) Morphology and ontogeny of the cornual sinuses in chasmosaurine dinosaurs (Ornithischia: Ceratopsidae). *Journal of Paleontology* 80:780-785.
- Farke, Andrew.** (2007) Morphology, constraints, and scaling of frontal sinuses in the hartebeest, *Alcelaphus buselaphus* (Mammalia: Artiodactyla, Bovidae). *Journal of Morphology* 26:243-253.
- Farke, Andrew.** (2006) Cranial osteology and phylogenetic relationships of the chasmosaurine ceratopsid *Torosaurus latus*. In C. Carpenter (Ed.), *Horns and Beaks: Ceratopsian and Ornithomimid Dinosaurs*. Bloomington, IN: Indiana University Press.

## ❖ Jointly Authored Publications/Research Reports/Reviews

- Bloch, J.I., Silcox, M.T., **Boyer, Doug M.**, and Sargis, E.J. (2007) New Paleocene skeletons and the relationship of plesiadapiforms to crown-clade primates. *Proceedings of the National Academy of Sciences* 104: 1159-1164.
- Bloch, J.I., and **Boyer, Doug M.** (2007) New skeletons of Paleocene-Eocene Plesiadapiformes: a diversity of arboreal positional behaviors in early primates. In M. Ravosa and M. Dagosto (Eds.), *Primate Origins: Adaptations and Evolution*. New York, NY: Springer.
- Boyer, Doug M.**, and Bloch, J.I. (in press) Evaluating the mitten-gliding hypothesis for Paromomyidae and Micromomyidae (Mammalia, "Plesiadapiformes") using comparative functional morphology of new Paleogene skeletons. In E.J. Sargis and M. Dagosto (Eds.), *Mammalian Evolutionary Morphology: A Tribute to Frederick S. Szalay*. Dordrecht, Netherlands: Springer.



- Boyer, Doug M.**, Patel, B.A., Larson, S.G., and Stern, J.T. (2007) Telemetered electromyography of peroneus longus in *Varecia variegata* and *Eulemur rubriventer*: implications for the functional significance of a large peroneal process. *Journal of Human Evolution* 53(2):119-34.
- Sargis, E.J., **Boyer, Doug M.**, Bloch, J.I., and Silcox, M.T. (2007) Evolution of pedal grasping in Primates. *Journal of Human Evolution* 53(1):103-7.
- Silcox, M.T., **Boyer, Doug M.**, Bloch, J.I., and Sargis, E.J. (2007) Revisiting the adaptive origins of primates (again). *Journal of Human Evolution*: doi:10.1016/j.jhevol.2007.01.010.
- Farke, Andrew**, and Alley, W. (2006) Morphology and ontogeny of the cornual sinuses in chasmosaurine dinosaurs (Ornithischia: Ceratopsidae). *Journal of Paleontology* 80(4):780–785.
- Tanke, D.H., and **Farke, Andrew**. (2006) Bone resorption, bone lesions, and extra cranial fenestrae in ceratopsid dinosaurs: a preliminary assessment. In C. Carpenter (Ed.), *Horns and Beaks: Ceratopsian and Ornithomimid Dinosaurs*. Bloomington, IN: Indiana University Press.
- Farke, Andrew**, and Williamson, T. (2006) A ceratopsid dinosaur parietal from New Mexico and its implications for ceratopsid biogeography and systematics. *Journal of Vertebrate Paleontology* 26:1018-1020.
- Georgi, Justin**, and Sipla, J. (in press) Balance: Comparative and Functional Anatomy in Aquatic Reptiles and Birds. In J.G.M. Thewissen and S. Numela (Eds.), *Senses on the Threshold*. Berkeley, CA: University of California Press.
- Georgi, Justin, and **Sipla, J.** (in press) Balance: Comparative and Functional Anatomy in Aquatic Reptiles and Birds. In J.G.M. Thewissen and S. Numela (Eds.), *Senses on the Threshold*. Berkeley, CA: University of California Press.

❖ **Conferences/Colloquiums, Presentations, Symposiums, Workshops**

- Bloch, J.I., **Boyer, Doug M.**, and Krause, D.W. (2006) New mammal-bearing quarry from the earliest Tiffanian (Early Late Paleocene) of the Eastern Crazy Mountains Basin, Montana. *66th Annual Meeting of the Society of Vertebrate Paleontology*. Ottawa, Canada.
- Scott, C.S., and **Boyer, Doug M.** (2006) First skeletal material of *Litocherus notissimus* (Simpson) (Mammalia, Erinaceomorpha) from the Late Paleocene of south central Alberta, Canada. *66th Annual Meeting of the Society of Vertebrate Paleontology*. Ottawa, Canada.
- Farke, Andrew**. (2006) Evolution and anatomic origin of the frontal sinus complex in ceratopsian dinosaurs. *66th Annual Meeting of the Society of Vertebrate Paleontology*. Ottawa, Canada.
- Farke, Andrew**. (2006) Horned dinosaurs: how much do we really know? *Aurora Fossil Festival*. Aurora, NC.
- Farke, Andrew**. (2007) New tools for old bones. *Carhart Lecture Series, Dakota Wesleyan University*. Mitchell, SD.
- Georgi, Justin**. (2007) Semicircular Canal Morphology as Evidence of Locomotor Behavior in Amniotes. *Society of Integrative and Comparative Biology Annual Meeting*. Phoenix, AZ.
- Georgi, Justin**. (2006) Dyrosaurid Inner Ear Morphology as Evidence for Locomotor Behavior. *Journal of Vertebrate Paleontology* 26(3): 66A-66A.

# ANTHROPOLOGICAL SCIENCES

GRADUATE DIRECTOR: ELIZABETH STONE  
DEPARTMENT CHAIR: DIANE DORAN

## ❖ Grants, Fellowships, and Awards

- Baden, Andrea L.** (2006) Physical and genetic viability of the black-and-white ruffed lemur (*Varecia variegata*) in Ranomafana National Park, Madagascar, \$1,500. *Primate Conservation, Inc. Research Grant*, Charlestown, RI.
- Baden, Andrea L.** (2007) Finicky females? Social and reproductive tactics of black-and-white ruffed lemurs. \$25,000. *Fulbright Program*, Washington, DC.
- Bevin, Amanuel.** (2006) Individual Research Grant, \$22,700. *The Wenner-Gren Foundation*, New York, NY.
- Bevin, Amanuel.** (2006) Travel Award, \$1,000. *Society for Africanist Archaeologist*, Calgary, Canada.
- Deppe, Anja M.** (2006) Conservation grant, \$2,000. *Primate Conservation, Inc.*, Charlestown, RI.
- Deppe, Anja M.** (2006) Conservation grant, \$4,000. *Conservation International: Primate Action Fund*, Washington, DC.
- Férrnandez, David.** (2005-2007) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.
- Férrnandez, David.** (2006) Research grant, \$1,800. *Primate Conservation Inc.*, Charlestown, RI.
- Férrnandez, David.** (2006) Grant-In-Aid of Research, \$400. *Sigma Xi*, Research Triangle Park, NC.
- Férrnandez, David.** (2007) General grant, \$225. *SUNY-GSEU Professional Development Funds*, Stony Brook University, Stony Brook, NY.
- Férrnandez, David.** (2007) IDPAS Travel award, \$350. *Stony Brook University*, Stony Brook, NY.
- Férrnandez, David.** (2007) IDPAS Research award, \$1,000. *Stony Brook University*, Stony Brook, NY.
- Henecke, Jennifer.** (2007) Dienje Kenyon Fellowship, \$500. *Society of American Archaeologists*, Washington, DC.
- Lodwick, Jessica.** (2006) General Research Grant, \$6,500. *The Leakey Foundation*, San Francisco, CA.
- Lodwick, Jessica.** (2007) SUNY -GSEU Professional Development Fund, \$200. *CWA1104/ Graduate Student Employees Union*, Albany, NY.
- Martin, Sara.** (2006) Primate Action Fund, \$5,000. *Conservation International*, Arlington, VA.
- Mayor, Mireya I.** (2007) National Geographic Emerging Explorer, \$10,000. *National Geographic Society*, Washington, DC
- Ossi, Kerry.** (2006) Small Research Grant, \$1500. *American Society of Primatologist 2006*. Davis, CA.
- Ossi, Kerry.** (2006) Leakey Foundation Research Grant, \$13,430. *The Leakey Foundation*, San Francisco, CA.
- Ossi, Kerry.** (2007) Dissertation Improvement Grant, \$6,737. *National Science Foundation*, Washington DC.
- Patel, Biren A.** (2006) Normal Creel Prize for Outstanding Student Research in Anatomical Sciences. *Department of Anatomical Sciences, Stony Brook University*, Stony Brook, NY.

- Patel, Biren A.** (2006) Professional Development Program, \$548. *Graduate Student Employees Union*, Stony Brook University.
- Salmi, Roberta.** (2006) SUNY-GSEU Professional Development Fund, \$600. *CWA 1104/Graduate Student Employees*, Albany, NY.
- Salmi, Roberta.** (2007) SUNY-GSEU Professional Development Fund, \$225. *CWA 1104/Graduate Student Employees*, Albany, NY.
- Salmi, Roberta.** (2007) IDPAS Research Award, \$ 1000. *Stony Brook University*, Stony Brook, NY.
- Chauhan, P., Sathe, V., Williams, M., Patnaik, R., and **Sisk, M.L.** (2006) Paleanthropological Surveys and GIS Mapping in the Narmada Basin, Central India, \$23,160. *Wenner-Gren Foundation*, New York, NY.
- Wallace, Ian J.** (2006-2007) Turkana Basin Institute Graduate Fellowship, \$15,000 per year (5 years). *Turkana Basin Institute*, Stony Brook, NY.
- Wallace, Ian J.** (2007) Predoctoral Graduate Research Fellowship, Honorable Mention. *National Science Foundation*, Washington, DC.

❖ **Singly Authored Publications/Research Reports/Reviews**

- Hirsch, Ben.** (2007) Spoiled brats: an extreme form of juvenile dominance in the ring-tailed coati (*Nasua nasua*). *Ethology* 113(5):446-456.
- Hirsch, Ben.** (2007) Costs and benefits of within-group spatial position: a feeding competition model. *Quarterly Review of Biology* 82:9-27.
- Hirsch, Ben.** (2006) Antipredator Defenses in Birds and Mammals. Tim Caro. *ISBE Newsletter* 18:36-37.
- Larney, Eileen.** (2006) Blood or barter: Infant handling in a female dispersal species, *Trachypithecus phayrei*. *American Journal of Primatology Bulletin* 30(2):11-13.
- Sisk, M.L.** (2006) Analyse topographique tridimensionnelle des unités stratigraphiques (US) primaires de l'abri Castanet (secteur sud). In R. White (Ed.), *Abri Castanet, Nouveau Secteur. Rapport de Fouille Programmé, Année 2006* (pp.121-127) Bordeaux, France: Service Régional de l'Archéologie, Min. de la Culture.
- Sisk, M.L.** (2006) Topographie du secteur entourant la fouille d'Abri Castanet. In R. White (Ed.), *Abri Castanet, Nouveau Secteur. Rapport de Fouille Programmé, Année 2006* (pp.121-127) Bordeaux, France: Service Régional de l'Archéologie, Min. de la Culture.
- St Clair, Elizabeth M.** (in press) Sexual dimorphism in the pelvis of *Microcebus*. *International Journal of Primatology*.
- Wallace, Ian J.** (2006) A description of lithic artefacts from the Springbok Flats, South Africa. *Annals of the Transvaal Museum* 43:113-115.
- Wallace, Ian J.** (2006) Review of Examining the Levallois Reduction Strategy from a Design Theory Point of View, by D.M. Sandgathe. *PaleoAnthropology* 2006:51-53.
- Wheeler, Brandon C.** (2007) Final report to the American Society of Primatologists for ASP Small grant awarded in June 2004: The deceptive use of alarm calls by wild tufted capuchins (*Cebus apella*) in northeastern Argentina. *American Society of Primatologists Bulletin* 30(4):9-11.

❖ **Jointly Authored Publications/Research Reports/Reviews**

- Beyin, Amanuel**, and Shea, J. (in press) Reconnaissance of Prehistoric Sites on the Red Sea Coast of Eritrea (Northeast Africa). *Journal of Field Archaeology*.
- Beyin, Amanuel**, and Shea, J. (in press) Evidence for Middle and Late Stone Age cultures on the Buri Peninsula and Gulf of Zula, Red Sea Coast of Eritrea. In Schmidt P. et al. (Eds.), *Aspects of Eritrean Archaeology: Recent advances*.
- Coleman, Mark**, and Colbert, M.W. (2007) Technical Notes: CT thresholding protocols for taking measurements on three-dimensional models. *Am J Phys Anthropol* 133(1):723-725.
- Henecke, Jennifer, and **Demirergi, A.** (in press) Ubaid Faunal Remains. *Anatolica*.
- Deppe, Anja M.**, Randriamiarisoa, M., Schuette, K. and Wright, P.C. (in press) A brief lemur survey of the Ranomafana National Park-Andringitra Reserve corridor region in Tolongoina, Southeast Madagascar. *Lemur News*.
- Doran-Sheehy, D.M., **Derby, Abigail M.**, Greer, D. and Mongo, P. (2007) Habituation of Western Gorillas: The process and factors that influence it. *American Journal of Primatology* 69:1–16.
- Henecke, Jennifer**, and Demirergi, A. (in press) Ubaid Faunal Remains. *Anatolica*
- Di Blanco, Yamil, and **Hirsch, Ben.** (2006) Determinants of vigilance behavior in the ring-tailed coati (*Nasua nasua*); the importance of within-group spatial position. *Behav Ecol Sociobiol* 61:173-182.
- Mittermeier, Russell A., Ganzhorn, Jörg U., Konstant, William R., Glander, Kenneth, Tattersall, Ian, Groves, Colin P., Rylands, Anthony B., Hapke, Andreas, Ratsimbazafy, Jonah, **Mayor, Mireya I.** Louis Jr, Edward E., Rumpler, Yves, Schwitzer, Christoph, and Rasoloarison, Rodin M. (in press) Lemur Diversity in Madagascar. *International Journal of Primatology*.
- Young, J.W., **Patel, Biren A.**, Stevens N.J. (2007) Body mass distribution and gait mechanics in fat tailed dwarf lemurs (*Cheirogaleus medius*) and patas monkeys (*Erythrocebus patas*). *Journal of Human Evolution*: doi:10.1016/j.jhevol.2007.01.005.
- Boyer, Doug M., **Patel, Biren A.**, Larson, S.G., and Stern Jr., J.T. (2007) Telemetered electromyography of peroneus longus in *Varecia variegata* and *Eulemur rubriventer*: implications for the functional significance of a large peroneal process. *Journal of Human Evolution* 53(2):119-34.
- Patel, Biren A.**, and Carlson, K.J. (2007) Bone density spatial patterns in the distal radius reflect habitual hand postures adopted by quadrupedal primates. *Journal of Human Evolution* 52:130-141.
- Patel, Biren A.**, Gilbert, C.C., and Ericson, K.E. (2007) Cercopithecoid cervical vertebral morphology and implications for the presence of *Theropithecus* in early Pleistocene Europe. *Journal of Human Evolution* 52:113-129.
- Patel, Biren A.**, and Grossman, A. (2006) Dental metric comparisons of *Morotopithecus* and *Afropithecus*: Implications for the validity of the genus *Morotopithecus*. *J Hum Evol* 51:506-512.
- Carlson, K.J., and **Patel, Biren A.** (2006) Habitual use of the primate forelimb is reflected in the material properties of subchondral bone in the distal radius. *Journal of Anatomy* 208:659-670.
- Patel, Biren A.**, and Young, J.W. (2006) Integrative primate biology. *Evol Anthropol* 15:123-124.
- Gilbert, C.C., and **Patel, Biren A.** (2006) Elwyn L. Simons: A conference in tribute to his life and work. *Evolutionary Anthropology* 15(2 ):40 – 41.
- Royer, Danielle F.**, Gilbert, C.C., Sisk, M.L., and Wallace, I.J. (in press) The First Humans: The 3rd Annual Stony Brook Human Evolution Symposium and Workshop. *Evolutionary Anthropology*.
- Pearson, O.M., **Royer, Danielle F.**, Fleagle, J.G., and Grine, F.E. (in press) A description of the Omo 1 postcranial skeleton, including newly discovered fossils. *Journal of Human Evolution*.

- Pearson, O.M., Fleagle, J.G., Grine, F.E., and **Royer, Danielle F.** (in press) Brief report on further hominin fossils from the Kibish Formation, southwestern Ethiopia. *Journal of Human Evolution*.
- Sisk, M.L.**, and Shea, J.J. (in press) Intrasite Spatial Variation of the Omo Kibish MSA Assemblages: Artifact Refitting and Distribution Patterns. *Journal of Human Evolution*.
- Royer, Danielle F., Gilbert, C.C., **Sisk, M.L.**, and Wallace, I.J. (in press) The First Humans: The 3rd Annual Stony Brook Human Evolution Symposium & Workshop. *Evolutionary Anthropology*.
- Sisk, M.L.**, and Shea, J.J. (2006) Paleoanthropology in Puerto Rico. *Evolutionary Anthropology* 15:201-203.
- Wallace, Ian J.**, and Shea, J.J. (2006) Mobility patterns and core technologies in the Middle Paleolithic of the Levant. *Journal of Archaeological Science* 33:1293-1309.
- Royer, Danielle F., Gilbert, Christopher C., Sisk, Mathew L., and **Wallace, Ian J.** (in press) The first humans: The 3<sup>rd</sup> Annual Stony Brook Human Evolution Symposium and Workshop. *Evolutionary Anthropology*.
- Young, Jesse W.**, Patel, B.A., and Stevens, N.S. (2007) Body mass distribution and gait mechanics in fat-tailed dwarf lemurs (*Cheirogaleus medius*) and patas monkeys (*Erythrocebus patas*). *Journal of Human Evolution* 53(2):119-34.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Baden, Andrea L.** (2007) Ranging patterns and group fluidity of black-and-white ruffed lemurs (*Varecia variegata*) at Mangevo (Ranomafana National Park, Madagascar). *76th Annual Meetings of the American Association of Physical Anthropologists*. Philadelphia, PA.
- Baden, Andrea L.**, Kelly, S., Engberg, S., Brenneman, R.A., and Louis, E.E. (2007) Morphometric variation in wild black-and-white ruffed lemurs (*Varecia variegata*, Kerr 1792). *International Prosimian Congress*. Ithala, South Africa.
- Beyin, Amanuel.** (2006) Paleolithic Investigation on the Red Sea Coast of Eritrea: *18th Biennial Meeting of the Society of Africanist Archaeologists* (SAFA). Calgary, Canada.
- Beyin, Amanuel**, and Woldu, G. (2006) Preliminary results from Paleolithic sites on the Red Sea Coast of Eritrea. *Paleoanthropology Society Meeting*. Philadelphia, PA.
- Coleman, Mark**, Kay, R.F., and Colbert, M.W. (2007) Evaluating hearing sensitivity in *Homunculus patagonicus*. *American Association of Physical Anthropologist 76<sup>th</sup> Annual Meeting*. Philadelphia, PA.
- Henecke, Jennifer, and **Demirergi, A.** (2007) The Analysis of the Ubaid Animal Bones from Kenan Tepe. *Society of American Archaeologists Annual Meeting*. Austin, TX.
- Deppe, Anja M.**, Randriamiarisoa, M., and Wright, P.C. (2007) Mammalian Predator recognition via olfactory cue in wild brown mouse lemurs (*Microcebus rufus*). *American Journal of Physical Anthropology* 44:99.
- Deppe, Anja M.**, and Wright, P.C. (2006) Visual and olfactory snake recognition in wild brown mouse lemurs (*Microcebus rufus*). *Primate Report* 73:12.
- Derby, Abigail M.** (2007) Ecological influences on red howler monkey density: A comparison of two Western Amazonian sites. *American Journal of Physical Anthropology* (S44): 99.
- Schmitt, CA., Di Fiore A., Link A., Matthews LJ., Montague MJ., **Derby, Abigail M.**, Hurst D., Carrillo G., Sendall C, and Fernandez-Duque E. (2007) Comparative ranging behavior of eight species of primates in a western Amazonian rainforest. *American Journal of Physical Anthropology* S44: 208.

- Derby, Abigail M.** (2006) Comparative ecology of red howler monkeys (*Alouatta seniculus*). Invited speaker: *University of Chicago Behavioral Ecology Group* Chicago, IL.
- Derby, Abigail M.** (2006) Investigating primate community biomass in hunted versus non-hunted regions of Yasuní N.P., Eastern Ecuador. *American Journal of Primatology* 68(S1): 88.
- Derby, Abigail M.** (2006) The influence of ecology on red howler monkey density in Yasuní N.P., Ecuador. Invited speaker: *Department of Zoology, University of Hamburg*, Hamburg, Germany.
- Fernandez, David**, Borries, C., and Doran-Sheehy, D. (2007) Female reproductive competition in western gorillas at Mondika Research Center, Central African Republic and Republic of Congo. *76th Annual Meeting of the American Association of Physical Anthropologists*. Philadelphia, PA.
- Hirsch, Ben.** (2006) Social foraging in the ring-tailed coati (*Nasua nasua*); determinants of the finders share. *Meeting of the Animal Behavior Society 2006*. Amherst, MA.
- Hirsch, Ben.** (2006) Social foraging in the ring-tailed coati (*Nasua nasua*); determinants of the finders share. *11<sup>th</sup> International Behavioral Ecology Congress*. Tours, France.
- Hirsch, Ben.** (2006) Spoiled Brats: An extreme form of juvenile dominance in the ring-tailed coati (*Nasua nasua*). *85th Meeting of the American Society of Mammalogists*. Amherst, MA.
- Henecke, Jennifer**, and Demiregi, A. (2007) The Analysis of the Ubaid Animal Bones from Kenan Tepe. *Society of American Archaeologists Annual Meeting*. Austin, TX.
- Borries, C., **Larney, Eileen**, Lu, A., and Koenig, A. (2007) Immigration and emigration off females reflect competition for group membership in Phayre's leaf monkeys. *The International Field Ecology Symposium*. King Mongkut's University, Bangkok, Thailand.
- Borries, C., Shelmidine, N., **Larney, Eileen**, Lu, A., McCann, C., and Koenig, A. (2007) Flexible Asian folivores: Life history in the genus *Trachypithecus*. *American Journal of Physical Anthropology* 54:78-79.
- Koenig, A., **Larney, Eileen**, Lu, A., and Borries, C. (2007) Patterns of female dispersal in an Asian colobine monkey. *American Journal of Physical Anthropology* 54:145.
- Koenig, A., **Larney, Eileen**, Lu, A., and Borries, C. (2006) Female dispersal in Phayre's leaf monkeys: Competition for group membership and optimal groups. *American Journal of Primatology* 68 (S1):145.
- Larney, Eileen**, and Koenig, A. (2007) Speed of infant development in Phayre's leaf monkeys: A mother's influence. *American Journal of Physical Anthropology* 54:150-151.
- Larney, Eileen**, and Koenig, A. (2006) Female rank, physical condition, and infant development: Evidence for contest competition in a female dispersal species. *American Journal of Primatology* 68:83-84.
- Borries, C., Shelmidine, N., Larney, Eileen, **Lu, A.**, McCann, C., and Koenig, A. (2007) Flexible Asian folivores: life history of the genus *Trachypithecus*. *76th Annual Meeting of the American Association of Physical Anthropologists*. Philadelphia, PA.
- Koenig, A., Larney, Eileen, **Lu, A.**, and Borries, C. (2007) Female dispersal in Phayre's leaf monkeys: competition for group membership and optimal groups. *76th Annual Meeting of the American Association of Physical Anthropologists*. Philadelphia, PA.
- Lu, A.**, and Borries, C. (2007) Female dominance relationships in Hanuman langurs - not as predicted by the socioecological model. *76th Annual Meeting of the American Association of Physical Anthropologists*. Philadelphia, PA.
- Martin, Sara**, Randrianarimalalaso, O.V., and Johnson, S.E. (2007) A preliminary analysis of parasite species and density patterns in white-collared lemurs, *Eulemur albocollaris* at Manombo Special Reserve and Mahabo Forest, and red-fronted brown lemurs, *Eulemur fulvus rufus* at Ranomafana National Park, Madagascar. *American Association of Physical Anthropologists Conference*. Philadelphia, PA.

- Merwin, Daria.** (2007) Revealing What Lies Beneath: Public Archaeology and the Hudson River. *Society for American Archaeology 72nd Annual Meeting*. Austin, TX.
- Merwin, Daria,** and Manfra, Allison. (2007) Taming the 19th-Century Long Island Wilderness: Tenant Labor and the W.J. Weeks Site. *Society for Historical Archaeology 40th Annual Conference*. Williamsburg, VA.
- Ossi, Kerry,** Borries, C., and Koenig, A. (2007) Preliminary evidence for ecological risks among juvenile Phayre's leaf monkeys. *International Field Ecology Symposium*. King Mongkut's University of Technology, Thonburi, Thailand.
- Ossi, Kerry,** and Koenig, A. (2007) Nutrient content and food properties. *Primate Ecology and Conservation in Thailand, Training Workshop002E* Phu Khieo Wildlife Sanctuary, Thailand.
- Patel, Biren A.** (2007) Relationship between speed and forelimb kinematics in terrestrial quadrupedal locomotion: Why do primates adopt digitigrade hand postures? *76th Annual Meeting of the American Association of Physical Anthropologists*. Philadelphia, PA.
- Nowak, M.G., **Patel, Biren A.,** and Carlson, K.J. (2007) Analysis of intrinsic joint function in the primate foot by evaluating apparent density in the calcaneus. *76th Annual Meeting of the American Association of Physical Anthropologists*. Philadelphia, PA.
- Patel, Biren A.** (2007) Forelimb kinematics and hand postures in the rhesus monkey (*Macaca mulatta*). "*Annual Meeting of the Society for Integrative and Comparative Biology*. Phoenix, AZ.
- Royer, Danielle F.,** Grine, F.E., Fleagle, J.G, and Jungers, W.L. (2007) The new partial pelvis of Omo 1: Implications for sexing early modern humans. *American Association of Physical Anthropologists*. Philadelphia, PA.
- Wheeler, Brandon C.** (2007) The function of alarm calling among wild tufted capuchin monkeys (*Cebus apella*). *76th Annual Meeting of the American Association of Physical Anthropologists*. Philadelphia, PA.

❖ **Post-Doctorates Obtained and Professional Appointments**

- Hirsch, Ben.** (2006) Resident Professor. *Organization for Tropical Studies*, San Jose, Costa Rica.
- Mayor, Mireya I.** (2007) Lecturer. Anthropology Department, *University of Miami*, Miami, FL.
- Patel, Biren A.** (2007) Adjunct Professor. *Department of Anthropology, Stony Brook University*, Stony Brook, NY.
- Royer, Danielle F.** (2007) Clinical Assistant Professor. College of Health Related Professions, Department of Occupational Therapy, *SUNY Downstate*, Brooklyn, NY.
- Derby, Abigail M.** (2006) Instructor. Department of Anthropology, *Northeastern Illinois University*, Chicago, IL.
- Young, Jesse W.** (2007) Postdoctoral Researcher. Department of Anthropology, *University of Texas*, Austin, TX.

❖ **Internship Appointments**

- Derby, Abigail M.** (2006) Nutritional analysis researcher. Department of Zoology, *University of Hamburg*, Hamburg, Germany.

# APPLIED MATHEMATICS AND STATISTICS

GRADUATE DIRECTOR: XIAOLIN LI  
DEPARTMENT CHAIR: JAMES GLIMM

## ❖ Singly Authored Publications/Research Reports/Reviews

- Ji, Xiaomei.** (2005) Convergence of a Finite Element Method for Scalar Conservation Laws with Boundary Conditions in Two Space Dimensions. *Journal of Computational Analysis and Applications* 2:135-167.
- Packer, Eli.** (2006) Iterated Snap Rounding with Bounded Drift. *Proc. 22nd Annual ACM Symposium on Computational Geometry 2006*:367-376.

## ❖ Jointly Authored Publications/Research Reports/Reviews

- Amit, Yoav,** Mitchell, J.S.B., and Packer, Eli. (2007) Locating Guards for Visibility Coverage of Polygons. *Proc. 9<sup>th</sup> Workshop on Algorithm Engineering and Experiments, (ALENEX'07)*: 120-134 SIAM Proceedings in Applied Mathematics, New Orleans, LA.
- Basu, Amitabh,** Gao, Jie, Mitchell, J.S.B., and Sabhnani, Girishkumar. (2006) Distributed Localization Using Noisy Distance and Angle Information. *Proc. 7th ACM International Symposium on Mobile Ad Hoc Networking and Computing*: 262-273.
- Liu, Xinfeng., George, E., **Bo, Wurigen,** and Glimm, J. (2006) Turbulent Mixing with Physical Mass diffusion. *Phys. Rev. E* : doi:10.1103/PhysRevE.73.056301.
- Yu, Y., Zhao, M., Lee, T., Pestieau, Jean Nicolas, **Bo, Wurigen,** Glimm, J., and Grove, J.W. (2006) Uncertainty quantification for chaotic computational fluid dynamics. *J. Comp. Phys.* 217:200-216.
- Chen, Yongzhi, **Chen, Xin,** and Deng, Y. (2007) Simulating Botulinum Neurotoxin with Constant pH Molecular Dynamics in Generalized Born Implicit Solvent. *Computer Physics Communication* 177(1-2):210-213.
- Chen, Xin,** and Deng, Y. (2007) Long-time molecular dynamics simulations of botulinum biotoxin type-A at different pH values and temperatures. *J. of Molecular Modeling* 13(5):559-572.
- Chen, Yongzhi,** Chen, Xin, and Deng, Y. (2007) Simulating Botulinum Neurotoxin with Constant pH Molecular Dynamics in Generalized Born Implicit Solvent. *Computer Physics Communication* 177(1-2):210-213.
- Du, Jian,** Fix, Brian, Glimm, J., Jia, Xicheng, Li, X., Li, Yuanhua, and Wu, Lingling. (2006) A Simple Package for Front Tracking. *J. Comp. Phys.* 213:613-628.
- Fan-Orzechowski, X.,** and Feinberg, E.A. (2007) Optimality of Randomized Trunk Reservation for a Problem with Multiple Constraints. *Probability in Engineering and Information Sciences* 21:189-200.
- Fang, Bin,** and Deng, Y. (2006) Parallel FFT on QCDOC supercomputer, *SIAM J. Sci. Comp* (accepted).
- Fang, Bin,** Deng, Y., and Martyna, G. (2007) Performance of the 3D FFT on the 6D network torus QCDOC parallel supercomputer. *Computational Physics Communication*: doi:10.1016/j.cpc.2006.12.006.
- Fang, Bin,** Martyna, G., and Deng, Y. (2007) A Fine Grained Parallel Smooth Particle Mesh Ewald for Biophysical Simulation Studies: Applications to the 6D Torus Supercomputer. *Computational*



*Physics Communication* (accepted).

- Batbayar, K., Thompson, R., Ye, K., **Fazzari, Melissa J.**, Suzuki, M., Stasiak, E., Figueroa, M.E., Glass, J., Chen, Q., Montagna, C., Hatchwell, E., Selzer, R.R., Richmond, T.A., Green, R. D., Melnick, A., and Grealley, J. M. (2006) Comparative isoschizomer profiling of cytosine methylation: the HELP assay. *Genome Research* 16(8):1046-55.
- Einstein, M.H., Studentsov, Y.Y., Ho, G.Y., **Fazzari, Melissa J.**, Marks, M., Kadish, A.S., Goldberg, G.L., Runowicz, C.D., and Burk, R.D. (2007) Combined human papillomavirus DNA and human papillomavirus-like particle serologic assay to identify women at risk for high-grade cervical intraepithelial neoplasia. *International Journal of Cancer* 120(1):55-9.
- Ahn, H., Moon, H., **Fazzari, Melissa J.**, Lim, N., Chen, J.J., and Kodell, R.L. (2007) Classification by Ensembles of Random Partitions. *Journal of Computational Statistics and Data Analysis* 51
- Mikkelsen, S.T., Wakefield, M.J., Aken, B., Amemiya, C.T., Chang, J.L., Duke, S., Garber, M., Gentles, A.J., Goodstadt, L., Heger, A., Jurka, J., Kamal, M., Mauceli, E., Searle, S., Sharpe, T., Baker, M.L., Batzer, M.A., Benos, P.V., Belov, K., Clamp, M., Cook, A., Cuff, J., Das, R., Davidow, L., Deakin, J.E., **Fazzari, Melissa J.**, Glass, J.L., Grabherr, M., Grealley, J.M., Gu, W., Hore, T.A., Huttley, G.A., Jirtle, R.L., Koina, E., Lee, J.T., Mahony, S., Marra, M.A., Miller, R.D., Nicholls, R.D., Oda, M., Papenfuss, A.T., Parra, Z.E., Pollock, D.D., Ray, D.A., Schein, J.E., Speed, T.P., Thompson, K., VandeBerg, J. L., Wade, C.M., Walker, J.A., Waters, P.D., Webber, C., Weidman, J.R., Xie, X., Zody, M.C., Broad Institute Genome Sequencing Platform, Broad Institute Whole Genome Assembly Team, Marshall Graves, J.A., Ponting, C. P., Breen, M., Samollow, P. B., Lander, E.S., and Lindblad-Toh, K. (2007) Genome of the marsupial *Monodelphis domestica* reveals innovation in non-coding sequences. *Nature* 447:167-177.
- Massad, L.S., **Fazzari, Melissa J.**, Anastos, K., Klein, R. S., Minkoff, H., Jamieson, D.J., Duerr, A., Celentano, D., Gange, S., Cu-Uvin, S., Young, M., Watts, H.D., Levine, A.M., Schuman, P., Harris, T. G., and Strickler, H. D. (2007) Outcomes after treatment of cervical intraepithelial neoplasia among women with human immunodeficiency virus. *Journal of the Lower Genital Tract Disease* 11(2):90-97.
- Du, Jian, **Fix, Brian**, Glimm, J., Jia, Xicheng, Li, X., Li, Yuanhua, and Wu, Lingling. (2006) A Simple Package for Front Tracking. *J. Comp. Phys.* 213:613-628.
- Glimm, J., **Fix, Brian**, Li, X.-L., Liu, Jing, Liu, Xingtou, Liu, T.-S., Samulyak, R., and Xu, Z.-L. (2007) Front Tracking under {TSTT}. *Proceedings of the IGPP-CalSpace Conference, Astronomical Society of the Pacific* 359:15
- Wang, J., and **Han, Bo**. (2007) Quantifying Robustness and Dissipation Cost of Yeast Cell Cycle Network: The Funneled Energy Landscape Perspectives. *Biophys. J.* 92:3755-3763.
- Han, G.**, Deng, Y., Glimm, J., and Martyna, G. (2006) Error and timing analysis of symplectic multiple timestep integration methods for molecular dynamics. *Journal of Computational Physics* (under review).
- Jaeger, Johannes**, and Reinitz, J. (2006) On the dynamic nature of positional information. *BioEssays* 28:1102-1111.
- Jaeger, Johannes**, Sharp, D.H., and Reinitz, J. (2007) Known maternal gradients are not sufficient for the establishment of gap domains in *Drosophila melanogaster*. *Mechanisms of Development* 124:108-128.
- Janssens, H., Hou, S., **Jaeger, Johannes**, Kim, A., Myasnikova, E., Sharp, D., and Reinitz, J. (2006) Quantitative and predictive model of transcriptional control of the *Drosophila melanogaster* even-skipped gene. *Nature Genetics* 38:1159-65.
- Wang, X., Zhu, W., Pradhan, Kith, **Ji, Chen**, Ma, Yeming, Semmes, O.J., Glimm, J., and Mitchell, J. (2006) Feature Extraction in the Analysis of Proteomic Mass Spectra. *Proteomics* 6(7):2095-2100.

- Ji, Xicheng**, Wang, S., and Wang, K. (2007) A Note on the Convergence of a Finite Element Method for Linear Scalar Conservation Laws with Boundary Conditions in one-dimensional Space (Chinese version). *Journal of Beijing University of Technology* 4:428-432.
- Ji, Xiaomei**, Huang, Z., and Qi, K. (2006) An Explicit Finite Element Method for System of Conservation Laws and Its Applications (Chinese version). *Journal of Beijing University of Technology* 11:1047-1051.
- Du, Jian, Fix, Brian, Glimm, J., **Jia, Xicheng**, Li, X., Li, Yuanhua, and Wu, Lingling. (2006) A Simple Package for Front Tracking. *J. Comp. Phys.* 213:613-628.
- Kim, Wonkuk**, Ahn, H., and Moon, H. (2007) A dose-response test via closed-form solutions for constrained MLEs in survival/sacrifice experiments. *Statistics in Medicine* 26:694-708
- Krozel, J., **Lee, Changkil**, and Mitchell, J.S.B. (2006) Turn-Constrained Route Planning for Avoiding Hazardous Weather. *Air Traffic Control Quarterly* 14(2):159-182.
- Du, Jian, Fix, Brian, Glimm, J., Jia, Xicheng, Li, X., **Li, Yuanhua**, and Wu, Lingling. (2006) A Simple Package for Front Tracking. *J. Comp. Phys.* 213:613-628.
- Liu, Jinjie, **Lim, Hyun-kyung**, Glimm, J., and Li, X. (2007) A Conservative Front Tracking Method in N-Dimensions. *J. of Sci.Comp* 31(1-2): 213 – 236.
- Glimm, J., Fix, Brian, Li, X.-L., **Liu, Jing**, Liu, Xingtou, Liu, T.-S., Samulyak, R., and Xu, Z.-L. (2007) Front Tracking under {TSTT}. *Proceedings of the IGPP-CalSpace Conference, Astronomical Society of the Pacific* 359:15
- Liu, Jinjie**, Lim, Hyun-kyung, Glimm, J., and Li, X. (2007) A Conservative Front Tracking Method in N-Dimensions. *J. of Sci.Comp* 31(1-2): 213 – 236.
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- Glimm, J., Fix, Brian, Li, X.-L., Liu, Jing, **Liu, Xingtou**, Liu, T.-S., Samulyak, R., and Xu, Z.-L. (2007) Front Tracking under {TSTT}. *Proceedings of the IGPP-CalSpace Conference, Astronomical Society of the Pacific* 359:15
- Volkow, N. D., Wang, G. J., Newcorn, J., Fowler, J. S., Telang, F., Solanto, M. V., Logan, J., Wong, C., **Ma, Yeming**, Swanson, J. M., Schulz, K., and Pradhan, Kith (2007) Brain dopamine transporter levels in treatment and drug naive adults with ADHD. *Neuroimage* 34(3):1182-90.
- Wang, G.J., Yang, J., Volkow, N.D., Telang, F., **Ma, Yeming**, Zhu, W., Wong, C.T., Tomasi, D., Thanos, P.K., and Fowler, J.S. (2006) Gastric stimulation in obese subjects activates the hippocampus and other regions involved in brain reward circuitry. *Proc Natl Acad Sci USA* 103(42):15641-5.
- Wang, X., Zhu, W., Pradhan, Kith, Ji, Chen, **Ma, Yeming**, Semmes, O.J., Glimm, J., and Mitchell, J. (2006) Feature Extraction in the Analysis of Proteomic Mass Spectra. *Proteomics* 6(7):2095-2100.
- Volkow, N.D., Wang, G.J., Begleiter, H., Porjesz, B., Fowler, J.S., Telang, F., Wong, C., **Ma, Yeming**, Logan, J., Goldstein, R., Alexoff, D., and Thanos, P.K. (2006) High levels of dopamine D2 receptors in unaffected members of alcoholic families: possible protective factors. *Arch Gen Psychiatry* 63(9):999-1008.
- Volkow, N.D., Wang, G.J., Telang, F., Fowler, J.S., Logan, J., Childress, A.R., Jayne, M., **Ma, Yeming**, and Wong, C. (2006) Cocaine cues and dopamine in dorsal striatum: mechanism of craving in cocaine addiction. *J Neurosci* 26(24):6583-8. Erratum in: *J Neurosci* 26(27).
- Volkow, N.D., Wang, G.J., **Ma, Yeming**, Fowler, J.S., Wong, C., Jayne, M., Telang, F., and Swanson, J.M. (2006) Effects of expectation on the brain metabolic responses to methylphenidate and to its placebo in non-drug abusing subjects. *Neuroimage* 32(4):1782-92.
- Amit, Yoav, Mitchell, J.S.B., and **Packer, Eli**. (2007) Locating Guards for Visibility Coverage of Polygons. *Proc. 9<sup>th</sup> Workshop on Algorithm Engineering and Experiments, (ALENEX'07)*: 120-

134 SIAM Proceedings in Applied Mathematics, New Orleans, LA.

- Yu, Y., Zhao, M., Lee, T., **Pestieau, Jean Nicolas**, Bo, W., Glimm, J., and Grove, J.W. (2006) Uncertainty quantification for chaotic computational fluid dynamics. *J. Comp. Phys.* 217:200-216.
- Polishchuk, Valentin**, Arkin, E.M., and Mitchell, J.S.B. (2006) Hamiltonian Cycles in Triangular Grids. *Proceedings of the 18th Canadian Conference on Computational Geometry (CCCG'06)*: 63-66.
- Volkow, N. D., Wang, G. J., Newcorn, J., Fowler, J. S., Telang, F., Solanto, M. V., Logan, J., Wong, C., Ma, Yeming, Swanson, J. M., Schulz, K., and **Pradhan, Kith**. (2007) Brain dopamine transporter levels in treatment and drug naive adults with ADHD. *Neuroimage* 34(3):1182-90.
- Wang, X., Zhu, W., **Pradhan, Kith**, Ji, Chen, Ma, Yeming, Semmes, O.J., Glimm, J., and Mitchell, J. (2006) Feature Extraction in the Analysis of Proteomic Mass Spectra. *Proteomics* 6(7):2095-2100.
- Krozal, J., Penny, S., **Prete, Joseph**, and Mitchell, J.S.B. (2006) Automated Route Generation for Avoiding Deterministic Weather in Transition Airspace. *Journal of Guidance, Control, and Dynamics* 30(1):144-153.
- Basu, Amitabh., Gao, Jie, Mitchell, J.S.B., and **Sabhnani, Girishkumar**. (2006) Distributed Localization Using Noisy Distance and Angle Information. *Proc. 7th ACM International Symposium on Mobile Ad Hoc Networking and Computing*: 262-273.
- Gao, Jie, Mitchell, J.S.B., and **Wang, Yue**. (2006) Boundary Recognition in Sensor Networks By Topological Methods. *Proc. 12th Annual ACM Conference on Mobile Computing and Networking (MobiCom 2006)*:122-133.
- Du, Jian, Fix, Brian, Glimm, J., Jia, Xicheng, Li, X., Li, Yuanhua, and **Wu, Lingling**. (2006) A Simple Package for Front Tracking. *J. Comp. Phys.* 213:613-628.
- Baek, I., Zhu, W., **Wu, X.**, and Wong, W.K. (2006) Bayesian Optimal Designs for a Quantal Dose Response Study with Potentially Missing Observations. *Journal of Biopharmaceutical Statistics* 16:679-693.
- Yu, Y., **Zhao, M.**, Lee, T., Pestieau, Jean Nicolas, Bo, W., Glimm, J., and Grove, J.W. (2006) Uncertainty quantification for chaotic computational fluid dynamics. *J. Comp. Phys.* 217:200-216.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Yang, Y., Tashman, Adam, Lee, J.Y., Yoon, S., Mao, W., **Ahn, K.**, Kim, W., Mendell, N. R., Gordon, D., and Finch, S. J. (2007) Mixture Modeling of Microarray Gene Expression Data. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Baez-Revueltas, F.B.**, and Zhu, W. (2007) Resampling Studies of Paired Samples and Independent Samples Analyses. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Fix, Brian, **Bo, Wurigen**, Glimm, J., Li, X., and Xu, Z. (2007) On Interoperability Between FronTier and Other Scientific Application Software. *SIAM CSE Conference*. Costa Mesa, CA.
- Brady, Christine**. (2007) Taking Into Account Heterogeneity in Clinical Trials. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Chang, Su-wei**, Carlson, G., and Finch, S.J. (2007) Psychotic Periods of SCMHP Bipolar and MDD Subjects. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Choi, Wongchang**. (2007) Statistical Methods for CNV Analysis. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Chu, Adrienne**, Ahn, H., and Kumar, A. (2007) Machine learning facilitates rapid identification of cohort with severe gastrointestinal bleeding for urgent resuscitation and endoscopy. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.

- Du, Jian**, Samulyak, R., Glimm, J., and Xu, Z. (2007) A Numerical Algorithm for MHD of Free Surface Flows at Low Magnetic Reynolds Numbers (Poster). *SIAM CSE 07*. Costa Mesa, CA.
- Feinberg, E.A., and **Fan-Orzechowski, X.** (2006) Optimality of Randomized Trunk Reservation for Multiple-Constraint Problems. *The 2006 NSF Design, Service, and Manufacturing Grantees and Research Conference*. St. Louis, MO.
- Ahn, H., Moon, H., **Fazzari, Melissa J.**, Lim, N., Chen, J. J., and Kodell, R. L. (2006) Classification by Ensembles of Random Partitions. *Proceedings of the US-Korea Conference on Science, Technology, and Entrepreneurship, Korean-American Scientists and Engineers Association*. Teaneck, NJ.
- Fazzari, Melissa J.**, Ahn, H., and Zhu, W. (2007) Classifier Combination: Local and Global Weighting Strategies. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Fix, Brian**, Bo, Wurigen, Glimm, J., Li, X., and Xu, Z. (2007) On Interoperability Between FronTier and Other Scientific Application Software. *SIAM CSE Conference*. Costa Mesa, CA.
- Li, X., **Fix, Brian**, Glimm, J., Liu, Jinjie, and Lim, Hyun-kyung. (2006) Conservative Front Tracking and Its Applications. *7<sup>th</sup> World Congress of Computational Mechanics*. Los Angeles, CA.
- Li, X., **Fix, Brian**, Glimm, J., Liu, Jinjie, and Xu, Z. (2006) Toward an Adaptive, Conservative Front Tracking with Easy User Interface. *Conference on PDE and Numerical Analysis*. Changsha, China.
- Huang, Zhuying**, and Mendell, N.R. (2007) The Power of Linkage Analysis of a Quantitative Disease Endophenotype. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Ji, Chen**, Ma, Yeming, Wang, X., Arkin, E., Mitchell, J., Glimm, J., and Zhu, W. (2006) A Novel Approach for Proteomic Biomarker Identification Using Mass Spectrometry. *JSM*. Seattle, WA.
- Kim, Wonkuk**, Xuereb, L., Lee, J.Y., St. Fleur, Rose, and Finch, S.J. (2007) Independent component analysis in presence of errors. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Yang, Y., Tashman, Adam, Lee, J.Y., Yoon, S., Mao, W., Ahn, K., **Kim, Wonkuk**, Mendell, N. R., Gordon, D., and Finch, S. J. (2007) Mixture Modeling of Microarray Gene Expression Data. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Lee, Hyunsun.** (2007) Compressible Multi Species and Multi Phase Flows. *Computational Science and Engineering (CSE) conference*. Costa Mesa, CA.
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- Yang, Y., Tashman, Adam, **Lee, J.Y.**, Yoon, S., Mao, W., Ahn, K., Kim, W., Mendell, N. R., Gordon, D., and Finch, S. J. (2007) Mixture Modeling of Microarray Gene Expression Data. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Li, X., Fix, Brian, Glimm, J., Liu, Jinjie, and **Lim, Hyun-kyung.** (2006) Conservative Front Tracking and Its Applications. *7<sup>th</sup> World Congress of Computational Mechanics*. Los Angeles, CA.
- Li, X., Fix, Brian, Glimm, J., **Liu, Jinjie**, and Lim, Hyun-kyung. (2006) Conservative Front Tracking and Its Applications. *7<sup>th</sup> World Congress of Computational Mechanics*. Los Angeles, CA.
- Li, X., Fix, Brian, Glimm, J., **Liu, Jinjie**, and Xu, Z. (2006) Toward an Adaptive, Conservative Front Tracking with Easy User Interface. *Conference on PDE and Numerical Analysis*. Changsha, China.
- Alia-Klein, N., Kriplani, A., Logan, J., Telang, F., Wang, G.J., Craig, I., Williams, B., Tomasi, D.,

- Goldstein, R.Z., **Ma, Yeming**, Volkow, N.D., and Fowler, J. (2006) Diverse Associations between MAO A Genotype on Anterior Cingulate Metabolic, MAO A Levels and Cognitive Control. *Nuclear Medicine* 47(S1):311-311.
- Ji, Chen, **Ma, Yeming**, Wang, X., Arkin, E., Mitchell, J., Glimm, J., and Zhu, W. (2006) A Novel Approach for Proteomic Biomarker Identification Using Mass Spectrometry. *JSM*. Seattle, WA.
- Ma, Yeming**, Zhu, W., Pradhan, Kith, and Mendell, N. (2007) A Paradox in Probability from Dr. Sheldon Ross. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Ma, Yeming**, Volkow, N.D., Pradhan, Kith, Wang, G.J., Telang, F., Fowler, J., and Zhu, W. (2006) Methylphenidate and Placebo May Both Improve Coherence of Brain Glucose Metabolism in Cocaine Abusers. *Nuclear Medicine* 47(S1):143-143.
- Ma, Yeming**, Volkow, N. D., Pradhan, Kith, Wang, G.J., Telang, F., Fowler, J., and Zhu, W. (2006) Methylphenidate and Placebo May Both Improve Coherence of Brain Glucose Metabolism in Cocaine Abusers. *Nuclear Medicine* 47(S1):143-143.
- Xie, J., Wang, G.J., Jadvar, H., Yow, L., Vaska, P., **Ma, Yeming**, Fowler, J.S., and Humayun, M. (2007) PET Study of Retinal Stimulation. *ARVO Annual Meeting*. Fort Lauderdale, FL.
- Wang, G.J., Young, J., Volkow, N.D., Telang, F., **Ma, Yeming**, Yayne, M., Zhu, W., and Fowler, J. (2006) Brain Satiety Circuit Activated by Gastric Stimulation. *Nuclear Medicine* 47(S1):14-14.
- Wang, G.J., Alia-Klein, N., Volkow, N.D., Telang, F., **Ma, Yeming**, Zhu, W., Tomasi, D., Williams, B., Craig, I., and Fowler, J. (2006) Brain Metabolic Response to Emotionally Charged Videos is Associated with Monoamine Oxidase (MAO)A Genotype. *Nuclear Medicine* 47(S1):275-276.
- Surkova, S., **Manu, Manu**, Samsonova M., and Reinitz, J. (2007) Variation And Canalization Of Gene Expression In The *Drosophila* Blastoderm. *Computational Cell Biology 2007 Conference*. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY. (Refereed Talk)
- Yang, Y., Tashman, Adam, Lee, J.Y., Yoon, S., **Mao, W.**, Ahn, K., Kim, W., Mendell, N. R., Gordon, D., and Finch, S. J. (2007) Mixture Modeling of Microarray Gene Expression Data. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Mukherjee, Sudipto**, and Rizzo, R.C. (2006) Implementing and evaluating scoring functions for estimating ligand-receptor binding affinity. *Seawulf Cluster Inauguration*. Stony Brook, NY. (Poster)
- Mukherjee, Sudipto**, Rizzo, R.C. (2006) Augmented Scoring Functions for DOCK. *Iwao Ojima Symposium*. Stony Brook, NY. (Poster)
- Mukherjee, Sudipto**, and Rizzo, R.C. (2006) Poster. Augmented Scoring Functions for DOCK. *New York Structural Biology Discussion Group Summer Meeting*. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.
- Packer, Eli**. (2006) Controlled Perturbation of Arrangements of Line Segments in 2D. *16th Fall Workshop on Computational and Combinatorial Geometry*. Smith College, Northampton, MA.
- Krozel, J., Mitchell, J.S.B., **Polishchuk, Valentin**, and Prete, J. (2007) Airspace Capacity Estimation with Convective Weather Constraints. *AIAA Guidance, Navigation, and Control Conference*. Hilton Head, SC.
- Polishchuk, Valentin**, Arkin, E.M., Aronov, B., Barnard, K., Coogan, K., Efrat, A., and Mitchell, J.S.B. (2007) On Matching Robustness and Geometric Stable Marriage. *Kyoto International Conference on Computational Geometry and Graph Theory (KyotoCGGT)*. Kyoto, Japan.
- Mitchell, J.S.B., and **Polishchuk, Valentin**. (2007) Thick Non-Crossing Paths and Minimum-Cost Flows in Polygonal Domains. *23rd Annual ACM Symposium on Computational Geometry (SoCG)*. Gyeongju, South-Korea.

- Arkin, E.M., Efrat, A., Erten, C., Hurtado, F., Mitchell, J.S.B., **Polishchuk, Valentin**, and Wenk, C. (2006) Shortest Tour of a Sequence of Disjoint Segments in L1. *Fall Workshop on Computational Geometry*. Smith College, Northhampton, MA.
- Mitchell, J.S.B., and **Polishchuk, Valentin**. (2006) Minimum-Perimeter Enclosing k-gon. *Fall Workshop on Computational Geometry*. Smith College, Northhampton, MA.
- Arkin, E.M., Bender, M.A., Mitchell, J.S.B., and **Polishchuk, Valentin**. (2006) The Snowblower Problem. *7th International Workshop on the Algorithmic Foundations of Robotics*. New York, NY.
- Ma, Yeming, Zhu, W., **Pradhan, Kith**, and Mendell, N. (2007) A Paradox in Probability from Dr. Sheldon Ross. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Ma, Yeming, Volkow, N.D., **Pradhan, Kith**, Wang, G.J., Telang, F., Fowler, J., and Zhu, W. (2006) Methylphenidate and Placebo May Both Improve Coherence of Brain Glucose Metabolism in Cocaine Abusers. *Nuclear Medicine* 47(S1):143-143.
- Ma, Yeming, Volkow, N. D., **Pradhan, Kith**, Wang, G.J., Telang, F., Fowler, J., and Zhu, W. (2006) Methylphenidate and Placebo May Both Improve Coherence of Brain Glucose Metabolism in Cocaine Abusers. *Nuclear Medicine* 47(S1):143-143.
- Shin, So Youn**, and Mendell, N. (2007) Linkage Analysis of a Quantitative Trait: A Proposed Method for Selected Samples. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Kim, Wonkuk, Xuereb, L., Lee, J.Y., **St. Fleur, Rose**, and Finch, S.J. (2007) Independent component analysis in presence of errors. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Yang, Y., **Tashman, Adam**, Lee, J.Y., Yoon, S., Mao, W., Ahn, K., Kim, W., Mendell, N. R., Gordon, D., and Finch, S. J. (2007) Mixture Modeling of Microarray Gene Expression Data. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Yang, Z., **Tashman, Adam**, Finch, S.J., and Mendell, N.R. (2007) Restricted Linear Mixture Regression Models and their Application Studies. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Carlson, G., Bromet, E., and **Tung, Lin**. (2007) Impact of the Chornobyl disaster on adolescent internalizing symptoms. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Schwartz, J., and **Tung, Lin**. (2007) To control or not to control for baseline differences in one's outcome measure: ANCOVA, Lord's paradox (revisited yet again), and structural equation models. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Wu, Lingling**, and Li, X. (2007) A Numerical Study of Shock-Bubble Interaction. *APS March Meeting*. Denver, CO.
- Li, X., Gamezo, V., Oran, E., Staples, A., and **Wu, Lingling** (2006) Numerical Study of Multiple Shock-Bubble Interactions. *59<sup>th</sup> Annual Meeting of the APS Division of Fluid Dynamics*. Tampa Bay, FL.
- Li, X., and **Wu, Lingling** (2007) Front Tracking Simulation of Shock-Bubble Interaction, *SIAM CSE Conference*. Costa Mesa, CA.
- Yang, Y.**, Tashman, Adam, Lee, J.Y., Yoon, S., Mao, W., Ahn, K., Kim, W., Mendell, N. R., Gordon, D., and Finch, S. J. (2007) Mixture Modeling of Microarray Gene Expression Data. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Yang, Z.**, Tashman, Adam, Finch, S.J., and Mendell, N.R. (2007) Restricted Linear Mixture Regression Models and their Application Studies. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.
- Yang, Y., Tashman, Adam, Lee, J.Y., **Yoon, S.**, Mao, W., Ahn, K., Kim, W., Mendell, N. R., Gordon, D., and Finch, S. J. (2007) Mixture Modeling of Microarray Gene Expression Data. *The Eleventh Laurence Baxter Memorial Symposium*. Stony Brook, NY.

❖ **Postdoctorates Obtained and Professional Appointments**

**Braunstein, Janet.** (2007) Assistant Professor. Department of Mathematics, *United States Military Academy*, West Point, NY.

**Du, Jian.** (2007) Postdoctoral Research Associate. Department of Mathematics, *University of Utah*, Salt Lake City, UT.

**Kang, Yeona.** (2006) Postdoctoral Research Associate. Department of Applied Mathematics and Statistics, *Stony Brook University*, Stony Brook, NY.

**Kim, Wonkuk.** (2006) Assistant Professor. Mathematics Department, *University of Arkansas*, Fayetteville, AR.

**Liu, Jinjie.** (2006) Visiting Assistant Professor. Department of Mathematics, *Arizona State University*, Tempe, AZ.

**Pestieau, Jean Nicolas.** (2007) Assistant Professor. Department of Mathematics, *Suffolk County Community College*, Selden, NY.

# ART

GRADUATE DIRECTOR: MICHELE BOGART  
DEPARTMENT CHAIR: MEL PEKARSKY

## ❖ Grants, Fellowships, and Awards

- Frabetti, Alton.** (2007) *Dialogues Across Differences for Art Healing Space IV: Reinterpretations*, \$750. Stony Brook University, Stony Brook, NY.
- Frabetti, Alton.** (2007) *Annual Provost Office Incentive Prize*, \$500. Provost Office, Stony Brook University, Stony Brook, NY.
- Frabetti, Alton.** (2007) Best in Show Award, Best of SUNY Student Art Exhibition. *New York State Museum*, Albany, NY.
- Ide, Takafumi.** (2006) Maurice M. Goldberger & Mariam H. Goldberger Fine Arts Scholarship, \$3,500. *SUNY Stony Brook University*, Stony Brook, NY.
- La Tocha, Athena.** (2007) Honorable Mention, Best of SUNY Student Art Exhibition. *New York State Museum*, Albany, NY.
- Peña, Verónica.** (2006) VSC Grant, \$3,600. *Vermont Studio Center*, Johnson, VT.
- Salcedo-Watson, Lorena.** (2007) Provost's Art Incentive Award, \$500. *Stony Brook University*, Stony Brook, NY.
- Van Scoy, Susan.** (2006-2007) Maurice M. Goldberger and Miriam H. Goldberger Fine Arts Scholarship, \$3,500. *The Department of Art, Stony Brook University*, Stony Brook, New York.

## ❖ Singly Authored Publications/Research Reports/Reviews

- English, Travis.** (2007) Hans Haacke, or the Museum as Degenerate Utopia. *Kritikos: An International and Interdisciplinary Journal of Postmodern Cultural Sound, Text, and Image* 4(3): <http://intertheory.org/english.htm>.
- Modigliani, Leah.** (in press) Louis Vuitton and the Luxury Market after the End of Art. *Art Criticism* 21.

## ❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

- Frabetti, Alton,** and Antonenko, Andrei. (2007) GSO Survey and Virtual Forum. *National Association of Graduate-Professional Students Northeast Regional Conference*. Massachusetts Institute of Technology, Cambridge, MA.
- Frabetti, Alton.** (2007) Centripetal Sculpture and Symbols of Characterological Projection. *Graduate Art Department Colloquium*, Stony Brook University, NY.
- Modigliani, Leah,** DiPaola, Anthony, Gallo, Ricardo, and Macchiavello, Carla. (2007) New Constructions of Disintegration: Art in the New Globalism. *International Association of Philosophy and Literature annual conference*. University of Cyprus, Nicosia, Cyprus.



## ❖ Exhibition/Performances

- Frabetti, Alton.** (solo) Corrosion. *MFA Library Gallery*, Stony Brook, NY, 2006.
- Frabetti, Alton.** (group) Best of SUNY Student Art Exhibition. *New York State Museum*, Albany, NY, 2007.
- Frabetti, Alton.** (group) College Art Association MFA Exhibition. *Hunter College/Times Square Gallery*, New York, NY, 2007.
- Frabetti, Alton.** (group) Art Healing Space IV: Reinterpretations. *Charles B. Wang Center*, Stony Brook, NY, 2007.
- Frabetti, Alton.** (group) 8. *University Art Gallery, Staller Center for the Arts*, Stony Brook, NY, 2007.
- Frabetti, Alton.** (group) Unbound. *Stony Brook University*, Stony Brook, NY, 2007.
- Frabetti, Alton.** (group) Winter works IV. *Gallery 4222*, Port Jefferson, NY, 2006.
- Frabetti, Alton.** (group) SUNY Student Art Exhibition Series. *University Art Museum*, Albany, NY, 2006.
- Frabetti, Alton.** (group) The Third Annual Marge Brown Kalodner Graduate Student Exhibition. *The Clay Studio*, Philadelphia, PA, 2006.
- Frabetti, Alton.** (group) Karlheinz Stockhausen's *Musik Im Bausch* (constructed sculpture). *Stony Brook University*, Stony Brook, NY, 2006 and *Arnold Bernhard Center, University of Bridgeport*, Bridgeport, CT, 2007.
- Frabetti, Alton.** (group) Turner Dance's Latent Image (featured sculpture/props). *Danspace Project*, New York, NY, 2006.
- Ide, Takafumi.** (solo) *Propagate*. *Melville Library Gallery*, Stony Brook, NY, 2006.
- Ide, Takafumi.** (group) *Propagate #1~3*. *SUNY Student Fall Exhibit, SUNY Plaza*, Albany, NY, 2006.
- Ide, Takafumi.** (group) art work title: *One of Many*. *New York Area MFA Exhibition, Hunter College Times Square Gallery*, New York, NY, 2007.
- Ide, Takafumi.** (group) art work title: *crossroads* and the exhibition title: *MFA Thesis Group Exhibition*, *University Art Gallery*, Stony Brook, NY, 2007.
- La Tocha, Athena.** (group) Best of SUNY Student Art Exhibition. *New York State Museum*, Albany, NY, 2007.
- Marinelli, Amy.** (solo) in The Burren. *Waters Crest*, Cutchogue, NY, 2007.
- Marinelli, Amy.** (solo) here: recent drawings. *Melville Library Gallery*, Stony Brook, NY, 2007.
- Marinelli, Amy.** (group) Links. *Roanoke Vineyards*, Riverhead, NY, 2007.
- Marinelli, Amy.** (group) CAA New York Area MFA Exhibition. *Hunter College / Times Square Gallery*, New York, NY, 2007.
- Peña, Verónica.** (group) Cento Anni di Lavoro (One Hundred Years of Work). *S.P.I.-C.G.I.L.*, Torino, Italy, 2006.
- Peña, Verónica.** (solo) Painting in Volume. *Red Mill Gallery, Vermont Studio Center*, Johnson, VT, 2006.
- Peña, Verónica.** (solo) Verónica y el Hombre Payaso (Veronica and the Clown Man). *Ibercaja Foundation*, Zaragoza, Spain, 2006.
- Peña, Verónica.** (group) College Art Association New York Area MFA Exhibition. *Hunter College/Times Square Gallery*, New York, NY, 2007.
- Peña, Verónica.** (group) Play It As It Lays. *Melville Gallery*, Stony Brook, NY, 2007.
- Peña, Verónica.** (group) Healing Time (Opening performance), Art Healing Space IV: Reinterpretations. *The Charles B. Wang Center*, Stony Brook, NY, 2007.

- Peña, Verónica.** (group) Unbound. *Stony Brook University*, Stony Brook, NY, 2007.
- Peña, Verónica.** (group) FRESH. *East West*, Ronkonkoma, NY, 2007.
- Peña, Verónica.** (group) Contra la Intolerancia (Against Intolerance). *Salás de Pallars*, Cataluña, Spain, 2007.
- Peña, Verónica.** (group) Metavision. *Folon Museum*, Brussels, Belgium, 2007.
- Peña, Verónica.** (group) Smocks, Layers, and Liers. *Melville Gallery*, Stony Brook University, Stony Brook, NY, 2007.
- Salcedo-Watson, Lorena.** (solo) Morphologies. *Melville Library Gallery*, Stony Brook University, NY, 2007.
- Salcedo-Watson, Lorena.** (group) College Art Association (CAA) New York Area MFA Exhibition. *Hunter College/Times Square Gallery*, New York, NY. 2007.
- Salcedo-Watson, Lorena.** (group) Possett, MFA First Year Exhibition (with Kraeva, Y., Lee, H., Marinelli, A.). *Melville Library Gallery*, Stony Brook University, NY. 2006.

❖ **Post-Doctorates Obtained and Professional Appointments**

- Ide, Takafumi.** (2007) Artist-in-residence. Sculpture Space Residency Program 2007-2008, *Sculpture Space*, Utica, NY.
- Modigliani, Leah.** (2007) Visiting Faculty. Continuing Education / Sculpture Dept., *School of The Museum of Fine Arts*, Boston, MA.
- Van Scoy, Susan.** (2006) Werner and Maren Otto Intern. *Parrish Museum*, Southampton, NY.

❖ **Curatorial Appointments**

- Frabetti, Alton,** and Pearson, James. (2007) Unbound. *University Campus*, Stony Brook University, NY.
- Frabetti, Alton,** and Mukhi, Sunita S. (2007) Art Healing Space IV: Reinterpretations. *Charles B. Wang Center*, Stony Brook University, NY.

❖ **Other**

- Marinelli, Amy.** (2006) detail of *under the deck II*. Cover art for *Short Houses with Wide Porches*, a collection of poems by Christopher Watkins. Orlando, Florida: Kerouac Project Press.
- Peña, Verónica.** (2006) Estéticamente Correcto (Aesthetically Correct). Back cover art for Ana Castellanos, *Ventana de La Rioja 225*. Logroño, Spain: La Rioja Publicaciones Inmobiliarias.

# BIOCHEMISTRY AND STRUCTURAL BIOLOGY

GRADUATE DIRECTOR: ERWIN LONDON  
DEPARTMENT CHAIR: WILLIAM LENNARZ

## ❖ Grants, Fellowships, and Awards

**Wickstrom, Lauren.** (2007) Chemical Computing Group Excellence Award, \$1150. *American Chemical Society: Computers in Chemistry Division*, Washington, DC.

## ❖ Jointly Authored Publications/Research Reports/Reviews

Hoos, M.D., **Ahmed, M.**, Smith, S.O., and Van Nostrand, W.E. (2007) Inhibition of familial cerebral amyloid angiopathy mutant amyloid beta-protein fibril assembly by myelin basic protein. *Journal of Biological Chemistry* 282(13):9952-61.

Niranjanakumari, N., Day-Storms, J.J., **Ahmed, M.**, Hsieh, J., Zahler, N.H., Venters, R.A., and Fierke, C.A. (2007) Probing the architecture of the b. subtilis RNase P holoenzyme active site by crosslinking and affinity cleavage. *RNA* 13(4):521-35.

**Baessler, K.A.**, Lee, Y., Roberts, K.S., Facompre, N., and Sampson, N.S. (2006) Multivalent Fertilin $\beta$  Oligopeptides: The Dependence of Fertilization Inhibition on Length and Density. *Chemistry and Biology* 13(3):251-259.

Johansson, B.E., and **Brett, I.C.** (2007) Changing perspective on immunization against influenza. *Vaccine* 25(16):3062-5.

Johansson, B.E., and **Brett, I.C.** (2006) An inactivated subvirion influenza A (H5N1) vaccine. *New England Journal of Medicine* 354(25):2724-5.

Fujita, K., **Krishnakumar, S.S.**, Franco, D., Paul, A.V., London, E., and Wimmer, E. (2007) Membrane Topography of the Hydrophobic Anchor Sequence of Poliovirus 3A and 3AB Proteins and the Functional Effect of 3A/3AB Membrane Association upon RNA Replication. *Biochemistry* 46(17):5185 -5199.

Stoner-Ma, D., **Melief, Edward H.**, Nappa, J., Ronayne, K.L., Tonge, P.J., and Meech, S.R. (2006) Proton relay reaction in green fluorescent protein (GFP): Polarization-resolved ultrafast vibrational spectroscopy of isotopically edited GFP. *J. Phys. Chem. B* 110(43):22009 -22018.

**Tian, Geng**, Xiang, S., Noiva, R., Lennarz, W.J., and Schindelin, H. (2006) The crystal structure of yeast protein disulfide isomerase suggests cooperativity between Its active sites. *Cell*. 124(1):61-73.

**Wang, Xiaoling**, Lee, C., Gilmour, D.S., and Gergen, J.P. (2007) Transcription elongation controls cell fate specification in the Drosophila embryo. *Genes & Development* 21:1031-1036.

Roe, Daniel, Okur, Asim, **Wickstrom, Lauren**, Hornak, V., and Simmerling C. (2007) Secondary Structure Bias in Generalized Born Solvent Models: Comparison of Conformational Ensembles and Free Energy of Solvent Polarization from Explicit and Implicit Solvation. *J. Phys. Chem. B* 111: 1846-1857.

**Wickstrom, Lauren**, Bi, Y., Hornak, V., Raleigh, D., and Simmerling, C. (2007) Reconciling the Solution and X-ray Structures of the Villin Headpiece Helical Subdomain: Molecular Dynamics Simulations and Double Mutant Cycles Reveal a Stabilizing Cation-Pi Interaction. *Biochemistry* 46:3624-3634.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

**Ahmed, M.**, Sato, T., Kienlen-Campard, P., Liu, W., Li, H., Elliott, J.I., Aimoto, S., Constantinescu, S.N., Octave, J.N., and Smith, S.O. (2006) Inhibitors of amyloid toxicity based on beta-sheet packing of Abeta40 and Abeta42. *FASEB Summer Research Conference on Molecular Biophysics of Cellular Membranes*. Saxtons River, VT.

Johansson, B.E., and **Brett, I.C.** (2006) Changing perspective on immunization against influenza. *5<sup>th</sup> Biennial International World Congress on Vaccines, Immunisation and Immunotherapy*. Montreal, Canada.

**Krishnakumar, S.S.**, and London, E. (2007) Shifts in Transmembrane Helix Position – Polar Residue Control of Transmembrane Helix Boundaries. *51<sup>st</sup> Annual Biophysical Society Meeting*. Batlimore, MD.

**Melief, Edward H.**, Kim, T.S., and Tonge, P.J. (2007) N/C Terminal Relocation, Truncation, and Native Chemical Ligation; Accessing the Chromophore of Green Fluorescent Protein. *American Chemical Society National Meeting; Division of Biological Chemistry*. Boston, MA.

❖ **Post-Doctorates Obtained and Professional Appointments**

**Tian, Geng.** (2006) Postdoctoral Associate. Department of Biochemistry and Cell Biology, *Stony Brook University*, Stony Brook, NY.

# BIOMEDICAL ENGINEERING

GRADUATE DIRECTOR: MICHAEL HADJIARGYROU  
DEPARTMENT CHAIR: CLINTON RUBIN

## ❖ Grants, Fellowships, and Awards

- Bien, Harold.** (2007) President's Award to Distinguished Doctoral Students, \$500. *Stony Brook University*, Stony Brook, NY.
- Holguin, Nilsson.** (2007) Harriett G. Jenkins Pre-Doctoral Fellowship, \$22,000. *NASA and the United Negro College Fund Special Programs Corporation (UNCFSP)*, Fairfax, VA.
- Falabella, Christine.** (2006) Student Travel Award, \$500. *New Jersey Center for Biomaterials 8<sup>th</sup> Symposium on Biomaterials Science*, New Brunswick, NJ.
- Rosen, Amy B.** (2006) Finalist Collegiate Inventors Competition for "A high-throughput method for reconstructing and tracking the 3-D distribution of delivered stem cells in vivo." *The US Patent and Trademark Office and National Inventors Hall of Fame Foundation*, Akron, OH.
- Zhang, Chaolin.** (2006) Sigma Xi Travel Awards, \$200. *Sigma Xi, Stony Brook University Chapter*, Stony Brook, NY.

## ❖ Singly Authored Publications/Research Reports/Reviews

- Engel, Matthew A.** (2007) DNA Excipients: Producing a Genetic Pedigree to Meet FDA PDMA Requirements. *Applied DNA Sciences: White Paper 2*:1-5.
- Engel, Matthew A.** (2007) Impact of U.S. Supreme Court Case *Daubert v. Merrill Dow Pharmaceuticals* on the Admissibility of DNA Evidence. *Applied DNA Sciences: White Paper 1*:1-4.
- Sheriff, Jawaad.** (2006) Adjustable Shoe Gripper/Helper. In J. Enderle, and B. Hallowell (Eds.), *National Science Foundation 2005 Engineering Senior Design Projects to Aid Persons with Disabilities*. Mansfield Center, Connecticut: Creative Learning Press, Inc.

## ❖ Jointly Authored Publications/Research Reports/Reviews

- Raz, S., Einav, S., **Alemu, Y.**, and Bluestein, D. (2007) DPIV prediction of flow induced platelet activation-comparison to numerical predictions. *Ann Biomed Eng* 35(4):493-504.
- Bien, Harold**, Parikh, P., and Entcheva, E. (2007) Lenses and effective spatial resolution in macroscopic optical mapping. *Phys Med Biol* 52(4):941-60.
- Bien, Harold**, Yin, L., and Entcheva, E. (2006) Calcium instabilities in mammalian cardiomyocyte networks. *Biophys J.* 90(7):2628-40.
- Entcheva, E., and **Bien, Harold.** (2006) Macroscopic optical mapping of excitation in cardiac cell networks with ultra-high spatiotemporal resolution. *Prog Biophys Mol Biol* 92(2):232-57.

- Chiu, J.**, Liu, C., Hsiao, B.S., Chu, B., and Hadjiargyrou, M. (2007) Functionalization of Poly(L-lactide) (PLLA) Nanofibrous Scaffolds with Bioactive Collagen Molecules. *J Biomed Mater Res A*: doi:10.1002/jbm.a.31279.
- Cordovez, J.M.**, Clausen, C., Moore, L.C., and Solomon, I.C. (in press) A Mathematical model of pH<sub>i</sub> regulation in central CO<sub>2</sub>- chemoreception. *Advances in Experimental Medicine and Biology*.
- Feng, L.**, Siu, K., Moore, L.C., Marsh, D.J., and Chon, K.H. (2006) A robust method for detection of linear and nonlinear interactions: application to renal blood flow dynamics. *Ann Biomed Eng* 34(2):339-53.
- Komatsu, David E.**, Bosch-Marce, M., Semenza, G.L., and Hadjiargyrou, M. (2007) Enhanced bone regeneration associated with decreased apoptosis in mice with partial HIF-1 $\alpha$  deficiency. *J Bone Miner Res* 22(3):366-74.
- Flanagan-Cato, L.M., Calizo, L.H., Griffin, G.D., **Lee, B.J.**, and Whisner, S.Y. (2006) Sexual behaviour induces the expression of activity-regulated cytoskeletal protein and modifies neuronal morphology in the female rat ventromedial hypothalamus. *Journal of Neuroendocrinology* 18(11):857-64.
- Liu, C.**, and Hadjiargyrou, M. (2006) Identification and characterization of the Mustang promoter: regulation by AP-1 during myogenic differentiation. *Bone* 39(4):815-24.
- Ozcivici, E.**, Ferreri, S., Qin, Y.X., and Judex, S. (in press) Determination of bone's mechanical matrix properties by nanoindentation. In Westendorf, J. (Ed), *Molecular Methods in Medicine: Osteoporosis*. Totowa, NJ: The Humana Press.
- Ozcivici, E.**, Luu, Y.K., Rubin, C., and Judex, S. (2007) High Resolution Imaging of Murine Organs and Tissues by in Vivo Micro-Computed Tomography. In Qin, Y.X. (Ed), *The Protocols of Musculoskeletal Research- A Practical Manual for Laboratory Techniques*. Hackensack, NJ: World Scientific (in press).
- Cohen, I.S., **Rosen, Amy B.**, and Gaudette G.R. (2007) A Caveat Emptor for myocardial regeneration: Mechanical without electrical recovery will not suffice. *Journal of Molecular and Cellular Cardiology* 42(2): 285-288.
- Rubenstein, David**, Han, D., Goldgraben, S., El-Gendi, H., Gouma, P.I., and Frame, M.D. (2007) Bioassay chamber for angiogenesis with perfused explanted arteries and electrospun scaffolding. *Microcirculation* (in press).
- Miller, L.M., Little, W., **Schirmer, A.**, Sheik, F., Busa, B. and Judex, S. (2007) Accretion of Bone Quantity and Quality in the Developing Mouse Skeleton. *J Bone and Min Res* 22:1037-1045.
- Segui, J.A.**, and Zhao, W. (2006) Amorphous selenium flat panel detectors for digital mammography: Validation of a NPWE model observer with CDMAM observer performance experiments. *Med Phys* 33:3711-3722.
- Wang, H.**, Ju, K., and Chon, K.H. (2007) Closed-loop nonlinear system identification via the vector optimal parameter search algorithm: application to heart rate baroreflex control. *Med Eng Phys* 29(4):505-15.
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- Wang Z.G.**, Lee C.S.D., Waltzer W.C., Liu J.X., Xie H.K., Yuan Z.J., and Pan Y.T. (2007) In vivo Bladder Imaging with MEMS-based Endoscopic Spectral Domain Optical Coherence Tomography. *Journal of Biomedical Optics* (in press).
- Wang Z.G.**, Lee, C.S.D., Waltzer W.C., Yuan Z.J., and Pan Y.T. (2007) Interpixel-Shifted Endoscopic Optical Coherence Tomography for in vivo Bladder Cancer Diagnosis. *International Journal of Image and Graphics* 7(1):105-117.
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- Yu, H.J.**, Chen, X., Foglyano, R.M., Wilson, C.G., and Solomon, I.C. (2007) Respiratory Network Complexity in Neonatal Rat *In Vivo* and *In Vitro*. *Adv Exp Biol Med* (in press).
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- Zhang, Chaolin**, Zhang, X., Zhang, M.Q., and Li, Y. (2007) Neighbor number, valley seeking and clustering. *Pattern Recognition Letters* 28:173-180.
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- Zhao, H.**, Ju, K., and Chon, K.H. (2007) An approach to estimate time-varying casual coherence function. *Methods Inf Med* 46(2):102-9.
- Zhong, Y.**, Jan K.M., and Chon K.H. (2006) Frequency modulation between low- and high-frequency components of the heart rate variability spectrum. *Biomed Tech (Berl)* 51(4):251-4.
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#### ❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

- Boronikolas, Vasilios**, Michaelides, Michael, Wang, Gene-Jack, Blackband, Steve Grant, Samuel C., Metaxas, Dimitris, Volkow, Nora D., and Thanos, Panayotis K. (2006) Brain Region Morphological and Volumetric Quantitative Assessment using the 17.6 T MRI in Rats Chronically Exposed to Methylphenidate. *Annual Meetings of Society for Neuroscience*. Atlanta, GA.
- Boronikolas, Vasilios**, Michaelides, Michael, Zhou, Jinghao, Wang, Gene-Jack, Blackband, Steve, Grant, Samuel C., Metaxas, Dimitris, Volkow, Nora D., and Thanos, Panayotis K. (2006) Validation of the Active Shape Model (ASM) for Automatic Brain Region Segmentation. *Annual Meeting of Medical Imaging*. San Diego, CA.
- Dilmanian, F. Avraham, **Boronikolas, Vasilios**, Zhong, Zhong, Thanos, Panayotis K., Connor, Dean M., Michaelides, Michael, Wang, Gene-Jack, Li, Lihong, Tatiparthi, Arun, Salmon, Phil, and Liu, Xuan. (2006) Single- and Dual-Energy Quantitative CT for Quantifying Adipose Tissue in Rodents Using a MicroCT system. *Annual Medical Imaging Conference*. San Diego, CA.
- Boronikolas, Vasilios**, Michaelides, Michael, Wang, Gene Jack, Blackband, Steve, Grant, Samuel C., Metaxas, Dimitris, Volkow, Nora, and Thanos, Panayotis K. (2007) Brain Region Morphological and Volumetric Quantitative Assessment using the 17.6 T MRI in Rats Chronically Exposed to Methylphenidate. *The 33rd Meeting of Northeast Bioengineering Conference*. Stony Brook University, Stony Brook, NY.
- Lublinsky, Svetlana, Xu, S., Ozcivici, Engin, Judex, Stefan, and **Bosch, Carolin**. (2007) Bone's Mechanical Properties, as Determined by MicroCT, are Dependent on Precise Contour Lines. *BME Northeast Conference Abstract Poster Presentation*. Stony Brook, NY.
- Cordovez, J.M.**, Clausen C., Moore, L. and Solomon I.C. (2007) A mathematical model of pHi regulation in central CO<sub>2</sub>- chemoreception. *3rd Annual Northeast Bioengineering Conference*. Stony Brook, NY.

- Cordovez, J.M.**, Clausen C., Moore, L., and Solomon I.C. (2006) Differences In pHi Recovery In CO/sub 2/-Chemosensitive And Non-Chemosensitive Cells: Predictions From A Mathematical model. *28th Annual International Conference of the IEEE Engineering in Medicine and Biology Society 2006*:6589–6592.
- Engel, Matthew A.** (2007) Executive Business Plan: Development and Application of Drug Screening Technologies at the National Synchrotron Light Source. *Stony Brook DARE Competition*. Stony Brook University, Stony Brook, NY.
- Engel, Matthew A.** (2007) Synchrotron Radiation Circular Dichroism of Proteins for the Detection of Ligand Binding. *High-Throughput Screening for Drug Discovery*. OSI Pharmaceuticals, Farmingdale, NY.
- Engel, Matthew A.**, and Allaire, M. (2007) Single Crystal Diffraction Geometry at Multiple Wavelengths. *33<sup>rd</sup> Annual Northeast Biomedical Engineering Conference*. Stony Brook University, Stony Brook, NY.
- Hawyard, J.A., and **Engel, Matthew A.** (2007) DNA Excipients: FDA Regulation and Forensic Authentication. *Anticounterfeiting for Pharmaceuticals 2007, International Quality and Productivity Center*. Philadelphia, PA.
- Engel, Matthew A.** (2006) SRCD Indicates a Conformational Change in the PLA2 Domain of the B19 Erythroviral VP1 Capsid Protein in Response to Calcium. *New York Structural Biology Group*. Cold Spring Harbor Laboratory, NY.
- Falabella, Christine**, and Chen, W. (2006) Prevention of post-surgical adhesions by implementation of a cross-linked hyaluronan film. *8<sup>th</sup> Symposium on Biomaterials Science*. New Brunswick, NJ.
- Georgi, Melissa**, Sharma, S., and Frame, M. (2007) Microvascular network shear rate is disrupted with elevated tissue bath glucose in normal mice. *Northeast Biomedical Engineering Conference*. Stony Brook University, Stony Brook, NY; and *Experimental Biology*. Washington, DC.
- Hamilton, C.S.**, Ma, Yeming, Smith, S.D., and Benveniste, H. (2007) High Resolution 3D in Vivo Mouse Brain Imaging at 9.4 T Bruker MRI System. *33<sup>rd</sup> Annual Northeast Bioengineering Conference*. Stony Brook University, Stony Brook, NY.
- Kim, J.**, Gao, J., Sun, X., Cohen, I.S., and Mathias, R.T. (2007) A Transmural Gradient in Angiotensin II Concentration in the Canine Ventricle. *33<sup>rd</sup> Annual Northeast Bioengineering Conference*. Stony Brook University, Stony Brook, NY.
- Gao, J., **Kim, J.**, Sun, X., Cohen, I.S., and Mathias, R.T. (2007) Gradients in Na/K Pump Current and Angiotensin II across the Canine Ventricular Wall. *51<sup>st</sup> Annual Mtg. Biophysical Society*. Baltimore, MD.
- Komatsu, David E.**, Bosch-Marce, M., Semenza, G.L., and Hadjiargyrou, M. (2006) Enhanced Bone Regeneration Associated with Decreased Apoptosis in Mice with Partial HIF-1alpha Deficiency. *JBMR 21*:S339.
- Korgaonkar, M.S.**, and Wagshul, M.E. (2007) Optimization of Diffusion Tensor Imaging Sequence Parameters for Tractography at 3T. *33<sup>rd</sup> Annual Northeast Bioengineering Conference*. Stony Brook University, Stony Brook, NY.
- Korgaonkar, M.S.**, Chen, J.J., Fiore, S., Perkins, C.J., Squires, N.K., Yan, Z., and Wagshul, M.E. (2007) Do Differences in the Left-Right Fractional Anisotropy in the Language Tracts of Right Handed Individuals Correlate with Laterality of Functional Activation? *International Society of Magnetic Resonance in Medicine*. Berlin, Germany.
- Perkins, C.J., **Korgaonkar, M.S.**, Fiore, S., Squires N.K., Goldfarb R., McCloskey K.M., and Wagshul, M.E. (2006) Functional Evaluation of Aphasia Recovery for Stroke Patients using fMRI and ERP. *59th American Academy of Neurology Annual Meeting*. Boston, MA.
- Lee, B.J.**, Judex, S., Luu, Y.K., Thomas, J., Gilsanz, V., and Rubin, C. (2007) Potential Mitigation of the Skeletal Complications of Duchenne's Muscular Dystrophy with Vibration. *33<sup>rd</sup> Northeast*



*Biomedical Engineering Conference*. Stony Brook University, Stony Brook, NY.

- Lee, B.J.**, Judex, S., Luu, Y.K., Thomas, J., Gilsanz, V., and Rubin, C. (2007) Skeletal Complications of Duchenne's Muscular Dystrophy: Can they be Mitigated by Extremely Low Level Mechanical Signals? *Stony Brook University – Women in Medicine Research Day*. Stony Brook, NY.
- Leskovjan, Andreana**, Kretlow, A, Lanzirrotti, A, and Miller, L.M. (2007) Synchrotron-based imaging detects metal and plaques in a mouse model of Alzheimer's disease. *33rd Annual Northeast Bioengineering Conference*. Stony Brook University, NY.
- Leskovjan, Andreana**, Wang, Q, and Miller, L.M. (2006) Investigating the secondary structure of amyloid beta (1-40) protein in Alzheimer's disease. *National Synchrotron Light Source User Meeting*. Brookhaven National Laboratory, NY.
- Levine, Y.A.**, Ochani, M., Ochani, K., Tamari, Y., and Tracey, K.J. (2007) Elevated plasma hemoglobin in cecal ligation and puncture-induced sepsis. *Shock Society 30<sup>th</sup> Conference on Shock*. Baltimore, MD.
- Liu, C.**, Kronenberg, M.S., Jiang, X., Rowe, D.W., and Hadjiargyrou, M. (2006) Generation of MustangPRO-GFP<sup>tpz</sup> Transgenic Mice for Studying Musculoskeletal Cell Lineages *JBMR* 21:S338.
- Muir, J.W.**, Xia, Y., Evans, H., Judex, S., Qin, Y-X., Lang, T., and Rubin, C. (2006) Extended Bed-Rest, Like Spaceflight, Causes Rapid and Significant Loss of Bone Mineral Density and Postural Control. *28<sup>th</sup> Annual American Society of Bone Mineral Research*, Philadelphia, PA.
- Muir, J.W.**, Judex, S., Qin, Y-X., and Rubin, C. (2006) Safety of Whole Body Vibration, Considered for the Prevention and/or Treatment of Osteoporosis, Relative to Standards Set by the International Safety Organization. *28<sup>th</sup> Annual American Society of Bone Mineral Research*, Philadelphia, PA.
- Muir, J.W.**, Xia, Y., Holguin, N., Judex, S., Qin, Y-X., Jeka, J.J., Evans, H., Lang, T., and Rubin C. (2007) Retention of Bone Density and Postural Status with a Non-Invasive Extremely Low Level Mechanical Signal: a Ground Based Evaluation of Efficacy. *NASA Human Research Program Investigators' Workshop*. South Shore Harbour Resort and Conference Center, League City, TX.
- Muir, J.W.**, Xia, Y., Judex, S., Qin, Y-X., and Rubin, C. (2007) A Low-Intensity Mechanical Countermeasure to Prohibit Osteoporosis in Astronauts During Long-Term Spaceflight. *NASA Human Research Program Investigators' Workshop*. South Shore Harbour Resort and Conference Center, League City, Texas.
- Ozcvici, E.**, Garman, R., Rubin, C., and Judex, S. (2006) Micro-mechanical adaptations of trabecular bone to small amplitude oscillations. *Journal of Bone and Mineral Research* 21(Suppl.1):S48-S48.
- Ozcvici, E.**, Gambino, C., Xu, S., Torab-Parhiz, A., Xie, L., Rubin, C., and Judex, S. (2007) Is mechanosensitivity similar for muscle and bone? *Transactions of the Orthopaedic Research Society*. San Diego, CA.
- Ozcvici, E.**, Xu, S., Torab-Parhiz, A., Chung, H., Gambino, C., Li, A., Donahue, L.R., Rubin, C., and Judex, S. (2007) Cortical bone morphology and mechanosensitivity are modulated by genetic variations. *33<sup>rd</sup> Northeast Bioengineering Conference*. Stony Brook, NY.
- Bosch, C., Lublinsky, S., Xu, S., **Ozcvici, E.**, and Judex, S. (2007) Bone's mechanical properties, as determined by microCT, are dependent on precise contour lines. *33<sup>rd</sup> Northeast Bioengineering Conference*. Stony Brook University, Stony Brook, NY.
- Parvaz, Muhammad A.**, Maloney, T., Tomasi, D., Alia-Klein, N., Telang, F., Wang, G., Volkow, N.D., and Goldstein, R.Z. (2006) A Multimodal Analysis of Decreased Neural Sensitivity to Reward in Cocaine Addiction. *Annual BMES Fall Meeting*. Chicago, IL.
- Parvaz, Muhammad A.**, Maloney, T., Woicik, P.A., Alia-Klein, N., Telang, F., Wang, G., Volkow, N.D., and Goldstein, R.Z. (2007) Compromised sensitivity to relative monetary reward in Current Cocaine Addiction: evidence from the P300. *33<sup>rd</sup> Annual Northeast Bioengineering Conference*. Stony Brook University, Stony Brook, NY.

- Rashid, Shams**, Benveniste, H., Yu, M., Li, J., McAllister, J. P., and Wagshul, M. E. (2007) Development of Ventricular Expansion and Increased Pulsatile CSF Flow in a Rat Model of Communicating Hydrocephalus. *33<sup>rd</sup> Annual Northeast Bioengineering Conference*, Stony Brook University, Stony Brook, NY.
- Wagshul, M.E., Li, J., Benveniste, H., Egnor, M., Haacke, E.M., **Rashid, Shams**, Shen, Y., Walker, M.E., Yu, M., and McAllister, J.P. (2007) Hyperdynamic pulsatile flow and ventricular dilation in experimental communicating hydrocephalus. *51<sup>st</sup> Annual Meeting of the Society for Research into Hydrocephalus and Spina Bifida*. Heidelberg, Germany.
- Wagshul, M.E., Benveniste, H., Egnor, M.R., McCormack, E., Li, J., McAllister, J.P., **Rashid, Shams**, and Yu, M. (2007) Aqueductal Flow Measurement in a Rat Model of Communicating Hydrocephalus using Gadolinium Enhancement. *Joint Annual Meeting of ISMRM-ESMRMB*. Berlin, Germany.
- Rosen, Amy B.**, Kelly, D.J., Schuldt, A.J.T., Potapova, I.A., Doronin, S.V., Robinson, R.B., Rosen, M.R., Brink, P.R., Gaudette, G.R., and Cohen, I.S. (2007) Quantitative analysis of hMSC-seeded biological scaffolds using quantum dot nanoparticles. *Northeast Bioengineering Conference*. Stony Brook University, Stony Brook, NY.
- Doronin, S.V., Kelly, D.J., Schuldt, A.J.T., Potapova, I.A., **Rosen, Amy B.**, Brink, P.R., Cohen, I.S. and Gaudette, G.R. (2007) Stem cells induce myocardial proliferation in vivo and in vitro by release of paracrine factors. *Molecular Pathways in Cardiac Development and Disease*. Breckenridge, CO.
- Rosen, Amy B.**, Kelly, D.J., Schuldt, A.J.T., Lu, J., Potapova, I.A., Doronin, S.V., Robinson, R.B., Rosen, M.R., Brink, P.R., Gaudette, G.R., and Cohen, I.S. (2006) Quantitative 3-D reconstructions of quantum dot-loaded human mesenchymal stem cells injected into the rat ventricle in vivo. *Biomedical Engineering Society Meeting*. Chicago, IL.
- Potapova, I.A., Doronin, S.V., Kelly, D.J., **Rosen, Amy B.**, Schuldt, A.J.T., Guo, Y., Lu, Z., Robinson, R.B., Rosen, M.R., Brink, P.R., Gaudette, G.R., and Cohen, I.S. (2006) A novel method to commit mesenchymal stem cells to a cardiac lineage results in improved mechanical function and MSC-derived striated cardiac myocytes in the adult canine heart. *Scientific Sessions, American Heart Association*. Chicago, IL.
- Rosen, Amy B.**, Kelly, D.J., Schuldt, A.J.T., Lu, J., Potapova, I.A., Doronin, S.V., Robinson, R.B., Rosen, M.R., Brink, P.R., Gaudette, G.R., and Cohen, I.S. (2006) Finding fluorescent needles in the cardiac haystack: reconstructing the three-dimensional distribution of human mesenchymal stem cells injected into the rat ventricle in vivo using quantum dot nanoparticles. *3rd Annual Symposium of the American Heart Association Council on Basic Cardiovascular Sciences*. Keystone, CO. Abstract in *Circulation Research* 99(5):E34.
- Potapova, I.A., Doronin, S.V., Kelly, D.J., **Rosen, Amy B.**, Schuldt, A.J.T., Lu, Z., Guo, Y., Raptis, N.D., Towner, A.A., Robinson, R.B., Rosen, M.R., Brink, P.R., Gaudette, G.R., and Cohen, I.S. (2006) Functional regeneration of the canine ventricle using adult human mesenchymal stem cells committed in vitro to a cardiac lineage. *3rd Annual Symposium of the American Heart Association Council on Basic Cardiovascular Sciences*. Keystone, CO. Abstract in *Circulation Research*. 99(5):E19.
- Rubenstein, David**, and Frame, M.D. (2007) Micro-stamped ECM proteins enhance endothelial cell adhesion and directed growth. *Experimental Biology 2007*. Washington, DC.
- Segui, J.A.**, and Zhao, W. (2007) Development of a TLM to investigate the effect of a resistive interface in digital flat panel x-ray detectors. *33rd Annual Northeast Bioengineering Conference*. Stony Brook University, Stony Brook, NY.
- Sheriff, Jawaad**. (2007) Platelet Damage Accumulation: *In Vitro* and Mathematical Models. *33<sup>rd</sup> Annual Northeast Bioengineering Conference*. Stony Brook University, Stony Brook, NY.
- Wang, Z.G.**, Hasan, M., Liu, J.X., and Pan, Y.T. (2007) Bladder Cancer Diagnosis with Fluorescence Guided Spectral Domain Optical Coherence Tomography in a Rat Model. *33<sup>rd</sup> Annual Northeast Bioengineering Conference*. Stony Brook University, Stony Brook, NY.

- Jain, A.V., **Wang, Z.G.** and Pan, Y.T. (2007) High-Resolution Imaging Characterization of Bladder Muscle Contractility. *33<sup>rd</sup> Annual Northeast Bioengineering Conference*. Stony Brook University, Stony Brook, NY.
- Yuan Z.J., **Wang, Z.G.**, and Pan Y.T. (2007) Micro Particle Size Measurements using Modulated Light Scattering Spectrum from SDOCT. *33<sup>rd</sup> Annual Northeast Bioengineering Conference*. Stony Brook, NY.
- Wang, Z.G.**, Lee, C.S.D., Waltzer, W.C., Yuan, Z.J., Wu, Z.L., Xie H.K., and Pan, Y.T. (2006) Optical Coherence Tomography for Noninvasive Diagnosis of Epithelial Cancers. *Proceedings of the 28<sup>th</sup> IEEE, EMBS Annual International Conference*. New York, NY.
- Wang, Z.G.**, Durand, D.B., Howard, A., and Pan, Y.T. (2006) Bladder Cancer Diagnosis with Fluorescence-image-guided Optical Coherence Tomography. *Proceedings of SPIE: Coherence Domain Optical Methods and Optical Coherence Tomography in Biomedicine X*. San Jose, CA
- Wang Z.G.**, Howard, A., Chan, D., and Pan, Y.T. (2006) Cystoscopic Optical Coherence Tomography for Urinary Bladder Imaging *in vivo*. *Proceedings of SPIE: Coherence Domain Optical Methods and Optical Coherence Tomography in Biomedicine X*. San Jose, CA.
- Yu, H.J.**, Chen, X., and Solomon, I.C. (2007) Developmental Changes in Respiratory Network Complexity and Burst Timing during Gasping in Urethane-Anesthetized Rat *In Vivo*. *Experimental Biology*. Washington, DC.
- Yu, H.J.**, Clausen, C., Moore, L.C. and Solomon, I.C. (2006) Voltage-Dependent Oscillatory Bursting in Putative Rhythmogenic Respiratory Related Pacemaker Neurons. *Joint Stony Brook/BNL Workshop on Computational Biology*. Stony Brook, NY.
- Reid, I.M., **Yu, H.J.**, Lin, R., and Solomon, I.C. (2007) Long-Term Facilitation Differentially affects Inspiratory Network Complexity in Urethane-Anesthetized P12-13 versus P14-15 Neonatal Rats. *Experimental Biology*. Washington, DC.
- Zhang, Chaolin**, Krainer, Adrain R., and Zhang, Michael Q. (2006) Comparative genomics evidence for frequent splicing errors in mammals. *RNA 2006 Annual Meeting*. Seattle, WA.
- Zhang, Chaolin**. (2006) Profiling alternatively spliced mRNA isoforms for prostate cancer classification. *Cambridge Healthtech Institute 6<sup>th</sup> Annual Workshop: Microarray Data and Interpretation*. Washington, DC. (invited talk)

#### ❖ Post-Doctorates Obtained and Professional Appointments

- Garman, Russell**. (2006) Scientific Advisor. *Frommer Lawrence and Haug, LLP*, New York, NY.
- Ghosh, Kaustabh**. (2006) Research Fellow. Department of Surgery, *Harvard Medical School*, Boston, MA.
- Kelly, Damon**. (2006) Postdoctoral Research Associate. Department of Pharmacology, *Stony Brook University*, Stony Brook, NY.
- Komatsu, David E**. (2006) Postdoctoral Fellow. *Indiana University and Eli Lilly*. Bloomington, IN.
- Maher, Christopher**. (2006) Postdoctoral fellow. South Africa National Bioinformatics Institute, *University of Western Cape*, Bellville, South Africa.
- McCormack, Erin**. (2006) Postdoctoral Research Associate. Department of Radiology, *Stony Brook University*, Stony Brook, NY.
- Rubenstein, David**. (2007) Assistant Professor. Department of Mechanical and Aerospace Engineering, *Oklahoma State University*, Stillwater, OK.

## **Biomedical Engineering**

**Xia, Yi.** (2006) Postdoctoral Research Associate Department of Biomedical Engineering, *Stony Brook University*, Stony Brook, NY.

**Xie, Liqin.** (2006) Postdoctoral Research Associate. Department of Biomedical Engineering, *Georgia Tech University*, Atlanta, GA.

### **❖ Internship Appointments**

**Engel, Matthew A.** (2006) Independent Consultant. *Applied DNA Sciences*, Stony Brook, NY.

**Parvaz, Muhammad A.** (2007) Participant. *UCLA Advanced Neuroimaging Summer School*, Los Angeles, CA.

**Zhang, Chaolin.** (2006) Research Intern. *Rosetta Inpharmatics LLC/Merck*, Seattle, WA.

# CHEMISTRY

GRADUATE DIRECTOR: NANCY GOROFF  
DEPARTMENT CHAIR: MICHAEL G. WHITE

## ❖ Grants, Fellowships, and Awards

- Chen, Jin.** (2006) Ajinomoto Travel Award, \$600. *Ajinomoto, Co. Inc.*, Japan.
- Choi, Jun Yong.** (2006) NIDDK Scholarship Award, \$1,091. *Keystone Symposia: PI3-Kinase Signaling Pathways in Disease (B8)*, Santa Fe, NM.
- Holmes, Lesley, Peng, Luming, Heinmaa, I., Vannier, R.N., and Grey, C.P.** (2006) Jack E. Crow Travel Grant. *48<sup>th</sup> Rocky Mountain Conference on Analytical Chemistry*. Breckenridge, CO.
- Key, Baris.** (2006) National School on X-ray and Neutron Scattering. *Argonne National Laboratory*, Argonne, IL.
- Lee, Younjoo.** (2007) Sigma Xi Travel Award. *Stony Brook University Chapter of Sigma Xi*. Stony Brook, NY.
- Lu, Hao.** (2007) ASBMB Graduate/Postdoctoral Travel Award, \$750. *American Society for Biochemistry and Molecular Biology*. Washington, DC.
- Machutta, Carl.** (2006) Pfizer Poster Award, \$400. *Bioorganic Chemistry Gordon Research Conference, Magdalen College*. Oxford, UK.
- Holmes, Lesley, **Peng, Luming**, Heinmaa, I., Vannier, R.N., and Grey, C.P. (2006) Jack E. Crow Travel Grant. *48<sup>th</sup> Rocky Mountain Conference on Analytical Chemistry*. Breckenridge, CO.
- Sun, Liang.** (2007) Sigma Xi Award for Excellence in Research, *Stony Brook University Chapter of Sigma Xi*. Stony Brook, NY.
- Xu, Hua.** (2007) ASBMB Graduate/Postdoctoral Travel Award, \$750. *American Society for Biochemistry and Molecular Biology*. Washington, DC.
- Zhao, Xianrui.** (2007) Sigma Xi Travel Award. *Stony Brook University Chapter of Sigma Xi*. Stony Brook, NY.
- Zuo, Feng.** (2006) Sigma Xi Award for Excellence in Research. *Stony Brook University Chapter of Sigma Xi*. Stony Brook, NY.

## ❖ Jointly Authored Publications/Research Reports/Reviews

- Baessler, K.A.,** Lee, Younjoo, Roberts, K.S., Facompre, N., and Sampson, N.S. (2006) Multivalent Fertilin $\beta$  Oligopeptides: The Dependence of Fertilization Inhibition on Length and Density. *Chemistry and Biology* 13:251-259.
- Lee, Younjoo, **Baessler, K.A.,** and Sampson, N.S. (2006) ROMP of norbornyl oligopeptides: A versatile synthetic method for exploring receptor topology. In Blondelle, Sylvie E. (Ed.), *Understanding Biology Using Peptides: Proceedings of the Nineteenth American Peptide Symposium* 9:59-60.
- Huang, Qing,** Tonge, P. J., Slayden, R. A., Kirikae, T., and Ojima, I. (2007) FtsZ: A Novel Target for Tuberculosis Drug Discovery. *Current Topics in Medicinal Chemistry* 7:527-543.

- Huang, Qing**, Kirikae, F., Kirikae, T., Pepe, A., Amin, A., Respicio, L., Slayden, R. A., Tonge, P. J., and Ojima, I. (2006) Targeting FtsZ for Anti-tuberculosis Drug Discovery: Noncytotoxic Taxanes as Novel Anti-tuberculosis Agents. *Journal of Medicinal Chemistry* 49:463-466.
- Peng, Luming, **Huo, Hua**., Liu, Y., and Grey, C. P. (2007)  $^{17}\text{O}$  Magic Angle Spinning NMR Studies of Bronsted Acid Sites in Zeolites HY and HZSM-5. *J Am Chem Soc* 129(2): 335-346.
- Huo, Hua**, Peng, Luming, and Grey, C.P. (2007) Probing Brønsted acid sites in zeolite HY with low temperature  $^{17}\text{O}$  MAS NMR spectroscopy. *15<sup>th</sup> International Zeolites Conference*. Beijing, China. (accepted).
- Kil, K.E.**, Ding, Y.S., Lin, K.S., Alexoff, D., Kim, S.W., Shea, C., Xu, Y., Muench, L., and Fowler, J.S. (2007) Synthesis and Positron Emission Tomography Studies of Carbon-11-labeled Imatinib (Gleevec). *Nucl Med Biol* 34(2):153-63.
- Michel, F. M., Ehm, L., Liu, G., Han, W. Q., Antao, S. M., Chupas, P.J., Lee, P.L., Knorr, K., Eulert, H., **Kim, J.**, Grey, C.P., Celestian, A.J., Gillow, J., Schoonen, M.A.A., Strongin, D.R., and Parise, J.B. (2007) Similarities in 2- and 6-Line Ferrihydrite Based on Pair Distribution Function Analysis of X-ray Total Scattering. *Chemistry of Materials* 19:1489-1496.
- Zuo, Feng, **Keum, J.K.**, Yang, L., Somani, H.R., and Hsiao, B. (2006) Thermal Stability of Shear-Induced Shish-Kebab Precursor Structure from High Molecular Weight Polyethylene Chains. *Macromolecules* 39:2209-2218.
- Baessler, K.A., **Lee, Younjoo**, Roberts, K.S., Facompre, N., and Sampson, N.S. (2006) Multivalent Fertilin $\beta$  Oligopeptides: The Dependence of Fertilization Inhibition on Length and Density. *Chemistry and Biology* 13:251-259.
- Lee, Younjoo**, Baessler, K.A., and Sampson, N.S. (2006) ROMP of Norbornyl Oligopeptides: A Versatile Synthetic Method for Exploring Receptor Topology. In Blondelle, Sylvie E. (Ed.), *Understanding Biology Using Peptides: Proceedings of the Nineteenth American Peptide Symposium* 9:59-60.
- Lee, Younjoo**, and Sampson, N. (2006) Romping the cellular landscape: linear scaffolds for molecular recognition. *Current Opinion in Structural Biology* 16(4):544-550.
- Park, Hyunsoo**, Britten, J.F., Mueller, U., Lee, J.Y., Li, J., and Parise, J.B. (2007) Synthesis, Structure Determination and Hydrogen Sorption Studies of New Metal-Organic Frameworks using Triazole and Naphthalenedicarboxylic Acid. *Chemistry of Materials* 19:1302-1308.
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- Zhou, H., **Park, Tae-Jin**, and Wong, S.S. (2006) Synthesis Characterization and Photocatalytic Properties of Pyrochlore  $\text{Bi}_2\text{Ti}_2\text{O}_7$  Nanotubes. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Lightstone, J.M., **Patterson, M.J.**, Lofaro, J.C., and White, M.G. (2006) Deposition and Reactivity of  $\text{Mo}_x\text{S}_y$  ( $x/y = 4/6, 6/8, 7/10$ ) Clusters on Au(111). *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.

- Patterson, M.J.**, Lightstone, J.M., Wall, J.S., and White, M.G. (2006) Surface Studies of Size-Selected Molybdenum Oxide Clusters. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Holmes, Lesley, **Peng, Luming**, Heinmaa, I., Vannier, R.N., and Grey, C.P. (2006) Study of Oxygen Motion in  $\text{Bi}_{26}\text{Mo}_{10}\text{O}_{69}$  via Variable Temperature Solid State NMR. *Advanced Workshop on Recent Developments in Inorganic Materials*. Trieste, Italy; and *The European Materials Research Society Spring Meeting*. Nice, France.
- Holmes, Lesley, **Peng, Luming**, Heinmaa, I., Vannier, R.N., and Grey, C.P. (2006) Variable Temperature  $^{17}\text{O}$  NMR Study of Oxygen Motion in the Anionic Conductor  $\text{Bi}_{26}\text{Mo}_{10}\text{O}_{69}$ . *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Holmes, Lesley, **Peng, Luming**, Heinmaa, I., Vannier, R.N., and Grey, C.P. (2006) Unique Anionic Conductor: Ultra-Fast MAS  $^{17}\text{O}$  NMR Study of Oxygen Motion in  $\text{Bi}_{26}\text{Mo}_{10}\text{O}_{69}$  as a Function of Temperature from -240 to 450°C. *48<sup>th</sup> Rocky Mountain Conference on Analytical Chemistry*. Beaver Run Resort & Conference Center, Breckenridge, CO.
- Rafi, S.**, Song, K., Sullivan, T., Kisker, C., Tonge, P.J., and Simmerling, C. (2006) Investigating Mechanism of Active Site Loop Ordering in M.tb Enoyl Reductase InhA Using Molecular Dynamic Simulations. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Richards, S.**, Zhou, L., and Goroff, N.S. (2006) Synthesis of Tetrahedral Chromophore Arrays for Applications in FRET Studies. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Okur, A., **Roe, D.R.**, Cui, G., Hornak, V., Roitberg, A., and Simmerling, C. (2006) Improving Convergence of Replica Exchange Simulations through Coupling to a High Temperature Structure Reservoir. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Roe, D.R.**, Hornak, V., and Simmerling, C. (2006) Secondary Structure Bias in Generalized Born Solvent Models: Comparison of Conformational Ensembles and Free Energy of Solvent Polarization from Explicit and Implicit Solvation. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Selvaggio, A.**, Lin, E.C., and Goroff, N.S. (2006) Synthesis of Diphenylhaloenynes for Head-to-Tail Polymerization to Phenyl-Substituted Polyacenes. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Shi, C.**, Chapsal, B., Odynocki, K., and Ojima, I. (2006) Development of Chiral Biphenol-Based Monodentate Phosphoramidite Ligands and Their Application to the Intramolecular Asymmetric Allylic Amination Reaction. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Sideris, P.J.**, Nielsen, U.G., and Grey, C.P. (2006) Structure and Dynamics of  $\text{Mg}_{1-x}\text{Al}_x(\text{NO}_3)_x \cdot n\text{H}_2\text{O}$  Layered Double Hydroxides. *Annual Geological Society of America Meeting: Multidisciplinary Approaches to Solving Geochemical Problems*. Philadelphia, PA.
- Rafi, S., **Song, K.**, Sullivan, T., Kisker, C., Tonge, P.J., and Simmerling, C. (2006) Investigating Mechanism of Active Site Loop Ordering in M.tb Enoyl Reductase InhA Using Molecular Dynamic Simulations. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Song, A.**, Lee, J.C., Lee, Younjoo, Parker, K., and Sampson, N.S. (2006) New Spacer Design of ROMP-derived Polymers for Mammalian Fertilization Inhibition. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Song, K.**, De Los Santos, C., Grollman, A.P., and Simmerling, C. (2006) No More X-Men: How Does a Repair Enzyme Recognize Damaged DNA? *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Sporleder, D.**, and White, M.G. (2006) Photodesorption of  $\text{O}_2$  from Rutile  $\text{TiO}_2$  (110) Surfaces. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.

## Chemistry

- Stelling, A.L.,** Nappa, J., Ronayne, K.L., Tonge, P.J., and Meech, S.R. (2006) Ultrafast Vibrational Studies of Biological Chromophores: Investigations into Yellow Fluorescent Protein and the Bacterial Blue Light Sensing Protein, Appa. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Stolarzewicz, E.,** and Parker, K. (2006) Design and Synthesis of Monomers for the Preparation of Translationally Invariant ROMP Polymers. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Xu, Hua, **Sullivan, T.,** Kirkae, T., and Tonge, P.J. (2006) The Kinetic Studies of saFabI, the Enoyl ACP Reductase From *Staphylococcus Aureus*. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Sun, Liang,** and Ojima, I. (2006) Design and Synthesis of De Novo Paclitaxel Mimics. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY; and *232nd ACS National Meeting*. San Francisco, CA. (Poster presentation)
- Tang, H.,** Grabovich, A., and Sampson, N.S. (2006) Orientation of Cholesterol Oxidase on Model Membranes. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Jiang, H., Zhang, J., **Wan, F.,** Chen, X., Hsiao, B.S., and Chu, B. (2006) Synthesis and Self-assembly Property of Chitosan-based Graft Copolymers. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Wan, F.,** Burger, C., Ying, Q., Zhang, J., Liang, D., Nakanishi, W., Isobe, H., Nakamura, E., and Chu, B. (2006) Aggregation Behavior of Fullerene Derivatives in Aqueous Solution and Their Interactions with Plasmid DNA. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Wang, P.,** and Parker, K. (2006) Hydrogen-Bonding as a Control of Regiochemistry in Additions to Quinones. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Wang, P.,** and Parker, K. (2006) A Deconstruction-Reconstruction Strategy for Accessing Valuable Polyketides. Preparation of the C15-C24 Stereopentad of Discdermolide by Semisynthesis. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Wickstrom, Lauren,** Bi, Y., Hornak, V., Raleigh, D.P., and Simmerling, C.L. (2006) Reconciling the Solution and X-ray Structures of the Villin Headpiece Helical Subdomain. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Wilhelm, C.,** Boyd, S.A., Webb, J.A., Martin, C.D., Luo, L., Parise, J.B., Fowler, F.W., Lauher, J.W., Grey, C.P., and Goroff, N.S. (2006) The Pressure-Induced Polymerization of Diiododiacetylene within a Co-Crystal System. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Xie, Q.,** and Parker, K. (2006) Catalytic Asymmetric Synthesis of Building Blocks for Polypropionate Natural Products Building Blocks. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Am Ende, C.W., Sullivan, T.J., **Xu, Hua,** Gagina, Y., Jallow, O., and Tonge, P.J. (2006) Increasing Aqueous Solubility of Potent Diaryl Ether InhA Inhibitors. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Xu, Hua,** Sullivan, T., Kirkae, T., and Tonge, P.J. (2006) The Kinetic Studies of saFabI, the Enoyl ACP Reductase From *Staphylococcus Aureus*. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Xu, Hua,** Sullivan, T., Kirkae, T., and Tonge, P.J. (2007) The Kinetic Studies of saFabI, the Enoyl ACP Reductase from *Staphylococcus aureus*. *ASBMB 2007 Annual Meeting*, Washington, DC.
- Yang, X.,** and Sampson, N.S. (2006) Characterization of a Putative 3 $\beta$ -hydroxysteroid Dehydrogenase from *Mycobacterium Tuberculosis*. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Yeo, J.E.,** Gillet, D.C.J., and Schärer, O.D. (2006) Synthesis of NER Substrates and Investigation of Dual

- Incision Step in NER Pathway. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Yoon, K.**, Hsiao, B.S., and Chu, B. (2006) Ultrafiltration Membranes. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Zeng, D.**, Cabana, J., Yoon, W.S., and Grey, C.P. (2006) Structural Study of Pristine Series  $\text{Li}[\text{Ni}_x\text{Mn}_x\text{Co}_{1-2x}]\text{O}_2$  ( $0.01 \leq x \leq 0.30$ ) as Positive Electrode Materials for Rechargeable Lithium Batteries. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Zhang, F.**, Mao, Y., and Wong, S.S. (2006) Ambient Template-directed Synthesis of Single-crystalline Alkaline Earth Metal Fluoride Nanowires. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Jiang, H., **Zhang, J.**, Wan, F., Chen, X., Hsiao, B.S., and Chu, B. (2006) Synthesis and Self-assembly Property of Chitosan-based Graft Copolymers. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Wan, F., Burger, C., Ying, Q., **Zhang, J.**, Liang, D., Nakanishi, W., Isobe, H., Nakamura, E., and Chu, B. (2006) Aggregation Behavior of Fullerene Derivatives in Aqueous Solution and Their Interactions with Plasmid DNA. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Zhang, H.**, Truglio, J.J., Subramaniapillai, K., Luk-Paszyc, M., Gajda, R., Kisker, C., and Tonge, P.J. (2006) The Catalytic Mechanism of MenB, the 1,4-Dihydroxynaphthoyl-CoA Synthase from *Mycobacterium Tuberculosis*. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Zhang, X.**, Rafi, S., Novichenok, P., and Tonge, P.J. (2006) Substrate Recognition by Bacterial Enoyl Reductases. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY; and 232<sup>nd</sup> ACS Meeting, San Francisco, CA.
- Zhao, X.**, Chen, Jin, Chen, S., Kuznetsova, L., Wu, X., and Ojima, I. (2006) Synthesis and Evaluation of Disulfide Linkers for Tumor-Targeting Drug Delivery. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Chen, S., **Zhao, X.**, Chen, Jin, and Ojima, I. (2006) Evaluation of Efficient Intracellular Release of Anticancer Agents from Tumor-Targeting Delivery System. 232<sup>nd</sup> ACS National Meeting. San Francisco, CA; 2006 *Chemistry Research Day*. Stony Brook, NY.
- Chen, Jin, **Zhao, X.**, Chen, S., Curato, J., Rutigliano, R., Bar-Sagi, D., and Ojima, I. (2006) Design and Development of New and Efficient Linkers for Tumor-Targeting Drug Delivery. 232<sup>nd</sup> ACS National Meeting, San Francisco, CA; and *Chemistry Research Day*. Stony Brook, NY.
- Zhou, H.**, Park, Tae-Jin, and Wong, S.S. (2006) Synthesis and Characterization of Pyrochlore-type  $\text{Bi}_2\text{Ti}_2\text{O}_7$  Nanotubes. *Materials Research Society (MRS) Fall Meeting*, Boston, MA.
- Zhou, H.**, Park, Tae-Jin, and Wong, S.S. (2006) Synthesis Characterization and Photocatalytic Properties of Pyrochlore  $\text{Bi}_2\text{Ti}_2\text{O}_7$  Nanotubes. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Zhou, H.**, Burger, C., Sics, I., Wang, H., Graham, L., Glimcher, M.J., Rong, L., Hsiao, B.S., and Chu, B. (2006) Collagen Superstructures in Bone and Tendo. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Connors, D., Cui, L., Katsamamis, Z.E., **Zhou, L.**, and Goroff, N.S. (2006) Design and Synthesis of Conjugated Molecular Belts. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Richards, S., **Zhou, L.**, and Goroff, N.S. (2006) Synthesis of Tetrahedral Chromophore Arrays for Applications in FRET Studies. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Zhou, Z.**, and Parker, K. (2006) Progress on the Synthesis of Bisabosqual A. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.

## Chemistry

Keum, J.K., **Zuo, Feng**, and Hsiao, B.S. (2006) Probing the Flow-induced Shish-kebab Structure in Entangled Polyethylene Melts by Synchrotron X-ray Scattering. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.

**Zuo, Feng**, Chen, X., Keum, J.K., Mao, Y., Hsiao, B.S., Chen, H., Chiu, D., and Lai, S. (2006) Structure, Process, and Property Relationships of Olefin Block Copolymers Via In-Situ Synchrotron X-ray Studies. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.

### ❖ Post-Doctorates Obtained and Professional Appointments

**Chen, Jin**. (2007) Postdoctoral Academic Fellowship. Department of Chemistry. *Stony Brook University*. Stony Brook, NY.

**Huang, Qing**. (2007) Postdoctoral fellow. Biochemistry Department, *Albert Einstein College of Medicine*, Bronx, NY.

**Park, Hyunsoo**. (2007) Postdoctoral Research Associate. Department of Chemistry. *University of Liverpool*, Liverpool, United Kingdom.

### ❖ Patents

Wong, S.S., and **Park, Tae-Jin**. (2006) *Ternary Oxide Nanostructures and Methods of Making Same*. US Patent Number 20070138459.



# COLLEGE OF BUSINESS

GRADUATE DIRECTOR: OWEN CARROLL  
DEPARTMENT CHAIR: JOSEPH MCDONNELL

## ❖ **Jointly Authored Publications/Research Reports/Reviews**

**Melendez, M.M.**, Xu, X., Sexton T.R., Shapiro, M.J., and Mohan, E. (2007) The Importance of Basic Science and Clinical Research as a Selection Criterion for General Surgery Residency Programs. *Current Surgery*. (accepted)

## ❖ **Software Developed**

**Melendez, M.M.**, Polyakov, M., and Xu, X. (2006) MARMI Inc. Research Patient Database. *Stony Brook University Medical Center*, Stony Brook, New York.

# COMPARATIVE LITERATURE

GRADUATE DIRECTOR: KRIN GABBARD  
DEPARTMENT CHAIR: ROBERT HARVEY

## ❖ Grants, Fellowships, and Awards

**Jacobo, Jason.** (2006-2007) Fulbright Scholarship. *International Institute of Education*, New York, NY.

**Tóke, Lilla.** (2006-2007) Global Soros Supplementary Grant, \$4000. *Open Society Inst.*, New York, NY.

## ❖ Singly Authored Publications/Research Reports/Reviews

**Jacobo, Jason.** (2006) Spectacular/Spectatorial Fear: Glimpses of the Translocal Imaginary in Asian Horror. In Lydia Yu-Jose (Ed.), *Negotiating Globalization in Asia* (pp. 317-31). Quezon City, Philippines: Ateneo Center for Asian Studies and Ateneo de Manila University Press.

**Razumova, Lyudmila.** (2007) Review of *Jean Cocteau*, by James Williams. *Contemporary French Civilization* 31(2):341-46.

**Tóke, Lilla.** (2006) Nunta de Piatră. In D. Iordanova (Ed.) *The Cinema of The Balkans (24 Frames)* (pp. 127-36). London: Wallflower Press.

## ❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

**Chen, I-Ju.** (2007) The Theme of Prostitution in Zola's *Nana* and Toulouse Lautrec's *Elles*. *Comparative Literary and Cultural Studies Faculty and Graduate Student Colloquium*. Stony Brook University, Stony Brook, NY.

**Chen, I-Ju.** (2007) Leave or Die: Renouncing the Other on Deserted Islands. *Fifth Annual Meeting of the Cultural Studies Association - Performativity Division*. Portland State University, OR.

**Chen, I-Ju.** (2007) The Other (Is)land and the Voyage Home. *Literary Odysseys: The Journey in and of Literature, Comparative Literature Graduate Conference*. University of Colorado at Boulder, CO.

**Chen, I-Ju.** (2007) Tunnels to Wonderland: From Philosophy of Science to Passages in Literature, Transgressing Boundaries: Interdisciplinary Dialogues. *The 19th Annual Stony Brook Graduate Conference*. Stony Brook University, Manhattan Site, NY.

**Foley, Ashar.** (2007) She'll come through it, the true golden gold: Waste and Riches in Edwin Chadwick's *Report on the Sanitary Condition of the Labouring Population of Great Britain* and Dickens' *Our Mutual Friend*. *Comparative Literary and Cultural Studies Faculty and Graduate Student Colloquium*. Stony Brook University, Stony Brook, NY.

**Hung, Tzu-hui.** (2007) Feeling for 'Comfort Women': Performing Human Rights Discourse in Asian/America. *The Fifth Annual Meeting of Cultural Studies Association*. Portland, OR.

**Hung, Tzu-hui.** (2007) Disidentifications on the 'Beautiful Island': Formosan Aborigines at the Interface of Colonial Contact. *The Fifth Annual Meeting of Cultural Studies Association*. Portland State University, Portland, OR.

- Jiang, Wentao.** (2007) Narrativity and Subjective Time -The Performance of an Eighteenth Century Chinese Text. *The 5<sup>th</sup> Annual Meeting of Cultural Studies Association*. Portland State University, Portland, OR.
- Jiang, Wentao.** (2006) The Telescope and the Macartney Embassy – An Archiving Project in China. *When China Meets the West – An International Symposium on Sinology and Sino-West Cultural Exchanges*. Zhejiang University, Hangzhou, China. (in absentia)
- Lu, Xiaoning.** (2007) Unmaking the Film Star in Chinese Socialist Cinema: Performance and Performativity. *Fifth Annual Meeting of Cultural Studies Association*. Portland, OR.
- Lu, Xiaoning.** (2007) Picturing Star in Chinese Socialist Cinema. *Sixteenth Annual Graduate Student Conference on East Asia*. Columbia University, NY.
- Lu, Xiaoning.** (2006) *Big Li, Young Li, and Little Li*: Mass Sport and Meta-Narrative of the Propagation of the New Physical Culture. *Comparative Literary and Cultural Studies Faculty and Student Colloquium*. Stony Brook University, NY.
- Razumova, Lyudmila.** (2007) Life Everlasting Based on a Mistake: Vicissitudes of Poetry in Nabokov's Prose. *Transformation, Translation, Transportation: Third Annual Graduate Poetry Symposium*. Princeton University, NJ.
- Skrodzka-Bates, Aga.** (2006) How East Central Europe Is Sabotaging the European Union: Embracing Periphery Against Modernity. *Comparative Literary and Cultural Studies Faculty and Graduate Student Colloquium*. Stony Brook, NY.
- Skrodzka-Bates, Aga.** (2007) Anna Acting Out: Reconstruction of East Central European Identity in Exile. *Society for Cinema and Media Studies Annual Conference*. Chicago, IL.
- Tóke, Lilla.** (2007) How Can You Fuck (with) the System? Sexual and Political Forces in *WR: Mysteries of an Organism* (1971). *Society for Cinema and Media Studies Annual Conference*. Chicago, IL.
- Shanbhag, Maya.** (2007) The Bachelor Hypochondriac and the Performative Diagnosis in Henry James's *The Beast in the Jungle*. *Cultural Studies Association, Panel Presentation*. Portland, OR.
- Staats, Hans.** (2007) Michael Winterbottom's *In This World*: Exilic and Diasporic Non-Fiction Filmmaking. *19<sup>th</sup> Annual Stony Brook University Graduate English Conference: Transgressing Boundaries: Interdisciplinary Dialogues*. Stony Brook Manhattan, New York, NY.

❖ **Post-Doctorates Obtained and Professional Appointments**

- DuBois, Marlene.** (2007) Assistant Professor. Department of English, *Suffolk County Community College*, Grant Campus, Brentwood, NY.
- Jiang, Wentao.** (2006-2007) Graduate Representative, Chinese Film & Literature Search Committee. Department of Comparative Literary and Cultural Studies, *Stony Brook University*, Stony Brook, NY.
- Skrodzka-Bates, Aga.** (2007) Assistant Professor (tenure-track). English Department, *Clemson University*, Clemson, SC.
- Skrodzka-Bates, Aga.** (2006-2007) Graduate Representative, Literary & Cultural Theory Search Committee. Department of Comparative Literary and Cultural Studies, *Stony Brook University*, Stony Brook, NY.
- Staats, Hans.** (2007) Graduate Representative, Digital Media/Cultural Studies Interdepartmental Search Committee. Department of Comparative Literary and Cultural Studies, *Stony Brook University*, Stony Brook, NY.

# ECOLOGY AND EVOLUTION

GRADUATE DIRECTOR: GEETA BHARATHAN, PH.D.

LEV GINZBURG, M.A.

DEPARTMENT CHAIR: JESSICA GUREVITCH

## ❖ Grants, Fellowships, and Awards

**Allen, Bengt J.** (2007) President's Award for Distinguished Doctoral Students, \$500. *Stony Brook University*, Stony Brook, NY.

**Allen, Bengt J.** (2006) Research Grant, \$2,422. *PADI Foundation*, Beverly Hills, CA.

**Arif, Saad.** (2006-2007) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.

**Banta, Joshua.** (2004-2007) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.

**Banta, Joshua.** (2006) Scholarship to attend 2<sup>nd</sup> Short Course on Design & Analysis of Plant Microarray Experimentation, \$750. *University of Alabama at Birmingham*, Birmingham, AL.

**Bourdeau, Paul.** (2007) Stephen and Ruth Wainwright Fellowship, \$1,500. *Friday Harbor Laboratories*, Friday Harbor, WA.

**Bourdeau, Paul.** (2006) Stephen and Ruth Wainwright Fellowship, \$2,500. *Friday Harbor Laboratories*, Friday Harbor, WA.

**Bourdeau, Paul.** (2006) Student Research Grant, \$500. *American Malacological Society*, Friday Harbor, WA.

**Brown, Leone.** (2006-2007) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.

**Cogni, Rodrigo.** (2006-2007) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.

**Dixon, Jennifer.** (2006-2007) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.

**Espinosa, Paola.** (2006-2007) Presidential Fellowship, \$4,000. *Stony Brook University*, Stony Brook, NY.

**Fisher-Reid, Caitlin.** (2006-2007) Presidential Fellowship, \$4,000. *Stony Brook University*, Stony Brook, NY.

**Gao, Jin.** (2006-2007) Presidential Fellowship, \$4,000. *Stony Brook University*, Stony Brook, NY.

**Gill, Aman.** (2006-2007) Presidential Fellowship, \$4,000. *Stony Brook University*, Stony Brook, NY.

**Gray, Sarah M.** (2006-2007) Presidential Fellowship, \$2500. *Stony Brook University*, Stony Brook, NY.

**Harnett, Roberta.** (2006-2007) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.

**Hickman, Jonathan E.** (2007) Doctoral Dissertation Improvement Grant, \$11,631. *National Science Foundation*. Washington, DC.

**Hickman, Jonathan E.** (2007) Christine Mirzayan Graduate Science and Technology Policy Fellowship, \$5,300. *The National Academies*. Washington, DC.

**Hickman, Jonathan E.** (2007) Sponsored Attendee, Summer Policy Colloquium, \$4,800 (waived registration fee). *American Meteorological Society*. Washington, DC.

**Hoch, Jeffrey Matthew.** (2006) Crustacean Society Student Research Fellowship, \$1000. *The Crustacean Society*, Lawrence, KA.

**Hoch, Jeffrey Matthew.** (2006) American Microscopical Society Summer Research Fellowship, \$700.

*American Microscopical Society, Stony Brook, NY.*

- Knowlton, Jessie.** (2006-2007) Presidential Fellowship, \$2,500. *Stony Brook University, Stony Brook, NY.*
- Lashbrook, Nicole.** (2006-2007) Presidential Fellowship, \$2,500. *Stony Brook University, Stony Brook, NY.*
- Menendez, Pablo.** (2006) Presidential Fellowship, \$1,250. *Stony Brook University, Stony Brook, NY.*
- Moen, Daniel S.** (2006-2007) Presidential Fellowship, \$2,500. *Stony Brook University, Stony Brook, NY.*
- Monzon, Javier.** (2006) W. Burghardt Turner Fellowship, \$10,000. *State University of New York at Stony Brook, Stony Brook, NY.*
- Monzon, Javier.** (2007) Honorable Mention in Graduate Research Fellowship Program. *National Science Foundation, Arlington, VA.*
- Monzon, Javier.** (2006-2007) Presidential Fellowship \$4,000. *Stony Brook University, Stony Brook, NY.*
- Natali, Susan M.** (2007) Doctoral Dissertation Improvement Grant, \$11,900. *National Science Foundation, Washington, DC.*
- Natali, Susan M.** (2006) Ruth Satter Award, \$1,000. *Association for Women in Science, Washington, DC.*
- Ng, Roccio.** (2006-2007) Presidential Fellowship \$4,000. *Stony Brook University, Stony Brook, NY.*
- Noto, Christopher R.** (2007) Research Grant, \$810. *Jurassic Foundation, Salt Lake City, UT*
- Noto, Christopher R.** (2007) President's Award for Excellence in Teaching by a Graduate Student, \$500. *Stony Brook University, Stony Brook, NY.*
- O'Donnell, Kelly.** (2006-2007) Presidential Fellowship \$2,500. *Stony Brook University, Stony Brook, NY.*
- Oikawa, Patricia.** (2007) Biosphere-Atmosphere Research and Training Program, \$30,000. *NSF-IGERT through the University of Michigan, Ann Arbor, MI.*
- Oikawa, Patricia.** (2006-2007) Presidential Fellowship \$2,500. *Stony Brook University, Stony Brook, NY.*
- Ostrowski, Summer.** (2006-2007) Presidential Fellowship \$2,500. *Stony Brook University, Stony Brook, NY.*
- Ruggiero, David.** (2006-2007) Presidential Fellowship \$2,500. *Stony Brook University, Stony Brook, NY.*
- Sabatino, Stephen.** (2006-2007) Presidential Fellowship \$4,000. *Stony Brook University, Stony Brook, NY.*
- Silva, Natalia.** (2006-2007) Presidential Fellowship \$4,000. *Stony Brook University, Stony Brook, NY.*
- Thompson, Emily.** (2006-2007) Presidential Fellowship \$4,000. *Stony Brook University, Stony Brook, NY.*
- Tran, J. Khai.** (2006-2007) Presidential Fellowship \$2,500. *Stony Brook University, Stony Brook, NY.*
- Ulloa, Carolina.** (2006-2007) Presidential Fellowship \$4,000. *Stony Brook University, Stony Brook, NY.*
- Velasquez-Tibata, Jorge.** (2006-2007) Presidential Fellowship \$2,500. *Stony Brook University, Stony Brook, NY.*
- Walls, Ramona.** (2006-2007) Presidential Fellowship. \$2500. *Stony Brook University, Stony Brook, NY.*
- Walls, Ramona.** (2007) Vernon Cheadle Travel Award. \$500. *Botanical Society of America, St Louis, MI.*
- Walls, Ramona.** (2007) Williams Award. \$500. *Stony Brook University Department of Ecology and Evolution, Stony Brook, NY.*
- Woo, Eliza.** (2007) Madeline Fusco Fellowship, \$4,000. *Stony Brook University, Stony Brook, NY.*
- Yule, Jeffrey.** (2006-2007) Presidential Fellowship \$2,500. *Stony Brook University, Stony Brook, NY.*

### ❖ Singly Authored Publications/Research Reports/Reviews

**Moen, Daniel S.** (2006) Cope's rule in cryptodiran turtles: do the body sizes of extant species reflect a trend of phyletic size increase? *Journal of Evolutionary Biology* 19:1210-1221.

### ❖ Jointly Authored Publications/Research Reports/Reviews

**Allen, Bengt J.**, and Levinton, J.S. (2007) Costs of bearing a sexually selected ornamental weapon in a fiddler crab. *Functional Ecology* 21:154-161.

**Gray, Sarah M.**, T.E. Miller, N. Mouquet, and T. Daufresne. (2006) Nutrient limitation in *Sarracenia purpurea* microcosms. *Hydrobiologia* 573:173-181.

Padilla, D.K., and **Gray, Sarah M.** (2006) Risk assessment for aquarium releases and other aquatic invaders: where do we start? *SETAC Newsletter November*. (invited article)

**Hickman, Jonathan E.**, and Lerdau, M. (2006) Nitrogen fixation by kudzu: impacts on invaded communities and ecosystems. *Ecological Restoration* 24:200-201.

**Moen, Daniel S.**, and Stockwell, C.A. (2006) Specificity of the monogenean *Gyrodactylus tularosae*, Kritsky and Stockwell, 2005, to its natural host, the White Sands pupfish (*Cyprinodon tularosa*, Miller and Echelle 1975). *Comparative Parasitology* 73:278-281.

Wiens, J.J., Graham, C.H., **Moen, Daniel S.**, Smith, S.A., and Reeder, T.W. (2006) Evolutionary and ecological causes of the latitudinal diversity gradient in hylid frogs: treefrog trees unearth the roots of high tropical diversity. *American Naturalist* 168:579-596.

Richards, C.L., Bossdorf, O., **Muth, Norris Z.**, Gurevitch, J., and Pigliucci, M. (2006) Jack of all trades, master of some? On the role of phenotypic plasticity in plant invasions. *Ecol Lett* 9:981-993.

Fang, W., Taub, D.R., Fox, G.A., Landis, R.M., **Natali, Susan M.**, and Gurevitch, J. (2006) Sources of variation in growth, form and survival in dwarf and normal-stature pitch pines (*Pinus rigida*, Pinaceae), in long-term transplant experiments. *American Journal of Botany* 93(8):1125-1133.

Mackie J., **Natali, Susan M.**, Levinton, J.S., and Sañudo-Wilhelmy, S.A. (in press) Metal levels in water, sediment and crabs from Foundry Cove, NY: an assessment of residual pollution following environmental remediation of a Superfund site. *Environmental Pollution*.

Jonas, M., **Noto, Christopher R.**, Woo, Eliza, and Miyazaki, J.M. (2006) *Foundations of Scientific Research: BIO150 Course Manual* (8<sup>th</sup> Ed.). Lisle, IL: Pacific Crest.

Moen, Daniel S., and **Stockwell, C.A.** (2006) Specificity of the monogenean *Gyrodactylus tularosae*, Kritsky and Stockwell, 2005, to its natural host, the White Sands pupfish (*Cyprinodon tularosa*, Miller and Echelle 1975). *Comparative Parasitology* 73:278-281.

Jonas, M., Miyazaki, J., Noto, C.R., and **Woo, Eliza.** (2007) *Foundations of Scientific Research*. Lisle, IL: Pacific Crest.

### ❖ Abstracts, Conferences/Colloquia, Presentations, Symposia, Workshops

**Allen, Bengt J.** (2006) Condition-dependent tenure at breeding sites by male fiddler crabs. *Western Society of Naturalists*. Seattle, WA.

Shuja, Z., Bossdorf, O., and **Banta, Joshua.** (2006) Chemically mediated interactions between *rabidopsis thaliana* and its competitors. *Society for the Study of Evolution Annual Meeting*. Stony Brook, NY.

- Banta, Joshua**, Dole, J., Cruzan, M., and Pigliucci, M. (2007) Evidence of local adaptation to spatially course-grained environmental variation in *Arabidopsis thaliana*. *Stony Brook University Department of Ecology and Evolution Annual Retreat, Presentation*. Setauket, NY.
- Bourdeau, Paul**. (2006) Species-specific and predator-dependent inducible defenses in predatory snails, *Nucella* spp. *Benthic Ecology Meeting*. Quebec City, Quebec, Canada.
- Bourdeau, Paul**. (2006) Defensive trait integration in three sympatric, congeneric marine snails, *Nucella* spp., differentially distributed across a predation risk gradient. *Annual Conference of the American Malacological Society*. Seattle, WA.
- Cogni, Rodrigo**. (2007) Foraging ecology and recruitment behavior in the neotropical ant *Gnamptogenys moelleri* (Formicidae: Ponerinae). *International Union for Study of Social Insect Congress*. Washington, DC.
- Gray, Sarah M.**, and Padilla, D.K. (2006) Invasive ecosystem engineers: the effects of oysters on rocky intertidal habitat. *Ecological Society of America Annual Meeting*. Memphis, TN.
- Hickman, Jonathan E.**, and Lerdau, M. (2007) Impact of kudzu (*Pueraria montana* var. *lobata*) on soil nitrogen and soil microbial communities. *18th USDA Interagency Research Forum on Invasive Species*. Annapolis, MD. (invited talk)
- Hickman, Jonathan E.**, and Lerdau, M. (2006) N-fixation by kudzu (*Pueraria montana*): impacts on nitrogen cycling and soil microbial communities by an invasive vine. *Annual Meeting of the Ecological Society of America*. Memphis, TN. (poster)
- Hickman, Jonathan E.**, and Lerdau, M. (2006) N-fixation by kudzu (*Pueraria montana*): impacts on nitrogen cycling and soil microbial communities by an invasive vine. *Joint Workshop on NASA Biodiversity, Terrestrial Ecology, and Related Applied Sciences*. Washington, DC. (poster)
- Hoch, Jeffrey Matthew**. (2006) Variation in barnacle penis characteristics and implications for sex allocation. *Evolution Meeting*. Stony Brook, NY.
- Hoch, Jeffrey Matthew**. (2007) Development and functional variation of barnacle penis morphology. *Society for Integrative and Comparative Biology Annual Meeting*. Phoenix, AZ.
- Jensen, Christopher**. (2006) Predators versus Parasites: A Consumer-Resource Distinction? *Evolution Annual Meeting*. Stony Brook, NY.
- Jensen, Christopher**. (2006) Predators versus Parasites: A Consumer-Resource Distinction? *Ecological Society of America Annual Meeting*. Memphis, TN.
- Muth, Norris Z.**, and Niesenbaum, R.A. (2007) Reduced survivorship of soil pupating herbivores of spicebush (*Lindera benzoin*) via black walnut (*Juglans nigra*) allelochemistry: a case of associational resistance. *Gordon Conference – Plant-herbivore Interactions*. Ventura, CA.
- Muth, Norris Z.** (2007) Great Escapes: alien invasions and exotic communities. *Colgate University*. Hamilton, NY. (Invited seminar)
- Muth, Norris Z.** (2007) Great Escapes: alien invasions and exotic communities. *Juniata College*. Huntingdon, PA. (invited seminar)
- Muth, Norris Z.**, and Niesenbaum, R.A. (2006) Reduced herbivory of *Lindera benzoin* growing in proximity to *Juglans nigra*: associational resistance mediated by an allelopathic compound? *Ecological Society of America*. Memphis, TN.
- Natali, Susan M.**, Lerdau, M.T., and Sañudo-Wilhelmy, S.A. (2006) Elevated CO<sub>2</sub> effects on mercury content of forest soils. *American Geophysical Union Fall Meeting*. San Francisco, CA. (poster)
- Natali, Susan M.** (2006) CO<sub>2</sub> effects on Hg cycling in two temperate forests. *Department of Energy Graduate Research Environmental Fellowship Conference*. Washington DC. (oral)

## Ecology and Evolution

- Natali, Susan M.**, Lerda, M.T., and Sañudo-Wilhelmy, S.A. (2006) Elevated CO<sub>2</sub> decreases trace metal concentrations in leaves and increases trace metals in soils. *Ecological Society of America 91st Annual Meeting*. Memphis, TN. (poster)
- Noto, Christopher R.** (2007) Environmental control of vertebrate preservation over space and time. *Ecology and Evolution Annual Retreat*. Stony Brook, NY.
- Noto, Christopher R.** (2006) Review of Thunderlizards: The Sauropodomorph Dinosaurs edited by Virginia Tidwell and Kenneth Carpenter. *The Quarterly Review of Biology* 81:386.
- Noto, Christopher R.** (2006) The paleobiological implications of climatic influence over vertebrate fossil distribution patterns. *Society of Vertebrate Paleontology Annual Meeting*. Ottawa, Canada.
- Oikawa, Patricia.** (2007) Methanol emission response to simulated herbivory in White pine and Big tooth aspen. *Plant-Herbivore Gordon Research Conference*. Ventura, CA. (poster)
- Oikawa, Patricia.** (2007) Land-Atmosphere Interactions. *Marie Curie-iLEAPS Training Course*. Hyyiala, Helsinki/Finland. (workshop)
- Walls, Ramona**, and R. Geeta. (2006) Leaf venation and the relationship between form and function in *Dioscorea*. *Botanical Society of America Annual Meeting*. Chico, CA. (presentation)
- Woo, Eliza** (2006) Understanding seed dispersal effectiveness on the invasion of *Juniperus bermudiana* in Hawai'i. *Ecological Society of America*. Memphis, TN. (poster)
- Yeh, S.-D**, Gleason, J., and True, J.R. (2006) Courtship Song Evolution of the Oriental *Drosophila melanogaster* Species Group. *Evolution 2006*. Stony Brook University, Stony Brook, NY.

### ❖ Post-Doctorates Obtained and Professional Appointments

- Acquire, Windsor.** (2007) Post Doctoral Fellow. Graduate School, *Stony Brook University*, New York.
- Allen, Bengt J.** (2007) Assistant Professor of Marine Ecology. Department of Biological Sciences, *California State University, Long Beach*, Long Beach, CA.
- Brisson, Dustin.** (2007) Assistant Professor of Disease. Ecology, *University of Pennsylvania*, Philadelphia, PA.
- Gotsch, Sybil.** (2007) Research Associate. Botany Department, *North Carolina State University*, Raleigh, NC.
- Jensen, Christopher.** (2007) Assistant Professor. Department of Math and Science, *Pratt Institute*, Brooklyn, NY.
- Hoch, Jeffrey Matthew** (2006) Board of Directors. *The Friends of Flax Pond*, Old Field, NY.
- Muth, Norris Z.** (2007) Assistant Professor of Plant Biology. Biology Department, *Juniata College*, Huntingdon, PA.
- Stoebel, Daniel.** (2007) Post Doc. Department of Microbiology, *Trinity College*, Dublin, Ireland.
- Travis, Matthew.** (2007) Assistant Professor. Biology Department, *Rowan University*, NJ.
- Yule, Jeffrey.** (2007) Assistant Professor. Biology and Environmental Sciences, *Louisiana Tech*, Ruston, LA.



# ECONOMICS

GRADUATE DIRECTOR: SANDRO BRUSCO  
DEPARTMENT CHAIR: WARREN SANDERSON

## ❖ Singly Authored Publications/Research Reports/Reviews

- Chen, Jie.** (2006) GSO sponsorship of the Research Access Program (RAP), \$56. *Graduate Student Organization*, Stony Brook University, NY.
- Chen, Jie.** (2006) GSEU Grant, \$316.09. *Graduate Student Employee Union*, Stony Brook University, NY.
- Liu, Hong.** (2006-2007) GSEU Professional Development Funding. *Stony Brook University*, Stony Brook, NY.
- Liu, Hong.** (2006-2007) Research Access Program Travel Grants. *Graduate School, Stony Brook University*, Stony Brook, NY.
- Liu, Zhen.** (2007) Outstanding Doctoral Student Paper award. *American Accounting Association Mid-Atlantic Regional Meeting*. Parsippany, NJ.
- Moore, Miranda.** (2007) Research Access Program, \$250. *Graduate Student Organization*, Stony Brook, NY.
- Moore, Miranda.** (2007) Professional Development Fund, \$200. *Graduate Student Employees Union*, Stony Brook, NY.

## ❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

- Chen, Jie.** (2006) Employer's Decision to Offer Health Plan Choices. *Eastern Economics Association Conference*. Philadelphia, PA.
- Chen, Jie.** (2006) The Role of Physicians' Practice Setting and Freedom on Income by Partha Bhattacharyya, *Eastern Economics Association Conference*. Philadelphia, PA.
- Chen, Jie.** (2006) Initiation and Addiction: An Analysis of Adolescent Smoking Behavior by Mir M. Ali. *Eastern Economics Association Conference*. Philadelphia, PA.
- Chen, Jie.** (2006) Reputation Construction in Principal Agent Model. *Southern Economics Association Conference*. Philadelphia, US.
- Chen, Jie.** (2006) Once Bittern, Twice Shy? Physician Responses to Malpractice Lawsuits by Scott Hankins. *Southern Economics Association Conference*. Philadelphia, PA.
- Liu, Hong.** (2007) The Impact of Consumerism on the Demand for Health Services. *Eastern Economic Association Annual Conference*, New York, NY.
- Liu, Hong.** (2006) The Impact of Consumerism on the Demand for Health Services. *Southern Economic Association Annual Conference*. Charleston, SC.
- Liu, Hong.** (2006) Obesity and Labor Market Outcomes. *Southern Economic Association Annual Conference*. Charleston, SC.
- Liu, Zhen.** (2006/2007) Fair Disclosure and Asymmetric Investor Awareness in Stock Markets. *The 17<sup>th</sup> International Conference on Game Theory*. Stony Brook, NY; *2006 Economic Association Annual conference*, New York City, NY; and *The 2007 American Accounting Association Mid-Atlantic Regional Meeting*, Parsippany, NJ; *The 2007 American Accounting Association Northeast*

## Economics

*Regional Meeting, Hartford, CT; (2007) The 25<sup>th</sup> Conference of Economists of the Society for the Advance of Behavioral Economics, New York, NY.*

**Moore, Miranda.** (2007) Dynamic Female Labor Supply and the Role of Fertility Shocks. *Eastern Economic Association, Presentation.* New York, NY.

**Moore, Miranda.** (2006) The Impact of Disabled Children on Mother's Labor Supply. *62 International Atlantic Economic Conference.* Philadelphia, PA. (Presentation)

**Nesterenko, Anna.** (2007) Sketchy Employment History and Labor Market Outcomes. *33<sup>rd</sup> Annual Meeting of the Eastern Economic Association.* New York, NY.

# ELECTRICAL AND COMPUTER ENGINEERING

GRADUATE DIRECTOR: YUAN YUAN YANG  
DEPARTMENT CHAIR: SERGE LURYI

## ❖ Grants, Fellowships, and Awards

**Wei, Ying.** (2006) Sensor Consortium, 3,000\$. *Consortium for Security and Medical Sensor Systems sponsored by NSF Partnerships for Innovation.* Stony Brook, NY.

## ❖ Jointly Authored Publications/Research Reports/Reviews

**Kallakuri, Santosh,** and Doholi, A. (2007) Customization of Arbitration Policies and Buffer Space Distribution Using Continuous-Time Markov Decision Processes. *IEEE Transactions on Very Large Scale Integration* 15(2):240-245.

**Kulkarni, Santosh, Khurd, P., Hsiao, I., Zhou, L., and Gindi, G.** (2007) A Channelized Hotelling Observer Study of Lesion Detection in SPECT MAP Reconstruction Using Anatomical Priors. *Physics in Medicine and Biology* 52(12):3601-3617.

Kulkarni, Santosh, **Khurd, P., Hsiao, I., Zhou, L., and Gindi, G.** (2007) A Channelized Hotelling Observer Study of Lesion Detection in SPECT MAP Reconstruction Using Anatomical Priors. *Physics in Medicine and Biology* 52(12):3601-3617.

Kulkarni, Santosh, Khurd, P., Hsiao, I., **Zhou, L.,** and Gindi, G. (2007) A Channelized Hotelling Observer Study of Lesion Detection in SPECT MAP Reconstruction Using Anatomical Priors. *Physics in Medicine and Biology* 52(12):3601-3617.

## ❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

**Khurd, P., Zhou, L., Rangarajan A., and Gindi G.** (2006) Aperture Optimization in Emission Imaging Using Optimal LROC Observers. *2006 IEEE Nuclear Science Symposium & Medical Imaging Conference*, M03-6. San Diego, CA.

Zhou, L., **Khurd, P.,** and Gindi, G. (2007) Optimization of Pinhole Emission Imaging Systems for Small Animal Imaging. *The 33<sup>rd</sup> Annual Northeast Bioengineering Conference*: 94-95. Stony Brook, NY.

**Lim, Taeyoung,** and Robertazzi, T.G. (2006) Efficient Parallel Video Processing Through Concurrent Communication on a Multi-port Star Network. *Conference on Information Sciences and Systems (CISS)*. Princeton University, NJ.

Khurd, P., **Zhou, L.,** Rangarajan A., and Gindi G. (2006) Aperture Optimization in Emission Imaging Using Optimal LROC Observers. *2006 IEEE Nuclear Science Symposium & Medical Imaging Conference*, M03-6. San Diego, CA.

**Zhou, L.,** Khurd, P., and Gindi, G. (2007) Optimization of Pinhole Emission Imaging Systems for Small Animal Imaging. *The 33<sup>rd</sup> Annual Northeast Bioengineering Conference*: 94-95. Stony Brook, NY.

## Electrical and Computer Engineering

### ❖ Post-Doctorates Obtained and Professional Appointments

**Kallakuri, Sankalp.** (2007) Adjunct Lecturer. ECE Department, *Stony Brook University*, Stony Brook, NY.

### ❖ Internship Appointments

**Lim, Taeyoung.** (2007) Student Assistant. *Brookhaven National Laboratory (BNL)*, Upton, NY.

# ENGLISH

GRADUATE DIRECTOR: CELIA MARSHIK  
DEPARTMENT CHAIR: PETER MANNING

## ❖ Singly Authored Publications/Research Reports/Reviews

- DeFazio, Kimberly.** (2007) Transnational Urbanism and the Imperatives of Capital. *Fronesis* (in press).
- Devlin, Paul.** (2007) Albert Murray at 90. *The Antioch Review* 65(2).
- Devlin, Paul.** (in press) "Dublin Meanings": The United States South in *Finnegan's Wake*. *Southern Spaces*.
- Devlin, Paul.** (in press) George W. Johnson, Lou Rawls, Valaida Snow, Pigfoot Mary, Calvin Peete, Eric Reed, Slide Hampton, Leon Huff, Sly Stone, Bob McAdoo, Barzillai Lew, and Butterbeans Edwards. In Henry Louis Gates Jr., and Evelyn Brooks Higginbotham (Eds.), *African American National Biography*. Oxford: Oxford University Press.
- Devlin, Paul.** (2007) Albert Murray and Visual Art. In Barbara Baker (Ed.), *Albert Murray and the Aesthetic Imagination of a Nation*. University of Tuscaloosa, AL: Alabama Press.
- Marcelo, Leon.** (2006) Creepy Crawls: A Horror Fiend's Travel Guide. Santa Monica Press: Santa Monica, CA.
- Stormont, Craig.** (2007) Charles Olson: The Political Ego Condemned. *Flashpoint Magazine: A Multidisciplinary Journal in the Arts and Politics* 9.

## ❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

- Choi, Junghan.** (2006) Class Anxiety and the Psychological State of Orphans in the 19<sup>th</sup> Century: The Story of Lucy Snowe. *New Voices Graduate Student Conference*. Georgia State University, Atlanta, GA.
- Choi, Junghan.** (2007) An Orphan's Resistance in Wilkie Collins's No Name. *Transgressing Boundaries: Interdisciplinary Conference*. Stony Brook University, Stony Brook, NY.
- Choi, Junghan.** (2007) No Name, No Class, No Identity: Female Orphans that Threaten Victorian Families. *Another Way In: The unseen influences that change our worlds*. Boston College, Chestnut Hill, MA.
- Choi, Junghan.** (2007) George Eliot's New Victorian Family: "we are a family of orphans." UCR Conference: *Disjunctions 2007: Malappropriation Nation*. University of California, Riverside, CA.
- Devlin, Paul.** (2006) "Dublin Meanings": The United States South in *Finnegan's Wake*. *MLA Convention*. Philadelphia, PA.
- Devlin, Paul.** (2007) You Can Have Watergate, Just Gimme Some Bucks and I'll be Straight: James Brown's Richard Nixon. *MLA Convention*. Chicago, IL. (abstract accepted)
- Hankinson, Kathleen.** (2007) Texts and Contexts for Sanctified Suffering: Captivity in Catherine Tekakwitha: Her Life. *Trans, Pan Inter: Cultures in Contact, American Comparative Literature Association Annual Meeting*. Puebla, Mexico (accepted); *Joint Society of Early Americanists*

## English

*Fifth Biennial/Omohundro Institute of Early American History and Culture 13<sup>th</sup> Annual Conference at the College of William and Mary, Williamsburg, VA.*

- Hankinson, Kathleen.** (2007) Co-chair, "Transgressing Boundaries": The 2007 Stony Brook University Graduate English Conference. Stony Brook Manhattan, New York, NY.
- Neefe, Lauren.** (2007) Choosing the Front of the Bus: Power, Risk, and Identity in the Writing Classroom. *Conference on College Composition and Communication.* New York, NY.
- Walsh, Rachel.** (2006) Abortions of Affect: Shame and Maternity in Mike Leigh's Vera Drake. *Film and Literature Association Conference.* Towson University, Baltimore, MD.
- Walsh, Rachel.** (2007) Perverted Conversions: The Body, The Image, and Sovereignty at Abu Ghraib. *Cultural Studies Association Conference.* Portland, OR.
- Walsh, Rachel.** (2007) Fashionable Empathy: Neo-colonial Imaginings of Post-colonial Africa. Empathy and Ethics. *College English Association Annual Conference.* New Orleans, LA.

# GENETICS

GRADUATE DIRECTOR: GERALD THOMSEN

## ❖ Grants, Fellowships, and Awards

- Cutter, Noelle.** (2006) Brookhaven Women in Science Award, \$2000. *Brookhaven National Laboratory*, Upton, NY.
- Okan, Nihal A.** (2006) ASM Travel Grant, \$500. *American Society of Microbiology*, Washington, DC.
- Papazoglu, Cristian.** (2006) Stony Brook University Chapter of Sigma Xi International Research Society, Travel Award, *Stony Brook University*, Stony Brook, NY.
- Papazoglu, Cristian.** (2006) Kevin King/John Miller Travel Scholarship Award. *Stony Brook University*, Stony Brook, NY.
- Platz, Gabrielle J.** (2006) ASM Travel Grant, \$500. *American Society of Microbiology*, Washington, DC.
- Siolas, Despina.** (2007) Women in Cancer Research Brigid A. Leventhal Scholars Award, \$1000. *American Association of Cancer Research*, Philadelphia, PA.
- Zhao, Zhen.** (2007) AACR-Merck Scholar-in-Training Award, \$1,000. *American Association of Cancer Research*, Los Angeles, CA.

## ❖ Jointly Authored Publications/Research Reports/Reviews

- Alvarez, Francisco Javier,** and Konopka, J.B. (2006) Identification of an N-Acetylglucosamine Transporter That Mediates Hyphal Induction in *Candida albicans*. *Molecular Biology of the Cell* 8:965-975.
- Zhou, G., Bennett, P.V., **Cutter, Noelle L.**, and Sutherland, B.M. (2006) Proton-HZE-particle sequential dual-beam exposures increase anchorage-independent growth frequencies in primary human fibroblasts. *Radiation Research* 166(3):488-94.
- Bennett, P.V., **Cutter, Noelle L.**, and Sutherland, B.M. (2007) Split-dose exposures versus dual ion exposure in human cell neoplastic transformation. *Radiation and Environmental Biophysics* 46(2):119-123
- Dame, Tarah M.**, Orenzoff, B.L., Palmer, L.E., and Furie, M.B. (2007) IFN- $\gamma$  alters the response of *B. burgdorferi*-activated endothelium to favor chronic inflammation *The Journal of Immunology* 178:1172-1179.
- DeRosa, Adam M.**, Mui, R., Srinivas, M., and White, T.W. (2006) Functional characterization of a naturally occurring Cx50 truncation *Investigative Ophthalmology and Visual Science* 47(10):4474-81.
- Xia, C.H., Cheung, D., **DeRosa, Adam M.**, Chang, B., Lo, W.K., White, T.W., and Gong, X. (2006) Related Articles, Knock-in of alpha3 connexin prevents severe cataracts caused by an alpha8 point mutation. *Journal of Cell Science* 119(Pt 10):2138-44.
- Hoptak, A., Klein, K., **DeRosa, Adam M.**, White, T.W., and Iovine, M.K. (2007) Missense mutations in zebrafish Connexin43 leads to defective gap junctional intercellular communication. *FEBS Letters*. (in press)

- Gerido, D.A., **DeRosa, Adam M.**, Richard, G., and White, T.W. (2007) Aberrant hemichannel properties of Cx26 mutations causing skin disease and deafness. *The American Journal of Physiology* 293: C337-C345.
- Freudenberg, Jaclyn A.**, and Chen, W-T. (2007) Induction of Smad1 by MT1-MMP Contributes to Tumor Growth. *International Journal of Cancer* 121(5):966-77.
- Freudenberg, Jaclyn A.**, and Chen, W-T. (2007) MT1-MMP-Mediated Tumor Progression. In C. Tang (Ed.), *Recent Progress in Cancer Research*. India: Research Signpost.
- Zhong, N., **Gersch, Robert P.**, and Hadjiargyrou, M. (2006) Wnt signaling activation during bone regeneration and the role of Dishevelled in chondrocyte proliferation and differentiation. *Bone* 39:55-16.
- Qi, Y., **He, Xingyue**, Wang, X.J., Kohany, O., Jurka, J., and Hannon, G.J. (2006) Distinct catalytic and non-catalytic roles of ARGONAUTE4 in RNA-directed DNA methylation. *Nature* 443(7114):1008-12.
- Janssens, H., Hou, S., **Jaeger, Johannes**, Kim, A., Myasnikova, E., Sharp, D.H., and Reinitz, J. (2006) Quantitative and predictive model of transcriptional control of the *Drosophila melanogaster even-skipped* gene. *Nature Genetics* 38:1159-65.
- Jaeger, Johannes**, and Reinitz, J. (2006) On the dynamic nature of positional information. *BioEssays* 28:1102-1111.
- Jaeger, Johannes**, Sharp, D.H., and Reinitz, J. (2007) Known maternal gradients are not sufficient for the establishment of gap domains in *Drosophila melanogaster*. *Mechanisms of Development* 124:108-128.
- Londin, Eric R.**, Mentzer, L., Gates, K.P., and Sirotkin H.I. (2007) Expression and regulation of the zinc finger transcription factor Churchill during zebrafish development. *Gene Expr. Patterns* 7(6):645-50.
- Mese, Gulistan**, Richard, G. and White, T.W. (2007) Gap Junctions: Basic Structure and Function. *Journal of Investigative Dermatology*. (in press)
- Nolan, Daniel J.**, Ciarrocchi, A., Mellick, A. S., Jaggi, J.S., Bambino, K., Gupta, S., Heikamp, E., McDevitt, M. R., Scheinberg, D.A., Benezra, R., and Mittal, V. (2007) Bone Marrow-derived endothelial progenitor cells are a major determinant of nascent tumor neovascularization. *Genes and Development*. (in press)
- Mittal, V., **Nolan, Daniel J.** (2007) Genomics and proteomics approaches in understanding tumor angiogenesis. *Future Drugs, Expert Review of Molecular Diagnostics* 7(2):133-147.
- Jaggi, J., Henke, E., Seshan, S., Kappel, B., Chattopadhyay, D., May, C., McDevitt, M., **Nolan, Daniel J.**, Mittal, V., Benezra, R., and Scheinberg, D. (2007) Selective alpha-particle mediated depletion of tumor vasculature with vascular normalization. *PLoS One* 2(3): e267. in press)
- Aranda, V., Haire, T., **Nolan, Marissa E.**, Calarco, J. P., Rosenberg, Avi Z., Fawcett, J. P., Pawson, T., and Muthuswamy, S.K. (2006) Par6-aPKC uncouples ErbB2 induced disruption of polarized epithelial organization from proliferation control *Nat Cell Biol* 8(11):1235-45.
- Dulebohn D., Choy J., Sundermeier T., **Okan, Nihal A.**, and Karzai, W. K. (2007) Trans-Translation: The tmRNA-Mediated Surveillance Mechanism for Ribosome Rescue, Directed Protein Degradation, and Nonstop mRNA Decay. *Biochemistry* 46(16):4681-93.
- Bagchi, A., **Papazoglu, Cristian**, Wu, Y., Capurso, D., Brodt, M., Francis, D., Bredel, M., Vogel, H., and Mills, A.A. (2007) CHD5 is a Tumor Suppressor at Human 1p36. *Cell* 128(3):459-75.
- Papazoglu, Cristian**, and Mills, A.A. (2007) p53: At the Crossroad Between Cancer and Ageing. *Journal of Pathology* 211(2):124-33.
- Gil, H., **Platz, Gabrielle J.**, Forestal, C., Monfett, M., Bakshi, C.S., Sellati, T., Furie, M., Benach, J., and Thanassi, D. (2006) Deletion of TolC orthologs in *Francisella tularensis* identifies roles in



multidrug resistance and virulence. *PNAS* 34:12897-12902.

- Tegay, D.H., Lane, A.H., **Roohi, Jasmin**, and Hatchwell, H. (2007) Contiguous gene deletion involving LICAM and AVPR2 causes X-linked hydrocephalus with nephrogenic diabetes insipidus. *Am J Med Genet A* 146(6):594-598.
- Aranda, V., Haire, T., Nolan, Marissa E., Calarco, J. P., **Rosenberg, Avi Z.**, Fawcett, J. P., Pawson, T., and Muthuswamy, S.K. (2006) Par6-aPKC uncouples ErbB2 induced disruption of polarized epithelial organization from proliferation control *Nat Cell Biol* 8(11):1235-45.
- Citovsky, V., Kozlovsky, S., Lacroix, B., Zaltsman, A., Dafny-Yelin, M., Vyas, S., **Tovkach, Andriy**, and Tzfira, T. (2007) Biological systems of the host cell involved in Agrobacterium infection. *Cellular Microbiology* 9(1):9-20.
- VanderZwan-Butler, Christine J.**, Prazak, L.M., and Gergen, J.P. (2006) The HMG-box protein Lilli is required for Runt-dependent activation of the pair-rule gene *fushi tarazu*. *Developmental Biology* 301:350-60.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Alvarez, Francisco Javier.** (2006) Proteomic comparison of plasma membrane proteins in *C. albicans* buds and hyphae. 8<sup>th</sup> *Candida and Candidiasis*. Denver, CO.
- Sutherland, B.M., Bennett, P.V., **Cutter, Noelle L.**, and Zhou, G. (2006) Human cell transformation by space-stimulating mixed ion irradiations. *NASA Human Research Health Program*. Houston, TX.
- White, T.W., **DeRosa, Adam M.**, Sellitto, C., Cheung, D., Xia, C.H., and Gong, X. (2006) Rescue of a Semi-Dominant Connexin50 Cataract (Lop10) by Knockin of Wild-Type Connexin46. *The Annual Meeting of the Association for Research in Vision and Ophthalmology*. Fort Lauderdale, FL.
- DeRosa, Adam M.**, Mui, R., White, T.W., and Gong, X. (2006) Electrophysiological properties of gap junctions expressing a naturally occurring Cx50 mutation. *The Annual Meeting of the Association for Research in Vision and Ophthalmology*. Fort Lauderdale, FL.
- DeRosa, Adam M.**, Xia C-H., Gong X., and White T.W. (2007) The Cx50-S50P mutation dominantly alters wild-type Cx46 channel gating. *The Annual Meeting of the Association for Research in Vision and Ophthalmology*. Fort Lauderdale, FL.
- Gersch, Robert P.**, and Hadjiargyrou, M. (2006) Function Perturbation of Mustang in Chondrocytes. *ASBMR*. Philadelphia, PA.
- Gersch, Robert P.**, and Hadjiargyrou, M. (2006) The Characterization of Mustang in Chondrogenesis *in vitro*. *NEBMES*. Stony Brook, NY.
- Londin, Eric R.**, and Sirotkin, H.I. (2006) The zinc finger protein Churchill regulates mesoderm specification in zebrafish. 7<sup>th</sup> *International Meeting on Zebrafish Development and Genetics*. Madison, WI.
- Londin, Eric R.**, and Sirotkin, H.I. (2006) Churchill regulates mesoderm specification and cell movements in zebrafish. *Connecticut Valley Zebrafish Meeting*. University of Massachusetts, Amherst, MA.
- Londin, Eric R.**, Mentzer, L, and Sirotkin, H.I. (2007) The zinc finger protein Churchill in zebrafish neural and mesodermal cell fate. *Quarterly Meeting of the New York Metropolitan Zebrafish Club*. New York, NY.
- Nolan, Daniel J.**, Ciarrocchi, A., Mellick, A.S., Jaggi, J.S., Bambino, K., Gupta, S., Heikamp, E., McDevitt, M.R., Scheinberg, D.A., Benezra, R., and Mittal, V. (2007) Bone Marrow-derived endothelial progenitor cells are a major determinant of nascent tumor neovascularization. *Keystone Symposia: Host Cell Interaction and Response to the Cancer Cell*. Denver, CO.

- Nolan, Marissa E.**, Basu, S., and Muthuswamy, S.K. (2006) Biological effects of Par6 over-expression in mammary epithelia. *Mechanisms and Models of Cancer*. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.
- Okan, Nihal A.**, Bliska, J.B., and Karzai, W.K. (2006) Role of the SmpB-SsrA system in *Yersinia* spp. pathogenesis. *American Society of Microbiology General Meeting*. Orlando, FL.
- Papazoglu, Cristian**, and Mills, A.A. (2006) Investigating the molecular and genetic mechanisms of p63 isoforms in mouse primary keratinocytes using an RNAi approach. *13th Annual p53 Workshop*. Columbia University, New York, NY.
- Papazoglu, Cristian**, Keyes, W.M., and Mills, A.A. (2006) Defining the role of p63 isoforms in modulating cellular senescence. *Mechanisms & Models of Cancer*. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.
- Platz, Gabrielle J.**, Hil, H., Forestal, C., Furie, M., Benach, J., and Thanassi, D. (2006) Decreased Pathogenesis of a *Francisella tularensis* TolC Mutant. *American Society for Microbiology 106<sup>th</sup> General Meeting*. Orlando, FL.
- Platz, Gabrielle J.**, Hil, H., Forestal, C., Furie, M., and Thanassi, D. (2006) Characterization and Intracellular Replication of *Francisella tularensis* tolC and fltC Mutants. *5<sup>th</sup> International Conference on Tularemia*. Woods Hole, MA.
- Platz, Gabrielle J.** (2006) BSL3 Science and Safety Training. Emory University, Southwest Regional Center of Excellence for Emerging Infections and Biodefense. Atlanta, GA.
- Siolas, Despina**, Chang, K., Silva, J., Powers S., Parker, J., and Hannon, G. J. (2007) High throughput RNA interference barcode screens as a tool for discovering gene function. *American Association for Cancer Research Conference Minisymposium Presentation*. Los Angeles, CA.
- Tovkach, Andriy**, and Tzfira T. (2007) Design, Assembly and Cleavage Characteristics of Zinc Finger Nucleases for Gene Targeting in Plants. *Meeting of Midwestern Section of American Society of Plant Biologists*. Michigan State University, East Lansing, MI.
- Zhao, Zhen.** (2007) Generation of a Mouse Model of Acute Myeloid Leukemia with Conditional Oncogenic Kras and p53 Deficiency. *2007 AACR Annual Meeting*. Los Angeles, CA.

### ❖ Post-Doctorates Obtained and Professional Appointments

- Alvarez, Francisco Javier** (2006) Proteomic comparison of plasma membrane proteins in *C. albicans* buds and hyphae. *8<sup>th</sup> Candida and Candidiasis*. Denver, CO.
- Freudenberg, Jaclyn A.** (2007) Postdoctoral Fellow. Pathology and Laboratory Medicine, *University of Pennsylvania*, Philadelphia, PA.
- Okan, Nihal A.** (2007) Postdoctoral Fellow. Department of Molecular Genetics and Microbiology, *Stony Brook University*, Stony Brook, NY.

# GEOSCIENCES

GRADUATE DIRECTOR: LIANXING WEN  
DEPARTMENT CHAIR: TENG-FONG WONG

## ❖ Grants, Fellowships, and Awards

- Ghosh, Attreyee.** (2006) Outstanding student paper award. *American Geophysical Union Joint Assembly Meeting*, Baltimore, MD.
- Hahn, Brian C.** (2005) Student Travel Grant for NASA Odyssey GRS Science Team Meeting, Kona, HI, \$2000. *NASA – Jet Propulsion Laboratory*, Pasadena, CA.
- Hahn, Brian C.** (2005) Travel Grant for NASA Planetary Science Summer School, \$1400. *NASA – Jet Propulsion Laboratory*, Pasadena, CA.
- Hahn, Brian C.** (2005) NASA Group Achievement Award for Mars Exploration Rover Second Extended Mission Team. *NASA*, Washington, DC.
- Hylton, Shavonne.** (2006-2007) IGERT 3MT training program fellowship, \$30,000/yr. *National Science Foundation/Stony Brook University*, Stony Brook, NY.
- Michel, F. Marc.** (2006) Graduate Assistance in Areas of National Need (GAANN) Fellowship, stipend and tuition for 1 academic year. *United States Department of Education*, Washington, DC.
- Michel, F. Marc.** (2006) Division of Geochemistry Award for Best Student Paper, \$100. *Proceedings from the 232<sup>nd</sup> National Meeting of the American Chemical Society*, San Francisco, CA.
- Munster, Jennie.** (2006) Graduate Assistance in Areas of National Need (GAANN), \$30,000. *Stony Brook University, Geosciences Dept*, Stony Brook, NY.
- Tang, Y.** (2006) Career Prep Travel Award Stipend, \$150. *Preparing for an Academic Career in the Geosciences Workshop*, the Cutting Edge Program, Stanford University, CA.
- Tembe, Sheryl.** (2007) Travel Award, \$1000. *EarthScope National Meeting*, Monterey, CA.
- Tembe, Sheryl.** (2006) Graduate Assistance in Areas of National Need (GAAAN) Fellowship, \$24,000. *United States Department of Education*, Washington, DC.
- Tembe, Sheryl.** (2006) Rheology of Earth Materials Summer School Grant. *Integrated Solid Earth Sciences- National Science Foundation*, Colorado Springs, CO.
- Tembe, Sheryl.** (2006) Travel Award, \$500. *US National Congress on Theoretical and Applied Mathematics*, Boulder, CO.
- Tosca, Nicholas J.** (2006) Pellas-Ryder Award (Honorable Mention). *Geological Society of America & Meteoritical Society*, Washington, DC.
- Whitaker, Matthew L.** (2006-2007) Graduate Assistance in Areas of National Need (GAANN) Fellowship, \$24,000. *United States Department of Education*, Washington, DC.
- Yu, W.** (2006) Outstanding Student Paper Award for “Complex seismic anisotropy in the top of the Earth’s inner core beneath Africa”. *American Geophysical Union 2006 Joint Assembly*, Baltimore, MD.
- Yu, W.** (2006) Travel Award, \$500. *Incorporated Research Institutions for Seismology Consortium (IRIS) Annual Workshop*, Tucson, AZ.

❖ **Singly Authored Publications/Research Reports/Reviews**

**McDonald, Jason.** (2006) Iridescent Fluorite from Ohio's Findlay Arch District. In J. Fisher, M. Jarnot, G. Neumeier, A. Pasto, G. Staebler, and T. Wilson (Eds.), *Fluorite-The Collector's Choice*. East Hampton, CT: Lithographie, LLC.

**Yu, W.** (2007) Seismic velocity and attenuation structures in the Earth's inner core. *Doctoral Dissertation*. Stony Brook, New York: Stony Brook University.

❖ **Jointly Authored Publications/Research Reports/Reviews**

**Dimitrova, Lada L.,** Holt, William E., Haines, A. John, and Schultz, R.A. (2006) Toward understanding the history and mechanisms of Martian faulting: The contribution of gravitational potential energy. *Geophysical Research Letters* 33: L08202

**Hahn, Brian C.,** McLennan, S.M., Taylor, G.J., Boynton, V.W., Dohm, J.M., Janes, D.M., Karunatillake, S., Keller, J.M., Kerry, K.E., and the Odyssey GRS Science Team. (2006) Mars Odyssey Gamma-Ray Spectrometer Elemental Correlations with Apparent Surface Age: Implications for Martian Crustal Evolution. *Journal of Geophysical Research* 112: doi:10.1029/2006JE002821.

Karunatillake, S., Squyres, S.W., Taylor, G.J., Keller, J.M., Gasnault, O., Evans, L.G., Reedy, R.C., Starr, R.D., Boynton, W.V., Janes, D.M., Kerry, K.E., Dohm, J.M., Sprague, A.L., **Hahn, Brian C.,** and Hamara, D.K. (2006) Mineralogy of low albedo regions in the northern hemisphere of Mars: Implications of Mars Odyssey Gamma Ray Spectrometer data. *Journal of Geophysical Research* 111: doi:10.1029/2006JE002675.

Keller, J. M., Boynton, W.V., Karunatillake, S., Baker, V.R., Dohm, J.M., Evans, L.G., Hamara, D.K., Janes, D.M., Kerry, K.E., Reeder, R.C., Squyres, S.W., Starr, R.D., Taylor, G.J., and **Hahn, Brian C.** (2006) Global Distribution of Chlorine Measured by Mars GRS. *Journal of Geophysical Research* 111:doi:10.1029/2006JE002679.

Taylor, G. J., Stopar, J., Boynton, W.V., Brückner, J., Wänke, H., Dreibus, G., Kerry, K.E., Keller, J.M., Reedy, R.C., Evans, L.G., Starr, R.D., Martel, L.M.V., Squyres, S.W., Karunatillake, S., Gasnault, O., Maurice, S., d'Uston, C., Englert, P.A., Dohm, J.M., Baker, V.R., Hamara, D.K., Janes, D.M., Sprague, A.L., Kim, K., **Hahn, Brian C.,** and Drake, D.M. (2006) Causes of Variation in K/Th on Mars, *Journal of Geophysical Research* 111:doi:10.1029/2006JE002676.

Arvidson, R.E., Squyres, S.W., Anderson, R.C., Bell, J.F., Blaney, D., Bruckner, J., Cabrol, N.A., Calvin, W.M., Carr, M.H., Christensen, P.R., Clark, B.C., Crumpler, L., Des Marais, D.J., de Souza, P.A., d'Uston, C., Economou, T., Farmer, J., Farrand, W.H., Folkner, W., Golombek, M., Gorevan, S., Grant, J.A., Greeley, R., Grotzinger, J., Guinness, E., **Hahn, Brian C.,** Haskin, L., Herkenhoff, K.E., Hurowitz, J.A., Hviid, S., Johnson, J.R., Klingelhofer, G., Knoll, A.H., Landis, G., Leff, C., Lemmon, M., Li, R., Madsen, M.B., Malin, M.C., McLennan, S.M., McSween, H.Y., Ming, D.W., Moersch, J., Morris, R.V., Parker, T., Rice, J.W., Richter, L., Rieder, R., Rodionov, D.S., Schroder, C., Sims, M., Smith, M., Smith, P., Soderblom, L.A., Sullivan, R., Thompson, S.D., Tosca, Nicholas J., Wang, A., Wanke, H., Ward, J., Wdowiak, T., Wolff, M., and Yen, A. (2006) Overview of the Spirit Mars Exploration Rover Mission to Gusev Crater: Landing site to Backstay Rock in the Columbia Hills. *Journal of Geophysical Research* 111:doi:10.1029/2005JE002499.

Cohn, C.A., **Laffers, R.,** Schoonen, M.A. (2006b) Using yeast RNA as a probe for generation of hydroxyl radicals by earth materials. *Environmental Science & Engineering* 40:2838-43.

Schoonen, M.A.A., Cohn, C.A., Roemer, E., **Laffers, R.,** Simon, S., and O'Riordan, T. (2006) Mineral-induced formation of reactive oxygen species. *Reviews in Mineralogy and Geochemistry* 64:179-221.

Chen, J.H., Li, L., Yu, T., **Long, H.B.,** Weidner, D.J., Wang, L.P., and Vaughan, M. (2006) Do Reuss and Voigt bounds really bound in high-pressure rheology experiments? *Journal of Physics-Condensed*

*Matter* 18(25): S1049-S1059.

- Li, L., **Long, H.B.**, Raterron, P., and Weidner, D. (2006) Plastic flow of pyrope at mantle pressure and temperature. *American Mineralogist* 91(4):517-525.
- Martin, C.D.**, Chapman, K.W., Chupas, P.J., Lee, P.L., and Parise, J.B. (in press) Local vs. long range order; a study of Neighborite (NaMgF<sub>3</sub>) utilizing the pair-distribution function for quantitative structure modeling. *Journal of Applied Crystallography*.
- Martin, C.D.**, Chapman, K.W., Chupas, P.J., Prakapenka, V., Lee, P.L., Shastri, S.D., and Parise, J.B. (2007) Compression, thermal expansion, structure, and instability of CaIrO<sub>3</sub>, the structure model of MgSiO<sub>3</sub> post-perovskite. *American Mineralogist* 92(7):1048-1053.
- Martin, C.D.**, Crichton, W.A., Liu, H.Z., Prakapenka, V., Chen, J.H., and Parise, J.B. (2006) Phase transitions and compressibility of NaMgF<sub>3</sub> (Neighborite) in perovskite- and post-perovskite-related structures. *Geophysical Research Letters* 33(11): doi:10.1029/2006GL026150.
- Martin, C.D.**, Crichton, W.A., Liu, H.Z., Prakapenka, V., Chen, J.H., and Parise, J.B. (2006) Rietveld structure refinement of perovskite and post-perovskite phases of NaMgF<sub>3</sub> (Neighborite) at high pressures. *American Mineralogist* 91(10):1703-1706.
- Mei, Q., Benmore, C.J., Hart, R.T., Bychkov, E., Salmon, P.S., **Martin, C.D.**, Michel, F. Marc, Antao, S.M., Chupas, P.J., Lee, P.L., Shastri, S.D., Parise, J.B., Leinenweber, K., Amin, S., and Yarger, J.L. (2006) Topological changes in glassy GeSe<sub>2</sub> at pressures up to 9.3 GPa determined by high-energy x-ray and neutron diffraction measurements. *Physical Review B*. 74(1):014203.
- Scott, H.P., Huggins, S., Santillan, J., Williams, Q., **Martin, C.D.**, and Maglio, S.J. (2007) Equation of State and High Pressure Stability of Fe<sub>3</sub>P-Schreibersite: Implications for Phosphorus Storage in Planetary Cores. *Geophysical Research Letters* 34: doi:10.1029/2006GL029160
- Welch, M.D., Pawley, A.R., Ashbrook, S.E., **Mason, H.E.**, and Phillips, B.L. (2007) Si Vacancies in the 10-Å Phase. *American Mineralogist* 91(10):1707-1710.
- Mason, H.E.**, Frisia, S., Tang, Y., Reeder, R.J., and Phillips, B.L. (2007) Phosphorus Speciation in calcite speleothems determined from solid-state NMR. *Earth Planet Sci Lett* 254 (3-4):313-322.
- McCubbin, F.M., **Mason, H.E.**, Park, H., Phillips, B.L., Parise, J.B., Nekvasil, H., and Lindsley, D.H. (in press) Synthesis and characterization of low-OH fluor-chlorapatite: A single crystal XRD and NMR spectroscopic study. *American Mineralogist*.
- Phillips, B.L., **Mason, H.E.**, and Guggenheim, S. (in press) Hydrogen bonded silanols in the 10-Å Phase: evidence from NMR spectroscopy. *American Mineralogist*.
- McCubbin, F.M.**, Mason, H.E., Park, H., Phillips, B.L., Parise, J.B., Nekvasil, H., and Lindsley, D.H. (in press) Synthesis and characterization of low-OH fluor-chlorapatite: A single crystal XRD and NMR spectroscopic study. *American Mineralogist*.
- McCubbin, F.M.**, Nekvasil, H., and Lindsley, D.H. (in press) Maskelynite-hosted apatite in the Chassigny meteorite: Insights into late-stage magmatic volatile evolution in Martian magmas. *Am. Mineral.*
- Nekvasil, H., Filiberto, J., **McCubbin, F.M.**, and Lindsley, D.H. (2007) Alkalic parental magmas for chassignites? *Meteoritics and Planetary Sciences* 42(6):979-992.
- Michel, F. Marc**, Ehm, L., Antao, S. M., Lee, P. L., Chupas, P. J., Liu, G., Strongin, D. R., Schoonen, M. A. A., Phillips, B. L., and Parise, J. B. (2007) The structure of ferrihydrite, a nanocrystalline material. *Science* 316(5832):1726-1729.
- Michel, F. Marc**, Ehm, L., Liu, G., Han, W.Q., Antao, S.M., Chupas, P.J., Lee, P.L., Knorr, K., Eulert, H., Kim, J., Grey, C.P., Celestian, A.J., Gillow, J.B., Schoonen, M.A.A., Strongin, D.R., and Parise, J.B. (2007) Similarities in 2- and 6-line ferrihydrite based on pair distribution function analysis of X-ray total scattering. *Chemistry of Materials* 19:1489-1496.

- Zhang, Xiang V., Ellery, S.P., Friend, C.M., Holland, H.D., **Michel, F. Marc**, Schoonen, M.A.A., and Martin, S.T. (2007) Photodriven reduction and oxidation reactions on colloidal semiconductor particles: Implications for prebiotic synthesis. *J Photochem Photobiol B: Chem* 185(2-3):301-311.
- Mei, Qiang, Benmore, C.J., Hart, R.T., Bychkov, E., Salmon, P. S., Martin, C.D., **Michel, F. Marc**, Antao, S.M., Chupas, P.J., Lee, P.L., Shastri, S.D., Parise, J.B., Leinenweber, K., Amin, S., and Yarger, J.L. (2006) Topological changes in glassy GeSe<sub>2</sub> at pressures up to 9.3 GPa determined by high-energy X-ray and neutron diffraction measurements. *Physical Review B* 74:014203.
- Liu, Gang, Debnath, S., Paul, K.W., Han, W.Q., Hausner, D.B., Hosein, H-A., **Michel, F. Marc**, Parise, J.B., Sparks, D.L., and Strongin, D.R. (2006) Characterization and surface reactivity of ferrihydrite nanoparticles derived from the ferritin. *Langmuir* 22:9313-9321.
- Michel, F. Marc**, Schoonen, M.A.A., Zhang, X.V., Martin, S.T., and Parise, J.B. (2006) Hydrothermal synthesis of pure  $\alpha$ -phase manganese(II) sulfide without the use of organic reagents. *Chemistry of Materials* 18(7):1726-1736.
- Munster, Jennie**, Hanson, G., Petrovic, A.M., and Bokuniewicz, H. (2006) Evaluating nitrate leaching between diverse turfgrass sites. *Northeastern Geology & Environmental Sciences* 28(4):368-377.
- Ablett, J.M., Kao, C.C., Reeder, R. J., **Tang, Y.**, and Lanzirotti, A. (2006) X27A - A new hard x-ray micro-spectroscopy facility at the National Synchrotron Light Source. *Nuclear Instruments & Methods in Physics Research A* 562:487-494.
- Mason H.E., Douglas S.F., **Tang, Y.**, Reeder R.J., and Phillips, B.L. (2007) Phosphorous speciation in calcite speleothems: Evidence from solid-state NMR. *Earth Planet Sci Lett* 254: 313-322.
- Tang, Y.**, Elzinga E.J., Lee Y.J., and Reeder R.J. (2007) Coprecipitation of Cr(VI) with calcite : Batch experiments and spectroscopic characterization. *Geochimica et Cosmochimica Acta* 71:1480-1493.
- Tembe, Sheryl**, Vajdova, V., Baud, P., Zhu, W., and Wong, T-f. (2006) A new methodology to delineate the compactive yield behavior of two porous sandstones under undrained condition. *Mechanics of Materials* 39:513-523.
- Tembe, Sheryl**, Lockner, D.A., Solum, J.G., Morrow, C.A., Wong, T-f, and Moore, D.E. (2006) Frictional strength of cuttings and core from SAFOD drillhole phases 1 and 2. *Geophysical Research Letters* 33 (L23307):doi:10.1029/2006GL027626.
- Morrow, C.A., Solum, J.G., **Tembe, Sheryl**, Lockner, D.A., and Wong, T-f. (2007) Using drill cutting separates to estimate the strength of narrow shear zones at SAFOD. *Geophysical Research Letters* 34: doi:10.1029/2007GL029665.
- Squyres, S.W., Aharonson, O., Arvidson, R.E., Bell III, J.F., Christensen, P.R., Clark, B.C., Crisp, J.A., Farrand, W.H., Glotch, T., Golombek, M.P., Grant, J., Grotzinger, J., Herkenhoff, K.E., Johnson, J.R., Jolliff, B.L., Knoll, A.H., McLennan, S.M., McSween, H.Y., Moore, J.M., Rice, J.W., and **Tosca, Nicholas J.** (2006) Planetary Science: Bedrock Formation at Meridiani Planum. *Nature* 443(E1-E2):doi:10.1038/nature05212.
- Squyres, S.W., Knoll, A.H., Arvidson, R.E., Clark, B.C., Grotzinger, J.P., Jolliff, B.L., McLennan, S.M., **Tosca, Nicholas J.**, Bell III, J.F., Calvin, W.M., Farrand, W.H., Glotch, T.D., Golombek, M.P., Herkenhoff, K.E., Johnson, J.R., Klingelhofer, G., McSween, H.Y., and Yen, A.S. (2006) Two years at Meridiani Planum: Results from the Opportunity Rover. *Science* 313(5792):1403-1407.
- Squyres, S.W., Arvidson, R.E., Bollen, D., Bell, J.F., Bruckner, J., Cabrol, N.A., Calvin, W.M., Carr, M.H., Christensen, P.R., Clark, B.C., Crumpler, L., Des Marais, D.J., d'Uston, C., Economou, T., Farmer, J., Farrand, W.H., Folkner, W., Gellert, R., Glotch, T.D., Golombek, M., Gorevan, S., Grant, J.A., Greeley, R., Grotzinger, J., Herkenhoff, K.E., Hviid, S., Johnson, J.R., Klingelhofer, G., Knoll, A.H., Landis, G., Lemmon, M., Li, R., Madsen, M.B., Malin, M.C., McLennan, S.M., McSween, H.Y., Ming, D.W., Moersch, J., Morris, R.V., Parker, T., Rice, J.W., Richter, L., Rieder, R., Schroder, C., Sims, M., Smith, M., Smith, P., Soderblom, L.A., Sullivan, R., **Tosca, Nicholas J.**, Wanke, H., Wdowiak, T., Wolff, M., and Yen, A. (2006) Overview of the Opportunity Mars Exploration Rover Mission to Meridiani Planum: Eagle Crater to Purgatory

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- Hurowitz, J.A., **Tosca, Nicholas J.**, McLennan, S.M., and Schoonen, M.A.A. (2007) Production of hydrogen peroxide in Martian and lunar soils. *Earth Planet. Sci. Lett.* 255(1-2):41-52.
- Tosca, Nicholas J.**, Smirnov, A., and McLennan, S.M. (2007) Application of the Pitzer Ion Interaction Model to Isopiestic Data for the  $\text{Fe}_2(\text{SO}_4)_3\text{-H}_2\text{SO}_4\text{-H}_2\text{O}$  System at 298.15K and 323.15K. *Geochimica et Cosmochimica Acta* 71(11):2680-2698.
- Wander, Matthew C.F.**, Kerisit, S., Rosso, K.M., and Schoonen, M.A.A. (2006) Kinetics of Triscarbonate Uranyl Reduction by Aqueous Ferrous Iron: A Theoretical Study. *J Phys Chem A* 110 (31):9691-9701.
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- Yu, W.**, and Wen, L. (2006) Seismic velocity and attenuation structures in the top 400 km of the Earth's inner core along equatorial paths. *Journal of Geophysical Research* 111(B07308): doi:10.1029/2005JB003995.
- Yu, W.**, and Wen, L. (2006) Inner core attenuation anisotropy. *Earth Planet Sci Lett* 245:581-594.
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#### ❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

- Vajdova, V., **Chen, T-M. N.**, and Wong, T-f. (2006) Micromechanics of the brittle-ductile transition in Indiana and Tavel limestones. *American Geophysical Union Fall Meeting*. San Francisco, CA.
- Cochiara, Stacey**, and Phillips, B.L. (2006) Effect of aging on the distribution of fluoride sorbed to the gibbsite surface using solid-state NMR. *American Chemical Society 232<sup>nd</sup> National Meeting*. San Francisco, CA.
- Dimitrova, Lada L.**, Haines, M., Holt, W.E., Schultz, R.A., Richard, G., and Haines, A.J. (2006) MARS Tools for Interactive ANalysis (MARTIAN): Google Maps Tools for Visual Exploration of Geophysical Modeling on Mars. *American Geophysical Union Fall Meeting*. San Francisco, CA.
- Dimitrova, Lada L.**, Haines, M., Holt, W.E., Schultz, R.A., Richard, G., and Haines, A.J. (2006) Validity of the Thin-Sheet and Flexure Approximations for Layered Lithospheric Geometries with Marked Contrasts in Viscosity or Effective Elastic Rigidity. *AGU Fall Meeting*. San Francisco, CA.
- Hernandez, D., Holt, W.E., Bennett, R.A., **Dimitrova, Lada L.**, and Haines, A.J. (2006) Characterization of a Strain Rate Transient Along the San Andreas and San Jacinto Faults Following the October 1999 Hector Mine Earthquake. *American Geophysical Union Fall Meeting*. San Francisco, CA.
- Ghosh, Attreyee**, Holt, W.E., Wen, L., Flesch, L.M., and Haines, A.J. (2006) Plate Motions, Lithospheric Stress Field and Lithosphere-Mantle Coupling. *Eos Trans. AGU* 87(52): Fall Meeting Supplement, Abstract G41A-03.
- Holt, W.E., **Ghosh, Attreyee**, and Haines, A.J. (2006) Effect of Continental Keels on the Lithospheric Deviatoric Stress Field. *EOS Trans. AGU* 87(52): Fall Meeting Supplement, Abstract T52D-03.

- Holt, W.E., **Ghosh, Attreyee**, Haines, A.J., Flesch, L.M., and Wen, L. (2006) A Global Inversion for the Distribution of Basal Lithospheric Traction Associated with the Coupling of Mantle Circulation. *VI Hotine-Marussi Symposium of Theoretical and Computational Geodesy*. Wuhan, China.
- Holt, W.E., **Ghosh, Attreyee**, Wen, L., Haines, A.J., and Flesch, L.M. (2007) The role of density-buoyancy driven mantle flow in continental deformation: North America, Asia and the rest of the world. *EarthScope National Meeting*. Monterey, CA.
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- McLennan, S.M., Taylor, S.R., and **Hahn, Brian C.** (2006) Crustal evolution on the terrestrial planets: Contrasts in style, timing and composition. *16<sup>th</sup> Goldschmidt Conference*. Melbourne, Australia.
- Hahn, Brian C.**, McLennan, S.M., and the GRS Science Team (2006) Comparative Analysis of Mars Odyssey GRS Chemical Abundances with Other Mission Global Datasets. *American Geophysical Union Fall Meeting*. San Francisco, CA.
- Hahn, Brian C.**, McLennan, S.M., and the GRS Science Team (2007) A Comparative Analysis of Mars Odyssey GRS Element Abundances and TES Dust and Mineralogy Variations. *38<sup>th</sup> Lunar and Planetary Science Conference*. League City, TX.
- McLennan, S.M., Taylor, S.R., and **Hahn, Brian C.** (2007) The Crusts of Earth and Mars. *American Geophysical Union Spring Meeting*. Acapulco, Mexico.
- Hahn, Brian C.** (2006/2007) The 2001 Mars Odyssey Science Team Meeting. *Lunar and Planetary Laboratory at the University of Arizona*, Tucson, AZ.
- Hahn, Brian C.** (2006/2007) Mars Exploration Rover Science Team Meeting. *NASA – Jet Propulsion Laboratory*. Pasadena, CA.
- Hernandez, Daniel**, Holt, W.E., Bennett, R.A., Dimitrova, L., and John Haines, A.J. (2006) Characterization of a Strain Rate Transient Along the San Andreas and San Jacinto Faults Following the October 1999 Hector Mine Earthquake. *American Geophysical Union Fall Meeting*. San Francisco, CA. (Oral)
- Hernandez, Daniel**, Holt, W.E., Bennett, and John Haines, A.J. (2007) Refining the Characterization of a Strain Rate Transient Along the San Andreas and San Jacinto Faults Following the October 1999 Hector Mine Earthquake. *EarthScope National Meeting*. Monterey, CA. (Poster)
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- Klein, E.C.**, Holt, W.E., Flesch, L.M., and Haines, A.J. (2006) Thin Sheet Modeling for the Seismogenic Crust of Western North America: How Strong is the top Slice of "Sandwich Bread" Above the "Jelly"? *Eos Trans. AGU* 87(52): Fall Meeting Supplement, Abstract S52A-06.
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- McCubbin, F.M.**, Nekvasil, H., Smirnov, A., and Lindsley, D.H. (2007) Kaersutite in the Chassigny martian meteorite: How much water? *Goldschmidt Conference, Geochimica Cosmochimica Acta*: 3170.
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- Nekvasil H., **McCubbin, F.M.**, and Filiberto J. (2006) Terrestrial ferropicritic dunites: Implications for the Chassignites. *Proceedings of the Lunar and Planetary Science Conference XXXVII*: 1096.
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- McCubbin, F.M.**, Nekvasil H., and Lindsley D.H. (2006) Oxy-component in kaersutite: How much can be a primary magmatic feature? *Eos Trans. AGU 87(36)*: Joint Assembly Supplement, Abstract M31A-01.
- McCubbin, F.M.**, Nekvasil H., Lindsley D.H., and Hanski E.J. (2006) New insights into using kaersutite (Ti-rich amphibole) as a petrogenetic tool: An experimental investigation. *Geological Society of America Abstracts with Programs 38(7)*:118-18.
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- O'Leary M.C., **McCubbin, F.M.**, Nekvasil H., Beavon L., and Lindsley D.H. (2006) Liquid evolution during experimental crystallization of the Gusev basalt, Humphrey, at 10 kbar. *Geological Society of America Abstracts with Programs 38(7)*:114624.
- Beavon L., **McCubbin, F.M.**, Nekvasil H., and Lindsley D.H. (2006) Experimental crystallization of a fluorinated and chlorinated proposed alkalic parent to the Chassigny martian meteorite. *Geological Society of America Abstracts with Programs 38(7)*:114624.

- Michel, F. Marc**, Ehm, L., Antao, S.M., Schoonen, M.A.A., Parise, J.B., Liu, G., Strongin, D.R., Lee, P.L., Chupas, P.J., Knorr, K., and Eulert, H. (2007) The structure of ferrihydrite, a nanocrystalline material. *Earth & Environment Departmental Seminar*. University at Leeds, Leeds, UK.
- Michel, F. Marc**, Ehm, L., Antao, S.M., Schoonen, M.A.A., Parise, J.B., Debnath, S., Liu, G., Hausner, D., Strongin, D.R., Lee, P.L., Chupas, P.J., Knorr, K., and Eulert, H. (2007) Probing the structure of a protein-coated iron mineral. *Spallation Neutrons at Pressure (SNAP) 3<sup>rd</sup> Annual Meeting*. Oak Ridge National Laboratory, Oak Ridge, TN.
- Michel, F. Marc**, Ehm, L., Antao, S.M., Schoonen, M.A.A., Parise, J.B., Strongin, D.R., Lee, P. L., Chupas, P.J., Knorr, K., and Eulert, H. (2007) Asymptotically approaching the truth: A new single-phase structure model for ferrihydrite. *Proceedings from the 233<sup>rd</sup> National Meeting of the American Chemical Society*, Chicago, IL.
- Michel, F. Marc**, Strongin, D.R., Parise, J.B., and Schoonen, M.A.A. (2006) Evaluating the effect and fate of impurities during pyritization of FeS. *Proceedings from the 232<sup>nd</sup> National Meeting of the American Chemical Society*. San Francisco, CA.
- Michel, F. Marc**, Antao, S. M., Celestian, A. J., Schoonen, M. A. A., Parise, J. B., Liu, G., Strongin, D. R., Lee, P. L., and Chupas, P. J. (2006) Size and structure of ferrihydrite from PDF analysis. *232<sup>nd</sup> National Meeting of the American Chemical Society Proceedings*. San Francisco, CA.
- Michel, F. Marc**, Antao, S.M., Ehm, L., Celestian, A.J., Liu, G., Debnath, S., Hausner, D., Chupas, P.J., Lee, P.L., Gillow, J., Francis, A.J., Han, W.Q., Grey, C.P., Strongin, D.R., Schoonen, M.A.A., and Parise, J. B. (2006) Collaborative Study of Nanocrystalline Materials. *Center for Environmental Molecular Science (CEMS): National Science Foundation Site Visit*. Stony Brook, NY.
- Michel, F. Marc**, Antao, S.M., Ehm, L., Celestian, A.J., Liu, G., Debnath, S., Hausner, D., Chupas, P.J., Lee, P.L., Gillow, Hanson, J., Strongin, D.R., Schoonen, M.A.A., and Parise, J.B. (2006) PDF Analysis of Nanocrystalline Metal Sulfides and Oxides. *Center for Environmental Molecular Science (CEMS) Brownbag Seminar Series*. Stony Brook, NY.
- Munster, Jennie**, and Hanson, G. (2007) Nonpoint sources of perchlorate in groundwater of urban sources. *Geological Society of America Abstracts with Programs* 39(1):85; and *The 14<sup>th</sup> Conference on Geology of Long Island and Metropolitan New York*. Stony Brook, NY
- Munster, Jennie.**, Hanson, G.N., Liu, Q., and Bokuniewicz, H.J. (2007) Major ion chemistry and mixing proportions of nitrate sources in groundwater. *Eos Trans. AGU* 88(23): Joint Assembly Supplement, Abstract H34A-03; and *The 14th Conference on Geology of Long Island and Metropolitan New York*. New York, NY.
- Munster, Jennie**, Hanson, G., Cheng, Q., and Jackson, A. (2006) Nonpoint sources of perchlorate in groundwater of Suffolk County, Long Island, NY. *Geological Society of America Abstract with Programs* 38(7): 40. Pennsylvania Convention Center, Pennsylvania, PA.
- Tang, Y.**, Schoonen M.A.A., Morrison J., Goldhaber M., and Reeder R.J. (2006) Investigating the chemical speciation of high-Cr soils from northern California using synchrotron micro-X-ray techniques. *Medical Mineralogy and Geochemistry Short Course, Mineralogical Society of America and The Geochemical Society*. U.S. Geological Survey, Menlo Park, CA. (poster)
- Tang, Y.**, Plumlee, G.S., Schoonen, M.A.A., and Reeder, R.J. (2006) Characterization of Heterogeneous Hurricane Katrina Flood Sediments Using Micro-X-ray Fluorescence Mapping and X-ray Absorption Spectroscopy. *232<sup>nd</sup> American Chemical Society Fall 2005 National Meeting: In-situ Methods and Investigations in Environmental Science*. San Francisco, CA. (abstract and oral)
- Tang, Y.**, McDonald, J., and Reeder, R.J. (2006) Effects of Arsenate on the Sorption of Uranyl onto Gamma-alumina Surface. *Graduate Student Conference of Center for Environmental Molecular Science (CEMS) 2006 Fall Meeting*. Stony Brook University, NY. (abstract and oral)
- Tembe, Sheryl**, Lockner, D.A., and Wong, T-f. (2007) Hydromechanical Properties of Cuttings and Core. *Workshop on Preparing for SAFOD Phase 3: Locating the Target Earthquakes and Overview of*

*Core Handling and Analysis Plan*. Monterey, CA.

- Tembe, Sheryl**, Lockner, D.A., Solum, J.G., Morrow, C.A., Wong, T-f., and Moore, D.E. (2007) Experimental results from SAFOD Phases 1 and 2. *EarthScope National Meeting*, Monterey, CA.
- Tembe, Sheryl**, Vajdova, V., Wong, T-f., and Zhu, W. (2006) Strain localization in circumferentially notched samples of two porous sandstones. *15<sup>th</sup> US National Congress on Theoretical and Applied Mathematics*. Boulder, CO. (Invited)
- Rudnicki, J.W., **Tembe, Sheryl**, and Wong, T-f. (2006) Relation Between Width and Length of Compaction Bands in Porous Sandstones. *AGU Fall Meeting*. San Francisco, CA.
- Morrow, C.A., Solum, J.G., **Tembe, Sheryl**, Lockner, D.A., and Wong, T-f. (2006) Using Drill Cutting Separates to Estimate the Strength of Narrow Shear Zones at SAFOD. *American Geophysical Union Fall Meeting*. San Francisco, CA.
- McLennan, S.M., Hurowitz, J.A., **Tosca, Nicholas J.**, and Arlauckas, S.M. (2006) Surficial processes on Mars: A planet on acid. *16<sup>th</sup> Goldschmidt Conference*. Melbourne, Australia.
- Tosca, Nicholas J.**, and McLennan, S.M. (2006) Chemical divides and variation in martian saline mineralogy. *Workshop on Martian sulfates as recorders of atmosphere-fluid-rock interactions*. Houston, TX.
- Dyar, M.D., Podratz, L., Sklute, E.C., Rusu, C., Rothstein, Y., **Tosca, Nicholas J.**, Bishop, J.L., and Lane, M.D. (2006) Mossbauer spectroscopy of synthetic alunite group minerals. *Workshop on Martian sulfates as recorders of atmosphere-fluid-rock interactions*. Houston, TX.
- McLennan, S.M., Grotzinger, J.P., Hurowitz, J.A., and **Tosca, Nicholas J.** (2006) Sulfate geochemistry and the sedimentary rock record of Mars. *Workshop on Martian sulfates as recorders of atmosphere-fluid-rock interactions*. Houston, TX.
- Tosca, Nicholas J.**, and McLennan, S.M. (2007) An experimental approach to evaporation processes at the martian surface. *Lunar and Planetary Science Conference XXXVIII*. League City, TX.
- Tosca, Nicholas J.**, and McLennan, S.M. (2007) Fe-oxidation processes at Meridiani Planum and implications for secondary Fe-mineralogy on Mars. *Lunar and Planetary Science Conference XXXVIII*. League City, TX.
- Friedlander, L.R., **Tosca, Nicholas J.**, and Arvidson, R.E. (2007) Preliminary experiments in the systematic investigation of the spectroscopic properties of synthetic copiapite-group minerals. *Lunar and Planetary Science Conference XXXVIII*. League City, TX.
- Podratz, L.A., Gunter, M.E., Williams, T.J., Dyar, M.D., and **Tosca, Nicholas J.** (2007) Refinement of the jarosite-alunite cell parameters as a function of compositional variance. *Lunar and Planetary Science Conference XXXVIII*. League City, TX.
- Xu, W., **Tosca, Nicholas J.**, McLennan, S.M., and Parise, J.B. (2007) Relative-humidity induced phase transitions of Fe-sulfate minerals: *In-situ* X-ray diffraction studies. *Lunar and Planetary Science Conference XXXVIII*. League City, TX.
- Wander, Matthew C.F.**, Kerisit, S., Rosso, K.M., and Schoonen, M.A.A. (2007) Ferrous iron reduction of uranyl ions and its implications of a mobile reduced species U(V). *American Chemical Society*. Chicago, IL.
- Wander, Matthew C.F.** (2006) Reduction of Uranium triscarbanato by Ferrous Iron Implications for reduced mobile U(V). *Geochemistry Department, Sandia National Lab*. Albuquerque, NM. (Invited talk)
- Wander, Matthew C.F.**, Rosso, K.M., and Schoonen, M.A.A. (2006) Green Rust Reduction of Chromium: A Theoretical Study. *American Chemical Society*. San Francisco, CA.
- Wander, Matthew C.F.**, and Rosso, K.M. (2006) Modeling Redox Reactions. *CEKA Molecular Modeling Workshop*. Pennsylvania State University, State College, PA.

- Wander, Matthew C.F.**, Kubicki, J.D., and Schoonen, M.A.A. (2006) Reduction of N<sub>2</sub> by Fe<sup>+2</sup> a Comparison of Homogeneous and Heterogeneous Reactions: A Theoretical Study. *NASA Astrobiology Conference*. Washington, DC.
- Rosso, K.M., Skomurski, F.M., **Wander, Matthew C.F.**, Wigginton, N.S., Kerisit, S.N., Yanina, S.V., Toney, M., Gorby, Y.A., Ewing, R.C., Schoonen, M.A.A., Hochella, M.F., Spormann, A.M., and Brown, G.E. (2006) Advances in Understanding Microbial and Abiotic Electron Transfer at Mineral Surfaces. *DOE OBER ERSP PI Meeting*. Warrenton, VA.
- Wang, Y.**, Wen, L., and Weidner, D. (2006) Velocity structures and the thermal and compositional models in the upper mantle. *CIDER Workshop*. Kavli Institute of Theoretical Physics. Santa Barbara, CA.
- Cammarano, F., Marone, F., De Koker, N., Piazzoni, A., **Wang, Y.**, and Romanowicz, B. (2006) Physically Constrained Inversion of Long-Period Seismic Waveforms: Insights on the Nature of the Transition Zone. *American Geophysical Union Fall Meeting*. San Francisco, CA.
- Yu, W.**, and Wen, L. (2006) Complex seismic anisotropy in the top of the Earth's inner core beneath Africa. *Eos Trans, AGU* 87(36): Joint Assembly Supplement, Abstract S21A-20.
- Yu, W.**, and Wen, L. (2006) Hemispheric dichotomy in seismic structures of the Earth's inner core. *Eos Trans, American Geophysical Union* 87(52): Joint Assembly Supplement, Abstract U43A-0835.
- Yu, W.** (2007) Seismic structures in the Earth's core. *Institute of Geology and Geophysics, Chinese Academy of Sciences*, Beijing, China.
- Zhu, W.**, Baud, P. Vinciguerra, S., and Wong, T-F. (2006) Dilatancy and brittle failure of Mt Etna basalt/Poster. *Gordon Research Conference on Rock Deformation*. Big Sky, MT.
- Zhu, W.**, and Wong, T-F. (2006) Weak elastic anisotropy in a cracked rock. *American Geophysical Union Fall Meeting*. San Francisco, CA. (Poster)

### ❖ Post-Doctorates Obtained and Professional Appointments

- Hahn, Brian C.** (2006/2007) Student Collaborator. Mars Exploration Rover Mission, *NASA – Jet Propulsion Laboratory*, Pasadena, CA.
- Hahn, Brian C.** (2006/2007) Student Collaborator. 2001 Mars Odyssey Mission, *NASA – Jet Propulsion Laboratory*, Pasadena, CA.
- Tembe, Sheryl.** (2006) Visiting Scientist. Earthquake Hazards Team, *US Geological Survey*, Menlo Park, CA.
- Tosca, Nicholas J.** (2006-2007) Student Collaborator. Mars Exploration Rover Mission, *Jet Propulsion Laboratory*, Pasadena, CA.
- Tosca, Nicholas J.** (2007) Postdoctoral Fellowship. Origins of Life Initiative, Department of Earth and Planetary Sciences, *Harvard University*, Cambridge, MA.
- Yu, W.** (2007) Postdoctoral Associate. Department of Terrestrial Magnetism, *Carnegie Institution of Washington*, Washington, DC.

### ❖ Internship Appointments

- Wang, Y.** (2006) Graduate Research Assistant. Geophysics Group, *Los Alamos National Lab*, Los Alamos, New Mexico.

# HISPANIC LANGUAGES, LITERATURES, AND CULTURES

GRADUATE DIRECTOR: LOU DEUTSCH

DEPARTMENT CHAIR: VICTORIANO RONCERO-LOPEZ

## ❖ Grants, Fellowships, and Awards

- Allbritton, Dean.** (2007) Burghardt W. Turner Fellowship, \$10,000. *Stony Brook University*, Stony Brook, NY.
- Frohlich, Margaret.** (2006) Graduate Council Commendation to Distinguished Doctoral Student. Stony Brook University, Stony Brook, NY.
- Galofaro, Manuel.** (2007) Gloria Kahn Fellowship, \$1,000. SUNY at Stony Brook University, Stony Brook, NY.
- Martínez-González, Julia.** (2007) President's Award for Excellence in Teaching by a Graduate Student, \$500. Stony Brook University, Stony Brook, NY.
- Pueyo Zoco, Víctor.** (2006) Román de la Campa Research Award, \$1,000. *Stony Brook University*, Stony Brook, NY.
- Pueyo Zoco, Víctor.** (2006) Gloria Kahn Fellowship, \$500. *Stony Brook University*, Stony Brook, NY.
- Wong, Y.L. Mariela.** (2006 – 2007) W. Burghardt Turner Dissertation Fellowship. *Stony Brook University*, Stony Brook, NY.

## ❖ Singly Authored Publications/Research Reports/Reviews

- Aguasaco, Carlos.** (2005) New in New York. In Lori Marie Carlson (Ed.), *Red Hot Salsa Bilingual Poems On Being Young And Latino In The United States* (pp. 28-29). New York: Henry Holt.
- Aguasaco, Carlos.** (2005) Medialengua. In Ronaldo Menéndez, Ignacio Padilla, and Enrique del Risco (Eds.), *Pequeñas Resistencias 4 Antología del nuevo cuento norteamericano y caribeño* (pp. 33-35). Madrid: Páginas de Espuma.
- Aguasaco, Carlos.** (2005) El mundo alucinante: transgresión constructiva de la historia y el pretexto, lectura-re-escritura, conciencia pre y postborgeana. In R. Saavedra (Ed.), *Ensayos sin frontera (Estudios sobre narrativa hispanoamericana)* (pp. 5-13). New York: Sinfrotera Editores.
- Balseca, Fernando.** (2006) Ni con truhanes ni con poderosos: el verso en el *Quijote*. *Kipus: Revista Andina de Letras* 19:33-38.
- Balseca, Fernando.** (2006) Para Adoum. *Tres ensayos sobre Jorge Enrique Adoum*. Quito, Ecuador: Casa de la Cultura Ecuatoriana.
- Balseca, Fernando.** (2007) El convite de Javier Vásconez. In F. Estrella (Ed.), *Apuesta: los juegos de Javier Vásconez*. Quito: Taurus.
- Balseca, Fernando.** (2006) *Modernistas reinventados: el modernismo como relato metatextual*. Quito, Ecuador: Fondo de Investigaciones de la Universidad Andina Simón Bolívar.
- Balseca, Fernando.** (2007) *La entrada de Sigmund Freud en las letras ecuatorianas*. Quito, Ecuador: Fondo de Investigaciones de la Universidad Andina Simón Bolívar.
- Culver, Melissa.** (2006) Escritoras españolas del período franquista. *Riff Raff* N 03:27-30.

- Fernandez, Álvaro.** (2005) La construcción del yo en la narrativa de Javier Marías. *Filología*. XXXIII: 207-226.
- Frohlich, Margaret.** (2006) *Framing the Margin: Nationality and Sexuality Across Borders*. Dissertation. Stony Brook, NY: Department of Hispanic Languages and Literature, Stony Brook University.
- Martínez-González, Julia.** (in press) The Power of Songs: Why and How does Music improve Language Learning. In C. Perrián Pascual (Ed.), *Revisiting Language Learning Resources*. Cambridge: Cambridge Scholars Press.
- Montoya, Oscar.** (in press) *El tañido de una flauta: Las virtudes del blanco y negro. De Amalia Otero a El mago de Viena*. In Teresa García Díaz (Ed.), *Cincuenta años en la vida y obra de Sergio Pitol*. Xalapa, Mexico: Universidad Veracruzana.
- Pueyo Zoco, Víctor.** (2006) El Quijote de Thomas Mann en el vértice de la modernidad. *Riff-Raff* 031:57-61.
- Urrutia Zarzo, Manuel.** (2006) (I can't get no) satisfaction: Madame Bovary c'est moi. *Laberinto* 22:24-35.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Aguasaco, Carlos.** (2006) La inversión de los valores, el lenguaje y la estructura en *El Caballero de Olmedo*, de Francisco Antonio de Monteser. *Hispanic Association for The Humanities IV Congreso Internacional, El Español, Baluarte del Humanismo: Literatura, Lengua y Cultura*. Madrid, Spain.
- Balseca, Fernando.** (2006) La representación de Galápagos en la literatura. *Galápagos: ciencias sociales para una sociedad sostenible*. Quito, Ecuador.
- Balseca, Fernando.** (2006) Escritores ecuatorianos hablan sobre Jorge Icaza y Pablo Palacio. *Congreso Internacional Jorge Icaza, Pablo Palacio y las vanguardias*. Quito, Ecuador.
- Culver, Melissa.** (2006) La construcción literaria de la historia: lógica, alogía y dialogismo. *5<sup>th</sup> Latin American Literatures and Cultures Conference*. Antlers Hilton, Colorado Springs, CO.
- Culver, Melissa.** (2006) Hermetismo e idilio en La Regenta. *Letropolis: Espacios urbanos y producción cultural*. Stony Brook University, Stony Brook, NY.
- Dowell, Mark.** (2006) The Ecstasy of St. Teresa: Art Objects and Gender Frames in Leopoldo Alas's *La Regenta*. *Letropolis: Stony Brook University Graduate Student Conference on Hispanic Languages and Literature*. Stony Brook, NY.
- Dowell, Mark.** (2007) A Map for the Silk Road: A Mahayana Buddhist Reading of Severo Sarduy's *Maitreya*. *Dialogue and Borders: Rethinking Latin America and the Caribbean*. Stony Brook University (Manhattan Campus), New York, NY.
- Frohlich, Margaret.** (2006) Bi's, Bugas, and Borders. *XVI Congreso de la Asociación Internacional de Literatura Femenina Hispánica, La Literatura de Mujer: Construyendo puentes, cruzando fronteras*. Weber State University, Ogdeg, UT.
- Frohlich, Margaret.** (2006) La representación y la política de la visibilidad. *Asociación Hispánica de Humanidades IV Congreso Internacional, El Español, Baluarte del Humanismo: Literatura, Lengua y Cultura*. Madrid, Spain.
- Hughes-Zarzo, Megan.** (2007) Six characters in search of work..*The Full Monty* vs. *Los lunes al sol*: Production and reception of films of redundancy in neo-liberal vs. welfare states. *16th Colloquium on Hispanic and Luso-Brazilian Literatures and Romance Linguistics, Conflicts and Encounters: Languages and Literatures in Contact*. The University of Texas, Austin, TX.

- Montoya, Oscar.** (2006) La ciudad enfebrecida. La parte de las muertas en 2666 de Roberto Bolaño. *Letrópolis: Espacios Urbanos y producción cultural/ Letropolis: Urban Spaces and Cultural Production*. Department of Hispanic Languages and Literature, Stony Brook University, Stony Brook, NY.
- Martín Ledesma, Antonio Miguel.** (2006) La búsqueda del héroe en Solados de Salamina. *3<sup>rd</sup> Annual Hispanic Language and Literature Graduate Conference*. Stony Brook, NY.
- Martín Ledesma, Antonio Miguel.** (2007) Diálogos sobre la modernidad: la recepción de la herencia medieval en el pensamiento de José Antonio Maravall y Fernando Rodríguez de la Flor. *60<sup>th</sup> Annual Kentucky Foreign Language*. Lexington. KY.
- Martínez-González, Julia.** (2007) Las canciones en la clase de español, más que un mero pasatiempo. *Taller Anual de Lingüística Aplicada: La Enseñanza del Español como Segunda Lengua*. Stony Brook University, Stony Brook, NY.
- Martínez-González, Julia.** (2006) The Power of Songs: Why and How does Music improve Language Learning?. *I International Conference on Human and Material Resources in Foreign Language Learning*. Universidad Católica de San Antonio, Murcia, Spain.
- Pueyo Zoco, Víctor.** (2006) Literatura colonial y géneros confesionales: una respuesta a la *Respuesta a Sor Filotea* de Juana de Asbaje. *Autobiography, the Law, and the Word*. Vanderbilt University, Nashville, TN.
- Pueyo Zoco, Víctor.** (2006) Member of the organizing committee and moderator. *Letrópolis: espacios urbanos y producción cultural*. Stony Brook University, Stony Brook, NY.
- Pueyo Zoco, Víctor.** (2006) How to Read a Literary Text in a Language Class: Bakhtin and Vygotsky. *Spanish as a Profession*. SUNY College at Old Westbury, Old Westbury, NY.
- Pueyo Zoco, Víctor,** and Rubio-Pueyo, Vicente. (2007) La integración de textos literarios en clase de español: algunos problemas teóricos. *Taller anual de lingüística aplicada: la enseñanza de español como segunda lengua*. Stony Brook University, Stony Brook, NY.
- Pueyo Zoco, Víctor.** (2007) Discursividad y estética en los *Poemas humanos* de César Vallejo. *Changing Generations: Word, Space, and Image*. University of California at Berkeley, Berkeley, CA.
- Rubio-Pueyo, Vicente.** (2006) Methods of teaching Grammar through Culture and Literature. *Teaching Spanish as a Profession: Pedagogy Workshop*. SUNY at Old Westbury, Old Westbury, NY.
- Rubio-Pueyo, Vicente.** (2007) La integración de textos literarios en clase de español: algunos problemas teóricos. *Taller metodológico*. Department of Hispanic Languages and Literature, Stony Brook University, Stony Brook, NY.
- Rubio-Pueyo, Vicente.** (2006) Member of the Organization Committee of *Letrópolis: Espacios urbanos y producción cultural. II Conferencia Anual de estudiantes graduados*. Department of Hispanic Languages and Literature. Stony Brook University, NY.
- Pueyo Zoco, Víctor, and **Rubio-Pueyo, Vicente.** (2007) La integración de textos literarios en clase de español: algunos problemas teóricos. *Taller anual de lingüística aplicada: la enseñanza de español como segunda lengua*. Stony Brook University, Stony Brook, NY.
- Salinas Arandia, Alex.** (2007) Sangre y Memoria en la Literatura Colonial en Los Andes. *The Latin American & Caribbean Studies' 6th Annual Graduate Student Conference, Dialogue and Borders: Rethinking Latin America and the Caribbean*. Stony Brook Manhattan, New York, NY.
- Shepherd, Michelle.** (2007) Gender and the Conquest: A Study of Guatimozin Último Emperador de Mexico. *History as Text, Text as History: School of Languages, Literatures and Cultures 5<sup>th</sup> Annual Graduate Student Conference*. College Park, Maryland.
- Shepherd, Michelle.** (2007) Works In Progress: Representations of Spanish National Identity. *5th International Conference on New Directions in the Humanities*. Paris, France.

## Hispanic Languages, Literatures, and Cultures

- Simpson, Catherine.** (2006) Esas son tu pan de mañana: tourism, seduction, and masculinity in the *destape* contact zone. *Memories of Modernity: An International Conference on Hispanic Cinemas*. Stony Brook Manhattan, New York, NY.
- Urrutia Zarzo, Manuel.** (2007) El desjarretamiento de la razón: El matadero de Echeverría. *16th Colloquium on Hispanic and Luso-Brazilian Literatures and Romance Linguistics: Conflicts and Encounters: Languages and Literatures in Contact*. Department of Spanish and Portuguese, The University of Texas, Austin, TX.
- Wong, Y.L. Mariela.** (2006) ¿Dónde quedan las mujeres? Otro acercamiento al modernismo hispanoamericano. *JALLA 2006: Memorias culturales: circulación del conocimiento en la educación y la sociedad*. Bogotá, Colombia.

### ❖ Post-Doctorates Obtained and Professional Appointments

- Balseca, Fernando.** (2007) Director. PhD Program on Latin American Literature. Área de Letras, *Universidad Andina Simón Bolívar*, Quito, Ecuador.
- Frohlich, Margaret.** (2006-2007) Visiting Assistant Professor. Department of Foreign Languages, *SUNY New Paltz*, New Paltz, NY.
- Montoya, Oscar.** (2006) Cultural lecturer. Department of Romance Languages, *University of Pennsylvania*, Philadelphia, PA.
- Simpson, Catherine.** (2007-2008) Visiting Lecturer. Latin American and Iberian Studies, *University of Richmond*, Richmond, VA.
- Wong, Y.L. Mariela.** (2007) Visiting Lecturer. *SUNY at New Paltz*, New Paltz, NY.

### ❖ Exhibitions/Performances

- Aguasaco, Carlos.** Public reading of “Medialengua”. *The King Juan Carlos I of Spain Center*, New York, NY, 2006.



# HISTORY

GRADUATE DIRECTOR: TOM KLUBOCK

DEPARTMENT CHAIR: NED LANDSMAN

## ❖ Grants, Fellowships, and Awards

**Babic, Annessa Ann.** (2007) Rollins-Schoenecke Travel Grant, \$300.00. Popular Culture/American Culture Associations, East Lansing, MI.

**Creagh, Cynthia Dianne.** (2007) Hibernian Research Award, \$1,250. Cushwa Center for the Study of American Catholicism at Notre Dame, South Bend, IN.

**Elsy, Brenda.** (2007) President's Distinguished Doctoral Student Award. \$500. *Stony Brook University*, Stony Brook, NY.

**Feder, Luke J.** (2006) Curriculum Development Award, \$1,500. SUNY Stony Brook, Stony Brook, NY.

**Feder, Luke J.** (2007) Curriculum Development Award, \$1,500. SUNY Stony Brook, Stony Brook, NY.

**Hoglund, Sarah.** (2006) Bernadotte E. Schmitt Grant, \$1,000. *American Historical Association*, Washington, DC.

**Larkin, Kraig.** (2007) DAAD Research Fellowship, €5,000. German Academic Exchange Service, New York, NY.

**Woulfin, Dan.** (2006) Advocacy Leadership Award. *Stony Brook University - SUNY*, Stony Brook, NY.

## ❖ Singly Authored Publications/Research Reports/Reviews

**Fabella, Yvonne.** (2007) 'An Empire Founded on Libertinage': the Mulâtresse and Colonial Anxiety in Saint Domingue. In N. Jaffary (Ed.), *Gender, Race and Religion in the Colonization of the Americas*. Hampshire, England: Ashgate.

**Jackson Jr., Gregory E.** (2007) Review of *My Father and other Work Class Heroes* by Gary Imlach. *Soccer and Society* 8(1).

**Patnode, Stephen.** (2007) 'Their Lack of Security and Aggression Was Obvious': Gender and the Medicalization of Inebriety in the United States, 1930-50. *Can Bull Med Hist* 24: 67-92.

**Thompson, Katrina.** (in press) Distorted Images in Travel Literature: An Exploration of the Subjugation of Blackness in the Western World. In C. E. Henderson (Ed.), *Imag(in)ing America: The Black Body in Literature*. Rutherford, NJ: FDU Press.

**Thompson, Katrina.** (in press) Blackface. In W.A. Darity (Ed.), *International Encyclopedia of the Social Sciences, 2<sup>nd</sup> Edition*. New York, NY: Macmillan Reference USA/Thomson Gale Publishers.

**Woulfin, Dan.** (2007) Building Student Power: A History of NYPIRG at the State University of New York at Stony Brook, 1974-1992. *Long Island Historical Journal* 19.

## ❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

**Babic, Annessa Ann.** (2007) Doing What They Had to Do: Working Women in the Early Years of the Great Depression, 1930-1932. *How Class Works Conference: Working Class Studies Association Annual Meeting*. Macalester College, Saint Paul, MN.

## History

- Babic, Annessa Ann.** (2007) Wonder Women Fetishes and Fantasies: The Image of the Patriotic Female During World War II. Popular Culture. *Association/American Culture Association Annual Meeting*. Boston, MA.
- Babic, Annessa Ann.** (2007) Undoing Glory: Constructions of Gender and Patriotism in US Society from 1917 to 1972. Popular Culture. *Association/American Culture Association Annual Meeting*. Boston, MA. (Accepted, but not presented)
- Bosco, Christina.** (2007) No Trespassing!: The Boundaries of English National Identity Shaped through Seventeenth Century Land Enclosure. *Perceptions of Land, Forderverin fur Vergleichende Uberseegeschichte*. University of Hamburg, Germany.
- Buffa, Alessandro.** (2006) Black and Italian Youth in the Postwar Bronx. *Third Biennial Conference Urban History Association*. Tempe, AZ.
- Buffett, Neil Philip.** (2007) A River's Place: High School Student Activism and Environmental Protection on Long Island, 1956-1974. *The 28<sup>th</sup> Conference on New York State History*. Cooperstown, NY.
- Creagh, Cynthia Dianne.** (2007) Special Deliveries: The New York Foundling's Baby Train Migration Program. *Nineteenth-Century Studies Association Conference*. Susquehanna University, Selingsgrove, PA.
- Creagh, Cynthia Dianne.** (2007) Are You My Mother? Catholic Boarding Care and the Unadoptable Child Social History Society Conference. Exeter University, England.
- Creagh, Cynthia Dianne.** (2007) Mercenary Mothering: Wet Nurses and Foster Mothers. *New York Foundling Hospital American Culture Association Conference*. Boston, MA.
- Creagh, Cynthia Dianne.** (2007) Catholic Foster Care: The Substitute Mother and the Un-adoptable Child Hebrew. Union College Center for the Study of Ethics and Contemporary Moral Problems Symposium on Poverty, Welfare, and Religion: Family, Gender, and Justice. Cincinnati, OH.
- Creagh, Cynthia Dianne.** (2007) The Cradle and the Tenement Wet Nurse: Feeding Abandoned Waifs. *New York Foundling Asylum Conference on New York State History*. Cooperstown, NY.
- Creagh, Cynthia Dianne.** (2007) Adoptable Jewish Children and the Shifting Legacy of Louise Wise. *Adoption and Culture Conference of the Alliance for the Study of Adoption, Identity and Kinship*. University of Pittsburgh, Pittsburgh, PA.
- Fabella, Yvonne.** (2007) Luxury, Race and the Colonial Citizen: Consumption and Identity in Pre-Revolutionary Saint Domingue. *American Historical Association Annual Meeting*. Atlanta, GA.
- Fabella, Yvonne.** (2007) Rule the Universe through the Power of Your Charms: White Creole Women and Reform in Late-Colonial Saint Domingue. *Association of Caribbean Historians Annual Meeting*. Kingston, Jamaica.
- Hall, Clarence J.** (2007) Prisons, Nature, and Social Reform in New York's Adirondack Wilderness, 1844-1861. *28<sup>th</sup> Annual Conference on New York State History*. Cooperstown, NY.
- Offenbach, Seth.** (2007) The Other Side of Vietnam: The American Right and the Vietnam War. *New Frontiers in Graduate History Conference*. York University, Toronto, Canada.
- Sanfilippo, Stephen N.** (2007) Ramblers & Maidens: Gender, Power, and Chance Encounters in songs collected by Lewis Jones, carpenter, Sag Harbor whaling bark Hamilton, 1845-1848. *Joint Conference of the National Popular Culture and American Culture Associations; Sea Literature, History & Culture session*. Boston, MA.
- Sanfilippo, Stephen N.** (2006) They Prayed Out of the Fish's Belly: Christian Whalers in Sag Harbor Whaleships, 1840-1850. *Stony Brook University, History Department, Fall Colloquium*. Stony Brook, NY.
- Sanfilippo, Stephen N.** (2006) Poor Jacks, Pretty Maidens, and Punitive Patriarch. *John Jermain Library*. Sag Harbor, NY; and *Penobscot Marine Museum*. Searsport, ME.

- Thompson, Katrina.** (2007) Stage of Subjugation: The Development of Black Culture and Whiteness through the Performance Arts. *Collegium for African American Research Conference (CAAR)*, Universidad Nacional de Educacion a Distancia, Madrid/Spain.
- Thompson, Katrina.** (2007) Black Like Me?: Cultural Representations and Professional Responsibility. *Panelist Member with a Symposium for the Notre Dame Law School Student Bar Association and Black Law Student Association*. University of Notre Dame, Notre Dame, IN.
- Thompson, Katrina.** (2007) Acting Black, Being Black: Images and Realities of African Americans In Popular Culture. *Panelist Member, Fourth Annual Erskine A. Peters Symposium*. University of Notre Dame, Notre Dame, IN.
- Van Cleef, Ron.** (2006) A Transnational Perspective on Homosexual Identity in West Germany. *International History Workshop at Temple University's Center for the Study of Force and Diplomacy*. Philadelphia, PA.

#### ❖ Post-Doctorates Obtained and Professional Appointments

- Alonso, Miguel Che.** (2006) Assistant Professor. Department of History, *Nassau Community College*, Garden City, New York, NY.
- Barreto, Norberto.** (2007) Lecturer. *University of Puerto Rico*, San Juan, Puerto Rico.
- Chesterton, Bridget.** (2007) Assistant Professor. *Buffalo State University*, Buffalo, NY.
- Creagh, Cynthia Dianne.** (2006) Assistant Professor. *Pennsylvania State University at York*, York, PA.
- Doyle, Dennis.** (2006) Lecturer. *Mississippi State University*, Starkville, MI.
- Feder, Luke J.** (2006-2007) Visiting Scholar. McNeil Center for Early American Studies, *University of Pennsylvania*, Philadelphia, PA.
- Gangloff, Amy.** (2006) Assistant Professor. *Mississippi State University*, Starkville, MI.
- Hubbell, Jeremy W.** (2007) Adjunct Professor. *City College*, New York, NY.
- James, Alfred S.** (2006) Manager. Internship Program, *SUNY Stony Brook*, Stony Brook, NY.
- LoFaro, Guy A.** (2007) Analyst. DCM, *GAO*, Atlanta, GA.
- Reichardt, Eike.** (2006) Adjunct Professor. *C. W. Post College*, Brookville, New York, NY.
- Thompson, Katrina.** (2007) Visiting Assistant Professor. History Department. *Roanoke College*, Salem, VA.
- Tolin-Schultz, Alexandra.** (2006) Adjunct Professor. *Austin Peay State University*, Clarksville, TN.

#### ❖ Exhibitions/Performances

- Sanfilippo, Stephen N.** (solo). Historic Songs of American Whalers and Seamen. *Penobscot Marine Museum*, Searsport, ME; *First Presbyterian Church (Old Whalers' Church)*, Sag Harbor, NY; *Fire Island National Seashore, Otis Pike Center, Mastic Beach*, NY; *Hampton Public Library*, Bridgehampton, NY; *Canio's Books Arts & Literature lecture series*, Sag Harbor, NY; *East Hampton Town Marine Museum*, Amagansett, NY; *Bellport Historical Society*, Bellport, NY; and *3-Village Historical Society*, Setauket, NY, 2006.

# LINGUISTICS

GRADUATE DIRECTOR: ALICE C. HARRIS  
DEPARTMENT CHAIR: DANIEL FINER

## ❖ Grants, Fellowships, and Awards

- An, Young-ran.** (2006) Research Access Program, \$250. *GSO, Stony Brook University, Stony Brook, NY.*
- An, Young-ran.** (2007) GSEU Professional Development Award. \$225. *CWA1104/GSEU, Stony Brook University, Stony Brook, NY.*
- An, Young-ran.** (2007) Israel Wilenitz Graduate Student Research Award. *SBU Department of Linguistics, Stony Brook, NY.*
- Antonyuk, Svitlana.** (2006) Israel Wilenitz Graduate Student Research Award. *SBU Department of Linguistics, Stony Brook, NY.*
- Antonyuk, Svitlana.** (2006) Research Access Program. \$250. *GSO, Stony Brook University, Stony Brook, NY.*
- Antonyuk, Svitlana.** (2007) GSEU Professional Development Award, \$225. *CWA1104/GSEU, Stony Brook University, Stony Brook, NY.*
- Borroff, Marianne L.** (2007) Israel Wilenitz Graduate Student Research Award. *SBU Department of Linguistics, Stony Brook, NY.*
- de Cuba, Carlos.** (2007) Israel Wilenitz Graduate Student Research Award. *SBU Department of Linguistics, Stony Brook, NY.*
- Huidobro, Susana.** (2006) Israel Wilenitz Graduate Student Research Award. *SBU Department of Linguistics, Stony Brook, NY.*
- Huidobro, Susana.** (2006) Research Access Program, \$250. *GSO, Stony Brook University, Stony Brook, NY.*
- Hwang, Jiwon.** (2006) Israel Wilenitz Graduate Student Research Award. *SBU Department of Linguistics, Stony Brook, NY.*
- Kawamura, Tomoko.** (2007) Israel Wilenitz Graduate Student Research Award. *SBU Department of Linguistics, Stony Brook, NY.*
- Kim, Miran.** (2007) Israel Wilenitz Graduate Student Research Award. *SBU Department of Linguistics, Stony Brook, NY.*
- Kim, Miran.** (2007) Korea University Alumni Scholarship, \$3,000. *Korea University Easter US Alumni Association, New York, NY.*
- Kim, Hyun-ju.** (2006) Presidential Fellowship. \$2,500. *Stony Brook University, Stony Brook, NY.*
- Lu, Yu-an.** (2006) LST Thesis Award, Honorable Mention. *Linguistic Society of Taiwan. Taipei, Taiwan.*
- Lu, Yu-an.** (2006) Presidential Fellowship. \$4,000. *Stony Brook University, Stony Brook, NY.*
- Mykhaylyk, Roksolana.** (2006) Israel Wilenitz Graduate Student Research Award. *SBU Department of Linguistics, Stony Brook, NY.*
- Mykhaylyk, Roksolana.** (2006) Research Access Program, \$250. *GSO, Stony Brook University, Stony Brook, NY.*

- Mykhaylyk, Roksolana.** (2007) GLOW Travel Grant, €300. *GLOW30 Organizing Committee*, Tromsø, Norway.
- Nishiguchi, Sumiyo.** (2006) Presidential Fellowship. \$2,500. *Stony Brook University*, Stony Brook, NY.
- Romanchuk-Weisenberg, Julia C.** (2006) Israel Wilenitz Graduate Student Research Award. *SBU Department of Linguistics*, Stony Brook, NY.
- Scott, Tanya.** (2007) Israel Wilenitz Graduate Student Research Award. *SBU Department of Linguistics*, Stony Brook, NY.
- Shu, Chih-hsiang.** (2006) Israel Wilenitz Graduate Student Research Award. *SBU Department of Linguistics*, Stony Brook, NY.
- Shu, Chih-hsiang.** (2007) GSEU Professional Development Funds, \$225. *CWA1104/GSEU*, Stony Brook University, Stony Brook, NY.
- Shu, Chih-hsiang.** (2006) Research Access Program, \$250. *GSO*, Stony Brook University, Stony Brook, NY.
- Shu, Chih-hsiang.** (2006) Presidential Fellowship. \$2,500. *Stony Brook University*, Stony Brook, NY.
- Takahashi, Hisako.** (2006) Presidential Fellowship. \$4,000. *Stony Brook University*, Stony Brook, NY.
- Tarabac, Irina.** (2007) Summer Institute Scholarship, \$2,000. *The Linguistic Society of America*, Washington, DC.
- Weissman, Georgia.** (2006) Presidential Fellowship. \$2,500. *Stony Brook University*, Stony Brook, NY.
- Xu, Zheng.** (2007) GSEU Professional Development Funds, \$225. *CWA1104/GSEU*, Stony Brook University, Stony Brook, NY.

#### ❖ Singly Authored Publications/Research Reports/Reviews

- Kawamura, Tomoko.** (2006) Concealed Sentential Complement of an Informational Transferring Construction. In T. Kawamura, Y. Suh, and R.K. Larson (Eds.), *Intensionality and Sentential Complementation*, Stony Brook University Occasional Papers of Linguistics 1. Stony Brook, NY: Stony Brook University.
- Kawamura, Tomoko.** (in press) The Causal Wh-phrase Naze in Japanese Cleft Constructions. In Y. Takubo (Ed.), *Proceedings of Japanese Korean Linguistics 16*. Stanford, CA: CSLI Publications.
- Nishiguchi, Sumiyo.** (in press) Monogatariibun no Genzai Jisei ni okeru Shiten to Bunmyaku no Henka, (Narrative Present and Viewpoint) - Context Shifts. In S. Kawakami, and K. Taniguchi (Eds.), Eds. *Kotoba to Shiten (Language and Viewpoint)*, *Handai Eibungakkai Soshu 4*. Tokyo, Japan: Eiosha.
- Nishiguchi, Sumiyo.** (2007) Covert Emotive Modality Is a Monster. In T. Washio, K. Satoh, H. Takeda, A. Inokuchi (Eds.), *Lecture Notes in Artificial Intelligence: New Frontiers in Artificial Intelligence: Joint JSAI 2006 Workshop Post-Proceedings*. Berlin, Heidelberg: Springer-Verlag.
- Nishiguchi, Sumiyo.** (2007) Polymorphic Quantifier. In K. Yoshimoto (Ed.), *Proceedings of Logic and Engineering of Natural Language Semantics 2007*. Miyazaki, Japan.
- Romanchuk-Weisenberg, Julia C.** (in press) Mouthing: A Discourse Strategy in Spoken Language-to-Signed Language Interpretation. *Proceedings of the Bilbao-Deusto Conference in Linguistics*. Bilbao, Spain.
- Shu, Chih-hsiang.** (2006) The Syntax of High Adverbs: Some Evidence from Chinese and English. *Proceedings of SICOL 2006*:583-591.

- Suh, Yunju.** (2007) A Biclausal Analysis of Korean Psych Adjective Constructions. In M. Kelepir, and B. Oztürk (Eds.), *Proceedings of Workshop on Altaic Formal Linguistics (WAFL 2)*. Cambridge, MA: MIT Working Papers in Linguistics.
- Suh, Yunju.** (in press) Two forms of negation in Korean -- a uniform analysis. *Proceedings of Workshop on Altaic Formal Linguistics (WAFL 3)*. Cambridge, MA: MIT Working Papers in Linguistics.
- Xu, Zheng.** (2007) An Optimality-Theoretic Account of Full and Partial Identity of Forms. *Penn Working Papers in Linguistics 13.1*: 421-434.

### ❖ Jointly Authored Publications/Research Reports/Reviews

- de Cuba, Carlos,** and Kawamura, Tomoko. (2007) Intensionality and Extraction as Reflexes of Syntactic Structure. *Proceedings of ConSOLE XV*. Brussels, Belgium.
- de Cuba, Carlos, and **Kawamura, Tomoko.** (2007) Intensionality and Extraction as Reflexes of Syntactic Structure. *Proceedings of ConSOLE XV*. Brussels, Belgium.
- Xu, Zheng,** Aronoff, M. and Anshen, F. (2007) Deponency in Latin. In Matthew Baerman, Greville G. Corbett, Dunstan Brown, and Andrew Hippisley (Eds.), *Deponency and Morphological Mismatches*. Oxford: Oxford University Press.

### ❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

- An, Young-ran.** (2006) Gradient Phonotactics: Evidence from Korean Reduplication. *The 14<sup>th</sup> Annual UT Arlington Student Conference in Linguistics and TESOL*. The University of Texas at Arlington, Arlington, TX.
- An, Young-ran.** (2006) Stochastic Phonological Knowledge Found in Korean Reduplication. *The 8<sup>th</sup> Annual SUNY/CUNY/NYU Mini-Conference on Linguistics*. Stony Brook University, Stony Brook, NY.
- An, Young-ran.** (2006) The Gradient OCP: Evidence from Korean Reduplication. *2006 Bilbao-Deusto International Student Conference in Linguistics (BIDE '06)*. Universidad de Duesto, Bilbao, Spain.
- An, Young-ran.** (2007) Korean *tul* and English *all*. *The 5<sup>th</sup> Workshop in General Linguistics*. University of Wisconsin-Madison, Madison, WI.
- An, Young-ran.** (2007) Korean *tul* as an event pluralizer. *The 2007 Meeting of the Linguistic Society of America*. Hilton Hotel and Towers, Anaheim CA.
- Antonenko, Andrei.** (2006) Indicative-Subjunctive Distinction and Long-Distance Scrambling in Russian. *The 8<sup>th</sup> Annual CUNY/SUNY/NYU Mini-Conference on Linguistics*. Stony Brook University, Stony Brook, NY.
- Antonenko, Andrei,** and Frabetti, A. (2007) GSO Survey and Virtual Forum. *National Association of Graduate-Professional Students Northeast Regional Conference*. Massachusetts Institute of Technology, Cambridge, MA.
- Antonyuk, Svitlana.** (2006) Reconstruction for Scope and Weak Crossover Effect in Russian: Evidence for QR Analysis. *The 8<sup>th</sup> Annual CUNY/SUNY/NYU Mini-Conference on Linguistics*. Stony Brook University, Stony Brook, NY.
- Antonyuk, Svitlana.** (2006) Scope of Quantified NPs in Russian: A Case for Movement Analysis. *SLS2006: The First Conference of the Slavic Linguistics Society*. Indiana University,

Bloomington, IN.

- Borroff, Marianne L.** (2007) Gestural Reorganization as the Source of Glottalized Consonants in Underlying C? and ?C. *The 2007 Meeting of the Linguistic Society of America*. Hilton Hotel and Towers, Anaheim, CA.
- de Cuba, Carlos,** and Kawamura, Tomoko. (2006) Three Levels of Intensionality, Three Patterns of Extraction. *The 8<sup>th</sup> Annual CUNY/SUNY/NYU Mini-Conference on Linguistics*. Stony Brook University, Stony Brook, NY.
- Franco, J., and **Huidobro, Susana.** (2006) Ethical Datives, Clitic Doubling and the Theory of *pro*. *The 10<sup>th</sup> Hispanic Linguistics Symposium*. The University of Western Ontario, London, ON, Canada.
- Hwang, Jiwon,** and Tsernadeli, G. (2006) Disambiguation in Non-native Speech. *The 152<sup>nd</sup> Meeting of the Acoustical Society of America*. Honolulu, HI.
- Hwang, Jiwon,** Broselow, E., de Leon, S., and Squires, N. (2007) Minimizing the Distance Between Perception and Production. *The 2007 Meeting of the Linguistic Society of America*. Hilton Hotel and Towers, Anaheim, CA.
- Kawamura, Tomoko.** (2006) The Causal Wh-phrase Naze in Japanese Cleft Constructions. *16<sup>th</sup> Annual Japanese Korean Linguistics Conference*. Kyoto University, Japan.
- de Cuba, Carlos, and **Kawamura, Tomoko.** (2006) Three Levels of Intensionality, Three Patterns of Extraction. *The 8<sup>th</sup> Annual CUNY/SUNY/NYU Mini-Conference on Linguistics*. Stony Brook University, Stony Brook, NY.
- Kim, Miran.** (2006) Multiple Cue Interpretation in Non-native Phoneme Perception: Korean Listeners' Perception of English /s/ in Varied Prosodic Contexts. *The 4<sup>th</sup> Joint meeting of the Acoustical Society of America and the Acoustical Society of Japan*. Honolulu, HI.
- Kim, Miran.** (2006) Prosodic Effects on Segments and Non-native Phoneme Perception: A Case Study of English /s/ by Korean Listeners. *The 8<sup>th</sup> Annual CUNY/SUNY/NYU Mini-Conference on Linguistics*. Stony Brook University, Stony Brook, NY.
- Lu, Yu-an.** (2007) UM Infixation in Thao. *AFLA 14: The 14 Annual Meeting of the Austronesian Formal Linguistic Association*. McGill University. Montreal, Canada.
- Mykhaylyk, Roksolana,** and Ko, H. (2007) Acquisition of Object Scrambling by Bilingual Ukrainian Children: The Role of Specificity. *GASLA 9: Generative Approaches to Second Language Acquisition*. University of Iowa, Iowa City, IA.
- Mykhaylyk, Roksolana,** and Ko, H. (2007) Object Scrambling and Specificity in Bilingual English/Ukrainian Acquisition. *FASL16: The 16<sup>th</sup> Annual Workshop on Formal Approaches to Slavic Linguistics*. Stony Brook University, Stony Brook, NY.
- Mykhaylyk, Roksolana,** and Ko, H. (2007) Object Scrambling in Bilingual Ukrainian/English Acquisition: The Effect of Specificity. *Generative Linguistics in the Old World (GLOW30)*. Tromsø, Norway.
- Mykhaylyk, Roksolana.** (2006) Direct Object Raising in Ukrainian. *The First Conference of the Slavic Linguistics Society (SLS2006)*. Indiana University, Bloomington, IN.
- Mykhaylyk, Roksolana.** (2006) Order of Constituents in the Ukrainian Synthetic Imperfective Future. *The 8<sup>th</sup> Annual SUNY/CUNY/NYU Mini-Conference on Linguistics*. Stony Brook University, Stony Brook, NY.
- Mykhaylyk, Roksolana.** (2006) Ukrainian Future Tense in the Theory of Grammaticalization. *American Association Teachers of Slavic and Eastern European Languages Annual Meeting (AATSEEL)*. Philadelphia, PA.
- Nishiguchi, Sumiyo.** (2006) Categorical Ambiguities of Possessives and Adjectives. *The 8<sup>th</sup> Annual CUNY/SUNY/NYU Mini-Conference on Linguistics*. Stony Brook University, Stony Brook, NY.

## Linguistics

- Nishiguchi, Sumiyo.** (2007) Fake Past and Contexts. *The 2007 Meeting of the Linguistic Society of America*. Hilton Hotel and Towers, Anaheim, CA.
- Nishiguchi, Sumiyo.** (2007) The Dasenach Imperfect. *The 38<sup>th</sup> Annual Conference on African Linguistics (ACAL38)*. University of Florida, Gainesville, FL.
- Nishiguchi, Sumiyo.** (2007) The Prosodic Morpheme in Dasenach. *The 35<sup>th</sup> North American Conference on Afroasiatic Linguistics (NACAL 35)*. San Antonio, TX.
- Romanchuk-Weisenberg, Julia C.** (2006) Mouthing: A Discourse Strategy in Spoken Language-to-Signed Language Interpretation. *Bilbao-Deusto International Student Conference in Linguistics (BIDE '06)*. Universidad de Deusto, Bilbao, Spain.
- Romanchuk-Weisenberg, Julia C.** (2007) From 'Telephone' to 'Dial-Tone': The Impact of Real-Time Interpretation on American Sign Language and Deaf-Interpreter Relations. *Linguistics Department Brown Bag Series*. Stony Brook University, Stony Brook, NY.
- Shu, Chih-hsiang.** (2006) The Syntax of High Adverbs: Some Evidence from Chinese and English. *The International Conference on East Asian Linguistics (ICEAL)*. Toronto, ON, Canada.
- Shu, Chih-hsiang.** (2007) The Syntax of Sentential Adverbs in Chinese. *Joint Conference of the 15<sup>th</sup> International Association of Chinese Linguistics (IACL-15) and the 19<sup>th</sup> North American Conference on Chinese Linguistics (NACCL-19)*. Columbia University, New York, NY.
- Suh, Yunju.** (2006) Late Insertion and Linearization in Korean Negation. *Workshop on Altaic Formal Linguistics 3 (WAFL3)*. Moscow State University, Moscow, Russian Federation.
- Suh, Yunju.** (2006) Nominal Suffix Allomorphy in Korean. *The 8<sup>th</sup> Annual CUNY/SUNY/NYU Mini-Conference on Linguistics*. Stony Brook University, Stony Brook, NY.
- Weissman, Georgia.** (2007) Moroccan Arabic Consonant Harmony. *CUNY Phonology Forum: Conference on Precedence Relations*. CUNY Graduate Center, New York, NY.
- Xu, Zheng,** and Duanmu, S. (2007) Chinese [A N] and [N N] Revisited. *Joint Conference of the 15<sup>th</sup> International Association of Chinese Linguistics (IACL-15) and the 19<sup>th</sup> North American Conference on Chinese Linguistics (NACCL-19)*. Columbia University, New York, NY.
- Xu, Zheng.** (2007) A Serial Constraint-based Approach to Avoidance of Repetition of Identical Morphs. *The 2007 Meeting of the Linguistic Society of America*. Hilton Hotel and Towers, Anaheim, CA.
- Xu, Zheng.** (2007) An Input-Driven Model of Second Language Acquisition. *Department of Chinese Studies Guest Lecture Series*. National University of Singapore, Singapore; *Department of East Asian Languages and Cultures Colloquium Series*, Indiana University, Bloomington, IN.

### ❖ Post-Doctorates Obtained and Professional Appointments

- Borroff, Marianne L.** (2007) Preceptor. Institute for English Language Programs, *Harvard University*, Cambridge, Massachusetts.
- Romanchuk-Weisenberg, Julia C.** (2006) Adjunct Lecturer. Department of Teaching and Learning, *Long Island University*, Brooklyn, New York.
- Romanchuk-Weisenberg, Julia C.** (2007) Adjunct Lecturer. Department of Middle and High School Education, *Lehman College, The City University of New York*. Bronx, New York.



# SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES

GRADUATE DIRECTOR: ANNE MCELROY

## ❖ Grants, Fellowships, and Awards

- Abramson, Lynn.** (2007) Finalist, John.A. Knauss Marine Policy Fellowship. National Sea Grant Office, *National Oceanic and Atmospheric Administration*, Washington, DC.
- Abramson, Lynn.** (2006) Schubel Fellowship, \$4,000. *Marine Sciences Research Center, Stony Brook University*, Stony Brook, NY.
- Abramson, Lynn.** (2006) Graduate Council Fellowship, \$4,686. *Stony Brook University*, Stony Brook, NY.
- Abramson, Lynn.** (2006) Sigma Xi Travel Award, \$100. *Stony Brook University Chapter of Sigma Xi*, Stony Brook, NY.
- Abramson, Lynn.** (2006) Outstanding Student Paper Award, \$50. *American Geophysical Union*, Honolulu, HI.
- Clarke, Lora M.** (2007) Finalist, John.A. Knauss Marine Policy Fellowship. National Sea Grant Office, *National Oceanic and Atmospheric Administration*, Washington, DC.
- Clarke, Lora M.** (2006) Outstanding Student Paper Award. *American Society of Limnology and Oceanography/American Geophysical Union*, Honolulu, HI.
- Coffey, Ruth.** (2007) Outstanding Student Paper Award. *American Geophysical Union*. Acapulco, Mexico
- Doherty, Owen M.** (2006) Evan R. Liblit Memorial Scholarship, \$3,000. *Evan R. Liblit Memorial Scholarship Committee*, Stony Brook, NY.
- Lucas, Lisanne.** (2007) Finalist, John.A. Knauss Marine Policy Fellowship. National Sea Grant Office, *National Oceanic and Atmospheric Administration*, Washington, DC.
- O’Connell, Christine.** (2006) Schubel Fellowship, \$4,000. *Marine Sciences Research Center, Stony Brook University*, Stony Brook, NY.
- Pan, Jerónimo.** (2006-present). New York SeaGrant Institute Fellowship. *New York SeaGrant Institute*, Stony Brook, NY.
- Protopopescu, Nuria.** (2007) NSF Student Scholarship, 11<sup>th</sup> Annual Green Chemistry and Engineering Conference. *Green Chemistry Institute, American Chemical Society*, Washington, DC.
- Rountos, Konstantine.** (2007) Fulbright Fellowship – Greece. *U.S. Department of State*, Washington, DC.
- Zulkosky, Ann.** (2007-2008) Dean A. Knauss Marine Policy Fellowship. *National Sea Grant Program, National Oceanic and Atmospheric Administration*, Washington, DC.

## ❖ Jointly Authored Publications/Research Reports/Reviews

- Lyons, M.M., Lau, Y., **Carden, W.E.**, Ward, J.E., Roberts, S.B., Smolowitz, R., Vallino, J., and Allam, B. (in press) Characteristics of marine aggregates in shallow-water ecosystems: implications for disease ecology. *EcoHealth*.

- Conover, D.O., **Clarke, Lora M.**, Munch, S.B., and Wagner, G.N. (2006) Spatial and temporal scales of adaptive divergence in marine fishes and implications for conservation. *Journal of Fish Biology* 69(Supplement C): 21-47.
- Riemer, N., **Doherty, Owen M.**, and Hameed, S. (2006) On the variability of African dust transport across the Atlantic. *Geophys. Res. Lett.* 33: doi:10.1029/2006GL026163.
- Ingalls, A.E., **Liu, Zhanfei**, and Lee, C. (2006) Seasonal and latitudinal trends in source and diagenesis of sinking particles in the Pacific sector of the Southern Ocean: insights from amino acids, pigments and opal-bound amino acids. *Deep-Sea Research I* 53: 836-859.
- Liu, Zhanfei**, and Lee, C. (2006) Drying effects on sorption capacity of coastal sediment: the importance of architecture and polarity of organic matter. *Geochimica et Cosmochimica Acta* 70: 3313-3324.
- Liu Z.**, Lee, C., and Wakeham, S.G. (2006) Effects of mercuric chloride and protease inhibitor on degradation of particulate organic matter from a diatom. *Organic Geochemistry* 37:1003-1018.
- Liu Z.**, and Lee C. (in press) The role of organic matter in the sorption capacity of marine sediments. *Marine Chemistry*.
- O'Connell, Christine**, and Swanson, R.L. (2006) Reading, Writing, Recycling (Op-ed). *The New York Times Long Island Section* September 24:15.
- Swanson, R.L., and **O'Connell, Christine**. (2007) Turn on the Tap (Op-ed). *The New York Times Long Island Section* April 22: 15.
- Olson, Joseph B.**, Colle, B.A., Bond, N.A., and Winstead, N. (in press) A comparison of two coastal barrier jet events along the southeast Alaskan coast during the SARJET field experiment. *Monthly Weather Review*.
- Olson, Joseph B.**, and Colle, B.A. (in press) A modified approach to initialize an idealized extratropical cyclone within a mesoscale model. *Monthly Weather Review*.
- Winstead, Nathaniel, Colle, Brian A., Bond, Nicholas A., Young, George, **Olson, Joseph B.**, Loescher, Kenneth, Monaldo, Frank, Thompson, Donald, and Pichel, William. (2006) Using SAR remote sensing, field observations, and models to better understand coastal flows in the Gulf of Alaska. *Bull. Amer. Met. Soc.* 87:787-800.
- Zhang, M., and **Song, H.** (2006) Evidence of Deceleration of Atmospheric Vertical Overturning Circulation over the Tropical Pacific. *Geophys Res Lett* 33: doi:10.1029/2006GL025942.
- Song, H.**, and Zhang, M. (2007) Changes of the Boreal-Winter Hadley Circulation in the NCEP/NCAR and ECMWF Reanalyses: A Comparative Study. *Journal of Climate*. (in press)
- Goutx, M., Wakeham S.G., Lee, C., Moriceau, B., Guigue, C., Duflos, M., Liu, Zhanfei, Sempere, R., **Tedetti, M.**, and Xue, Jianhong. (in press) Composition and degradation of sinking particles with different settling velocities. *Limnology and Oceanography*.
- Stewart, G., Cochran, J.K., **Xue, Jianhong**, Lee, C., Wakeham, S.G., Armstrong, R.A., and Masque, P. (2007) Exploring the use of <sup>210</sup>Po as a tracer of organic matter flux in the northwestern Mediterranean. *Deep-Sea Res. I.* 54:415-427.
- Goutx, M., Wakeham S.G., Lee, C., Moriceau, B., Guigue, C., Duflos, M., Liu, Zhanfei, Sempere, R., Tedetti, M., and **Xue, Jianhong**. (in press) Composition and degradation of sinking particles with different settling velocities. *Limnology and Oceanography*.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposia, Workshops**

- Abramson, Lynn**, Lee, C., Wakeham, S.G., Cochran, J.K., and Aller, R.C. (2007) Organic composition of particulate organic matter: implications for the exchange of material between suspended and

- sinking particles. *Aquatic Sciences Meeting, American Society of Limnology and Oceanography*. Santa Fe, NM.
- Velez, José, Fabres, J., Tesi, T., **Abramson, Lynn**, Lee, C., and Calafat, A. (2007) Organic matter isotopic and pigment composition as markers of the provenance and transport of particulate matter at the Gulf of Lion upper margin. *Aquatic Sciences Meeting, American Society of Limnology and Oceanography*. Santa Fe, NM.
- Abramson, Lynn**. (2006) Invited Participant. *Ocean Literacy Workshop*. Aquarium of the Pacific, Long Beach, CA.
- Carden, W.E.**, Lau, Y., Lyons, M., Ward, J. E., Smolowitz, R., Vallino, J., and Allam, B. (2006) Lethal marine snow: pathogenic bacteria and protists in marine aggregates. *Ecology of Infectious Diseases Meeting*. Atlanta, GA.
- Clarke, Lora M.**, Walther, B.D., Munch, S.B., Thorrold, S.R., and Conover, D.O. (2006) Use of otolith geochemistry to determine population connectivity in a locally adapted marine species. *William R. and Lenore Mote International Symposium in Fisheries Ecology*. Sarasota, FL.
- Clarke, Lora M.**, Walther, B.D., Munch, S.B., Thorrold, S.R., and Conover, D.O. (2006) Use of otolith geochemistry to determine population connectivity in a locally adapted marine species. *American Fisheries Society*. Lake Placid, NY.
- Clarke, Lora M.**, Walther, B.D., Munch, S.B., Thorrold, S.R., and Conover, D.O. (2006) Use of otolith geochemistry to determine population connectivity in a locally adapted marine species. *Fisheries Society of the British Isles Annual Symposium*. Aberdeen, Scotland.
- Coffey, Ruth**, B.L. Mayers, L. Nurse, and H. Bokuniewicz. (2007) Submarine Groundwater Discharge (SGD) in Barbados Linking Population and the Environment. *American Geophysical Union Joint Assembly*. Acapulco, Mexico.
- Dahl, S.**, Perrigault M., and Allam, B. (2006) Tolerance of Different Hard Clam Stocks to Various Isolates of Quahog Parasite Unknown (QPX). *9th International Conference on Shellfish Restoration*. Charleston, SC.
- Doherty, Owen M.**, and Riemer, N. (2007) Intercontinental Transport of Saharan Mineral Dust. 2007 *Federation of New York Solid Waste Associations Conference*. Lake George, NY.
- Doherty, Owen M.**, Riemer, N., and Hameed, S. (2007) On the Seasonal and Annual Variability of Saharan Mineral Dust in the Caribbean. *2007 Joint Assembly of the American Geophysical Union*. Acapulco, Mexico.
- Duffy, T.A.**, Conover, D., and McElroy, A. (2006) Geographic variation in population response to endocrine disruption in the Atlantic silversides. *American Fisheries Society 136<sup>th</sup> Annual Meeting*. Lake Placid, NY; and *William R. and Lenore Mote International Symposium in Fisheries Ecology*. Sarasota, FL.
- Hice, Lyndie A.**, and Conover, D.O. (2006) Geographic variation in Atlantic silverside vertebral number: the interplay between local adaptation and gene flow. *William R. and Lenore Mote International Symposium in Fisheries Ecology*. Sarasota, FL; and *American Fisheries Society 136<sup>th</sup> Annual Meeting*. Lake Placid, NY.
- Liu, Zhanfei**, Lee, C., and Wakeham, S. (2006) MEDFLUX: Effects of mercuric chloride and protease inhibitor on degradation of particulate organic matter. *ASLO/AGU/TOS Ocean Science Conference*. Honolulu, HI.
- Lee C., **Liu, Zhanfei**, Wakeham, S., and Armstrong, R. (2006) MEDFLUX: Use of amino acid degradation indices to examine exchange between sinking and suspended particles. *ASLO/AGU/TOS Ocean Science Conference*. Honolulu, HI.
- Engel, A., J. Szlosek, L. Abramson, **Liu, Zhanfei**, G. Stewart, D. Hirschberg, and C. Lee. (2006) Importance of calcareous shells in aggregate formation and particle decomposition for the coccolithophorid *Emiliana huxleyi*. *ASLO/AGU/TOS Ocean Science Conference*. Honolulu, HI.

- Goutx, M., Wakeham, S., Lee, C., Moriceau, B., **Liu, Zhanfei**, Guigue, C., Duflos, M., Xue, J., Peterson, M., and Putnam, I. (2006) Composition and degradation of marine particles with different settling velocities from MedFlux experiments. *ASLO/AGU/TOS Ocean Science Conference*. Honolulu, HI.
- Liu, Zhanfei**, Lee C, Zhu Q., Aller, R, and Batista F. (2007) Use of a fluorescent probe to investigate the three-dimensional structure of sedimentary organic matter. *ASLO/AGU/TOS Ocean Science Conference*. Honolulu, HI.
- O'Connell, Christine**. (2006) Invited Participant. *Ocean Literacy Workshop*. Aquarium of the Pacific, Long Beach, CA.
- O'Connell, Christine**. (2006) Marine Zoning and Ecosystem Based Management: A feasibility study for Long Island Sound. *The Long Island Sound Study Citizens Advisory Committee and Science and Technical Advisory Committee Annual Meeting*. Bridgeport, CT.
- Olson, Joseph B.**, and Colle, B.A. (2006) A comparison of two barrier jet events along the southeast Alaskan coast during the SARJET experiment. *Mountain Meteorology Conference*. Santa Fe, NM.
- Pagano, M.**, Escribano, D., and Taylor, G.T. (2007) Effects of Seawater Constituents and Non-Receptive Host cells on Viral Decay Rates. *Winter 2007 American Society for Limnology and Oceanography (ASLO) Conference*. Santa Fe, NM.
- Pan, Jerónimo**, Cerrato, R.M., and Lonsdale, D.J. (2006) The effect of ribbed mussels (*Geukensia demissa*) on the planktonic community of coastal embayments. A mesocosm experimental approach. *VI Jornadas Nacionales de Ciencias del Mar (6th National Marine Science Conference)*. Puerto Madryn, Argentina.
- Pan, Jerónimo**, and Lopez, G.R. (2006) Post-ingestive digestion in small-scale deposit-feeding annelids: a new methodological approach. *VI Jornadas Nacionales de Ciencias del Mar (6th National Marine Science Conference)*. Puerto Madryn, Argentina.
- Pan, Jerónimo**, Cerrato, R.M., and Lonsdale, D.J. (2007) Grazing selectivity of ribbed mussels (*Geukensia demissa*) to different noxious phytoplankton. *Benthic Ecology Meeting 2007*. Atlanta, GA.
- Rountos, Konstantine, and **Peterson, B.J.** (2007) Approaches in evaluating the effects of sulfide toxicity among other multiple stressors in Eelgrass meadows in Great South Bay, NY. *2007 Benthic Ecology Meeting*. Atlanta, GA.
- Rountos, Konstantine**. (2006) Knowing the Seafood you Serve. *Connecticut Pan Gregorian Enterprise Monthly Meeting*. New Haven, CT.
- Rountos, Konstantine**, and Peterson, B.J. (2007) Approaches in evaluating the effects of sulfide toxicity among other multiple stressors in Eelgrass meadows in Great South Bay, NY. *2007 Benthic Ecology Meeting*. Atlanta, GA.
- Szlosek, Jennifer**, Engel, A., Lee, C., and Armstrong, R.A. (2007) Coagulation efficiency of phytoplankton cells during different growth stages and its relationship to exopolymer particle properties. *American Society of Limnology and Oceanography Aquatic Sciences Meeting*. Santa Fe, NM.
- Xue, Jianhong**, and Armstrong R.A. (2007) A new method for estimating settling velocities of sinking particles in the open ocean. *Research Expo 2007*. Old Dominion University, Norfolk, VA.

❖ **Post-Doctorates Obtained and Professional Appointments**

- Abramson, Lynn**. (2007) Volunteer Coordinator. *National Ocean Sciences Bowl*, Stony Brook, NY.
- Abramson, Lynn**. (2007) Instructor, K-12 Grade Teacher Training Workshop on Marine Science. *Long*

*Island Group Advancing Science Education, Stony Brook University, Southampton, NY.*

**Abramson, Lynn.** (2007) Instructor, undergraduate course in Oceanography. *Stony Brook University, Stony Brook, NY.*

**Abramson, Lynn.** (2006) Elected Student Representative. American Society of Limnology & Oceanography Board of Directors.

**Abramson, Lynn.** (2006) Rapporteur. *Ecosystem-Based Management Workshops, New York Department of State, Stony Brook University and Seamen's Institute, Stony Brook and New York, NY.*

**Liu, Zhanfei.** (2006) Post doctorate. Chemistry and Biochemistry Department, *Old Dominion University, Norfolk, VA.*

**O'Connell, Christine.** (2006) Rapporteur. *Ecosystem-Based Management Workshops, New York Department of State, Stony Brook University and Seamen's Institute, Stony Brook and New York, NY.*

**Szlosek, Jennifer.** (2006) Visiting Scientist. Biogeology, *Alfred Wegener Institute for Polar and Marine Sciences, Bremerhaven, Bremen, Germany.*

❖ **Internship Appointments**

**Clarke, Lora M.** (2006) Woods Hole Visiting Student. *Woods Hole Oceanographic Institution, Woods Hole, MA.*

**Rountos, Konstantine.** (2006 - current) Seafood Research Intern. *Blue Ocean Institute, Cold Spring Harbor, NY USA.*

❖ **Software Developed**

**Olson, Joseph B.** (2006) Idealized Baroclinic Wave Initialization Scheme. This product creates idealized baroclinic wave initial conditions for state of the art mesoscale numerical weather prediction models (i.e. MM5 or WRF). *Institute for Terrestrial and Planetary Atmospheres (ITPA), Stony Brook University, Stony Brook, NY.*

**Olson, Joseph B.** (2006-2007) Numerical Weather Prediction Post-Processing Tools. This is a suite of products designed to partially remove biases from wind forecasts. Products include: similar regime bias-correction, analog forecasts, and real-time model verification. *BMW-Oracle Racing-America's Cup 2007, Valencia, Spain.*

# MATHEMATICS

GRADUATE DIRECTOR: MICHAEL ANDERSON  
DEPARTMENT CHAIR: DAVID EBIN

## ❖ Grants, Fellowships, and Awards

- Cheraghi, Davoud.** (2006) Research Grant, 5,000\$. *Fields Institute*, Toronto, ON, Canada.
- Di Cerbo, Luca Fabrizio.** (2006) Renaissance Technologies Fellowship, \$7,000 Annual. *Renaissance Technologies*, East Setauket, NY.
- Kalafat, Mustafa.** (2007) Visiting fellowship. *IHES*, Bures-sur-Yvette, France.

## ❖ Singly Authored Publications/Research Reports/Reviews

- Di Cerbo, Luca Fabrizio.** (2007) Eigenvalues of the Laplacian under the Ricci Flow. *Rendiconti di Matematica* 27 (VII): <http://arxiv.org/abs/math/0702740>.
- Hakobyan, Hrant.** (2006) Cantor sets which are minimal for quasisymmetric maps. *Journal of Contemporary Mathematical Analysis (Proceedings of the NAS of Armenia. Mathematics)* 41(2):5-13.
- Kalafat, Mustafa.** (2006) Scalar Curvature and Connected Sums of Self-Dual 4-Manifolds. *eprint arXiv:math/0611769*.
- Kalafat, Mustafa.** (2006) Geometric Invariant Theory and Einstein-Weyl Geometry. *eprint arXiv:math/0611771*.
- Kalafat, Mustafa.** (2007) Deformations of Scalar-Flat Anti-Self-Dual metrics and Quotients of Enriques Surfaces. In S. Akbulut, T. Önder and R.J. Stern (Eds.), *Proceedings of the 13<sup>th</sup> Gökova Geometry-Topology Conference*. Boston, MA: International Press:

## ❖ Jointly Authored Publications/Research Reports/Reviews

- Calogero, F., **Di Cerbo, Luca Fabrizio**, and Droghei, R. (2006) On isochronous Shabat-Yamilov-Toda lattices. *Phys. Lett. A* 355(4-5):262-270.
- Mondal, B., **Dutta, S.**, and Heath Jr, Robert W. (in press) Quantization on the Grassmann Manifold. *IEEE Trans on Signal Processing*.
- Bishop, Christopher, and **Hakobyan, Hrant.** (in press) A central set of dimension 2. *Proceedings of American Mathematical Society*.
- Koca, C.**, and Sertoz, A.S. (in press) Irreducible Heegner Divisors in the Period Space of Enriques Surfaces. *International Journal of Mathematics*.
- Kirillov Jr., A., and **Thind, J.** (2007) Coxeter Elements and Periodic Auslander-Reiten Quiver. *eprint arXiv:math/0703361*.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Basu, Somnath.** (2007) Compact Lie Groups and Maximal Tori. *Graduate Students Seminar, Mathematics Department.* Stony Brook University, Stony Brook, NY.
- Cheraghi, Davoud.** (2006) Combinatorial Rigidity for some infinitely renormalizable unicritical polynomials I,II. *Young People Dynamics Seminar.* Fields Institute, Toronto. Canada.
- Cheraghi, Davoud.** (2007) Fixed points of holomorphic maps and small cycles. *Graduate Students Seminar, Mathematics department.* Stony Brook University, Stony Brook, NY.
- Dutta. S.** (2006) A Rigidity result for Conformally Compact Manifolds with the round sphere as the Conformal Infinity. *AMS Sectional Meeting.* University of Connecticut, Storrs, CT.
- Dutta. S.** (2006) Rigidity of Conformally Compact Manifolds. *CUNY Graduate Geometry Seminar.* New York, NY.
- Hakobyan, Hrant.** (2006) Hausdorff dimension and quasisymmetric maps. *Conference on Geometric Analysis and Applications.* University of Illinois at Urbana Champaign, Urbana, IL.
- Hakobyan, Hrant.** (2006) Conformal dimension of Cantor sets. *Complex Analysis and Dynamics Seminar.* Graduate Center of the City University of New York, New York, NY.
- Hakobyan, Hrant.** (2006) Conformal dimension of middle interval Cantor sets. *2006 Fall Central Section Meeting of the American Math. Society.* University of Cincinnati, Cincinnati, OH.
- Hakobyan, Hrant,** and Herron, David. (2007) Euclidean Quasiconvexity. *2007 Spring Central Section Meeting of the American Math. Society.* University of Miami, Oxford, OH.
- Hakobyan, Hrant, and **Herron, David.** (2007) Euclidean Quasiconvexity. *2007 Spring Central Section Meeting of the American Math. Society.* University of Miami, Oxford, OH.
- Kalafat, Mustafa.** (2006) Scalar Curvature and Connected Sums of Self-Dual 4-Manifolds. *International Conference on Global Differential Geometry.* Muenster, Germany.
- Kalafat, Mustafa.** (2006) Scalar Curvature and Connected Sums of Self-Dual 4-Manifolds. *ODTU -Bilkent Algebraic Geometry Seminar.* ODTU, Ankara, Turkey.
- Kalafat, Mustafa.** (2007) Scalar Curvature and Connected Sums of Self-Dual 4-Manifolds. *Michiganstate University, Topology Seminar.* E. Lansing, MI.

❖ **Post-Doctorates Obtained and Professional Appointments**

- Hakobyan, Hrant.** (2007) Postdoctoral fellow. Department of Mathematics, *University of Toronto,* Toronto, ON, Canada.
- Kalafat, Mustafa.** (2007) Van-Vleck Assistant Professorship (3 years). Department of Mathematics, *University of Wisconsin at Madison,* WI.
- Shu, Yu-Jen.** (2007) Visiting assistant professor. *University of California at Santa Barbara,* Santa Barbara, CA.

# MECHANICAL ENGINEERING

GRADUATE DIRECTOR: PEISEN HUANG  
DEPARTMENT CHAIR: FU-PEN CHIANG

## ❖ Grants, Fellowships, and Awards

**Trujillo, C.A.** (2004-2007) Fulbright-Colciencias Scholarship, Tuition. *Fulbright Academic Exchange Program*, Stony Brook University, NY/Colombia.

**Moreno Rodriguez, R.** (2006-2007) Fulbright-Colciencias Scholarship, Tuition. *Fulbright Academic Exchange Program*, Stony Brook University, NY/Colombia.

## ❖ Jointly Authored Publications/Research Reports/Reviews

Wang, X., **Cai, D.**, and Zhang, H. (2007) A Novel Method to Increase the Growth Rate in Sublimation Crystal Growth of Advanced Materials. *Int J Heat and Mass Transfer* 50:1221-1230.

Wang, X., **Cai, D.**, and Zhang, H. (2007) Increase of SiC Sublimation Growth Rate by Optimizing of Powder Packaging. *Journal of Crystal Growth* 305(1):122-132.

**Jin, Z.**, and Ge, Q. J. (in press) Computer Aided Synthesis of Piecewise Rational Motions for Planar 2R and 3R Robot Arms. *ASME Journal of Mechanical Design*.

**Liu, Y.**, Nakamura, T., Srinivasan, V., Vaidya, A., Gouldstone, A., and Sampath, S. (in press) Nonlinear Elastic Properties of Plasma Sprayed Zirconia Coatings and Associated Relationships to Processing Conditions. *Acta Materialia*.

Nakamura, T., and **Liu, Y.** (2007) Determination of nonlinear properties of thermal sprayed ceramic coatings via inverse analysis. *International Journal of Solids and Structures* 44:1990-2009.

**Machtay, N.D.**, and Kukta, R.V. (2006) Energetics of Epitaxial Island Arrangements on Substrate Mesas. *Journal of Applied Mechanics* 73:212-219.

**Wang, X.**, Zhang, H., and Zheng, L. (in press) Novel Modeling Tool for Fixed-Bed Biomass Gasification Using High Temperature Air. *Industrial & Engineering Chemistry Research*.

**Wang, X.**, Cai, D., and Zhang, H. (2007) A Novel Method to Increase the Growth Rate in Sublimation Crystal Growth of Advanced Materials. *Int J Heat Mass Trans* 50:1221-1230.

**Wang, X.**, Cai, D., and Zhang, H. (2007) Increase of SiC Sublimation Growth Rate by Optimizing of Powder Packaging. *Journal of Crystal Growth* 305(1):122-132.

**Wang, X.**, Moraga, F., and Attinger, D. (2006) A Micro-motor Built on an Acoustic Bubble. *Nanoscale and Microscale Thermophysical Engineering* 10:379-385.

Chio, H., Jensen, M. J., **Wang, X.**, Bruus, H., and Attinger, D. (2006) Transient pressure drops of gas bubbles passing through liquid-filled microchannel contractions: an experimental study. *Journal of Micromech. Microeng* 16:143-149.

**Zhang, M.Y.**, Zhang, H., and Zheng, L. L. (2007) Application of Smoothed Particle Hydrodynamics Method on Free Surface and Solidification Problems. *Numerical Heat Transfer Part A* 52(4):299 – 314.

Zheng, L. L., Zhang, H., **Zhang, M.Y.**, Kerkar, P., and Mahajan, D. (in press) Modeling Methane Hydrate



Formation in Marine Sediments. *American Association of Petroleum Geologists*.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Cai, D.**, Wang, X., Zheng, L.L., and Zhang, H. (2006) Thermal Environment Evolution and Its Impact on Vapor Deposition in Large Diameter AlN Bulk Growth. *9th AIAA/ASME Joint Thermodynamics and Heat Transfer Conference*. San Francisco, CA.
- Wang, X., **Cai, D.**, and Zhang, H. (2006) Powder Sublimation and Porosity Evolution in Sublimation Crystal Growth. *9th AIAA/ASME Joint Thermophysics and Heat Transfer Conference*. San Francisco, CA.
- Wang, X., **Cai, D.**, and Zhang, H. (2006) Increase growth rate by powder geometry design in SiC sublimation growth. *Materials Research Society*. San Francisco, CA.
- Zhang, Z., **Guo, H.**, Nejat, G., and Huang, P.S. (2007) Finding Disaster Victims: A Sensory System for Robot-Assisted 3D Mapping of Urban Search and Rescue Environments. *IEEE Int. Conference on Robotics and Automation (ICRA)*. Rome, Italy.
- Huang, P. S. and **Han, X.** (2006) On improving the accuracy of structured light systems. *Two- and Three-Dimensional Methods for Inspection and Metrology IV, Optics East 2006, SPIE 6382*. Boston, MA.
- Jin, Z.**, and Ge, Q. J. (2007) Rational Motion Interpolation under Kinematic Constraints of Planar 6R Closed Chain. *IDETC/CIE 2007*, Las Vegas, NV: DETC 2007-35118.
- Jin, Z.**, and Ge, Q. J. (2007) Constrained Motion Interpolation for Planar Open Kinematic Chains. *IFTOMM 2007*, Besancon, France: CK-969.
- Purwar, A., **Jin, Z.**, and Ge, Q.J. (2007) Rational Motion Interpolation under Kinematic Constraints of Spherical 6R Closed Chain. *IDETC/CIE 2007*, Las Vegas, NV: *DETC 2006-35727*.
- Liu, W.**, and Zhou, Y. (2007) Robot Self-Localization based on a Single Image of Identified Landmarks. *The 7th IEEE International Symposium on Computational Intelligence in Robotics and Automation*. Jacksonville, FL.
- Zhou, Y., **Liu, W.**, and Huang, P.S. (2007) Laser-activated RFID-based indoor localization system for mobile robots. *2007 IEEE International Conference on Robotics and Automation*. Roma, Italy.
- Liu, Y.**, Nakamura, T., Srinivasan, V., Gouldstone, A., and Sampath, S. (2007) Mechanism underlying Anelastic Properties of Thermal Spray Coating. *International Thermal Spray Conference (ITSC)*. Beijing, China.
- Liu, Y.**, Nakamura, T., Srinivasan, V., Gouldstone, A., and Sampath, S. (2006) Optimizing Nonlinear Properties of Thermally Sprayed Coatings through Processing Parameters. *Material Research Society Symposium*. Boston, MA.
- Rastegar, J., Jorabchi, K., and **Park, H.J.** (2006) Enhancement of the Vehicle Suspension Performance Using Motion Doubling Linkage Mechanisms (Technical Publication), *ASME International Design Engineering Technical Conferences & Computers in Engineering Conference*. Philadelphia, PA.
- Trujillo, C.A.**, and Ge, Q.J. (2006) Geometric Construction of Line-Symmetric Spherical Motions Using Quaternion Biars. *ASME International Design Engineering Technical Conferences & Computers and Information in Engineering Conference*. Philadelphia, PA.
- Wang, X.**, and Zhang, H. (2007) Application of Meshless Pore-Level Model to Pyrolysis and Synthesis of Nuclear Fuels. *ASME-JSME Thermal Engineering Conference and Summer Heat Transfer Conference*, Vancouver, BC, Canada.

## Mechanical Engineering

- Wang, X.**, Cai, D., and Zhang, H. (2006) Powder Sublimation and Porosity Evolution in Sublimation Crystal Growth. *9<sup>th</sup> AIAA/ASME Joint Thermophysics and Heat Transfer Conference*. San Francisco, CA.
- Wang, X.**, Cai, D., and Zhang, H. (2006) Increase growth rate by powder geometry design in SiC sublimation growth. *Materials Research Society*. San Francisco, CA.
- Wang, X.**, Zunjarrao, S., Zhang, H., and Singh, R. (2006) Advanced Process Model for Polymer Pyrolysis and Uranium Ceramic Material Processing. *ICONE14, International Conference on Nuclear Engineering*. Miami, FL.
- Wang, X.**, Zunjarrao, S., Zhang, H., and Singh, R. (2006) Advanced Process Model for Polymer Derived Ceramic Processing. *IMECE2006, ASME International Mechanical Engineering Congress and Exposition*. Chicago, IL.
- Cai, D., **Wang, X.**, Zheng, L.L., and Zhang, H. (2006) Thermal Environment Evolution and Its Impact on Vapor Deposition in Large Diameter AlN Bulk Growth. *9th AIAA/ASME Joint Thermodynamics and Heat Transfer Conference*. San Francisco, CA.
- Wei, G.H.**, Zhang, M.Y., Zhang, W., Zhang, H., Zheng, L.L., and Sampath, S. (2007) To Achieve Epitaxy Thermal Spraying by Substrate Melting. *Int. Thermal Spray Conf. & Exp.*, Beijing, China.
- Zhang, M.Y.**, Zhang, H., and Zheng, L. L. (2006) Smoothed Particle Hydrodynamics Method for Interaction between Multi-Droplets and Substrate. *International Mechanical Engineering Congress & Exposition*. Chicago, IL.
- Wei, G.H., **Zhang, M.Y.**, Zhang, W., Zhang, H., Zheng, L.L., and Sampath, S. (2007) To Achieve Epitaxy Thermal Spraying by Substrate Melting. *Int. Thermal Spray Conf. & Exp.*, Beijing, China.
- Wei, G.H., Zhang, M.Y., **Zhang, W.**, Zhang, H., Zheng, L.L., and Sampath, S. (2007) To Achieve Epitaxy Thermal Spraying by Substrate Melting. *Int. Thermal Spray Conf. & Exp.*, Beijing, China.
- Zhang, Z.**, Guo, H., Nejat, G., and Huang, P.S. (2007) Finding Disaster Victims: A Sensory System for Robot-Assisted 3D Mapping of Urban Search and Rescue Environments. *IEEE Int. Conference on Robotics and Automation (ICRA)*. Rome, Italy.
- Zhang, Z.**, and Nejat, G. (2006) The Hunt for Survivors: Identifying Landmarks for 3D Mapping of Urban Search and Rescue Environments. *The World Multi-Conference on Systemics, Cybernetics and Informatics (WMSCI)*. Orlando, FL.
- Nejat, G., and **Zhang, Z.** (2006) Finding Disaster Victims: Robot-Assisted 3D Mapping of Urban Search and Rescue Environments via Landmark Identification. *IEEE Int. Conference on Control, Automation, Robotics and Vision (ICARCV)*. Grand Hyatt Singapore, Singapore.

# MOLECULAR AND CELLULAR BIOLOGY

GRADUATE DIRECTOR: ROLF STERNGLANZ  
DEPARTMENT CHAIR: WILLIAM LENNARZ

## ❖ Grants, Fellowships, and Awards

**Barr, Daniel J.** (2006) Kevin King / John Miller Travel Scholarship Award, \$300. *Stony Brook University*, Stony Brook, NY.

**Sinha, Rahul.** (2006) Sigma Xi Award for Travel, \$200. *The Stony Brook University Chapter of Sigma Xi*, Stony Brook, NY.

## ❖ Jointly Authored Publications/Research Reports/Reviews

Hoos, Michael, **Ahmed, Mahiuddin**, Smith, Steven, and Van Nostrand, William. (2007) Inhibition of familial cerebral amyloid angiopathy mutant amyloid beta-protein fibril formation by myelin basic protein. *Journal of Biological Chemistry* 282:9952-61.

Dulebohn, D., **Choy, J.**, Sundermeier, T., Okan, N., and Karzai A.W. (2007) Trans-Translation: The tmRNA-Mediated Surveillance Mechanism for Ribosome Rescue, Directed Protein Degradation, and Nonstop mRNA Decay. *Biochemistry* 46(16): 4681-93.

**Choi, S.-Y.**, Huang, P., Jenkins, G.M., Chan, D.C., Schiller, J., and Frohman, M.A. (2006) A common signaling lipid requirement for Mfn-mediated mitochondrial fusion and SNARE-regulated exocytosis. *Nature Cell Biol* 8:1255-62.

**Choi, S.-Y.**, Gonzalez, F., Jenkins, G.M., Slomianny, C., Chretien, D., Arnoult, D., Petit, P.X., and Frohman, M.A. (2007) Cardiolipin deficiency releases cytochrome *c* from the inner mitochondrial membrane and accelerates stimuli-elicited apoptosis. *Cell Death and Differentiation* 14:597-606.

LaLonde, M., Janssens, H., Yun, S., Crosby, J., Redina, O., Du, G., Olive, V., **Choi, S.-Y.**, Altshuler, Y.M., Gergen, J.P., and Frohman, M.A. (2006) Phospholipase D is required for the progression of cellularization in *Drosophila* and functions by regulating vesicle trafficking. *BMC Devel. Biol* 6:60-72.

**Dulebohn, D.**, Choy, J., Sundermeier, T., Okan, N., and Karzai A.W. (2007) Trans-Translation: The tmRNA-Mediated Surveillance Mechanism for Ribosome Rescue, Directed Protein Degradation, and Nonstop mRNA Decay. *Biochemistry* 46(16): 4681-93.

Rasmussen, J.W., Cello, J., Gil, H., **Forestal, C.A.**, Furie, M.B., Thanassi, D.G., and Benach, J.L. (2006) Mac-1+ cells are the predominant subset in early hepatic lesions of mice infected with *Francisella tularensis*. *Infection & Immunity* 74: 6590-6598.

Krichevsky, A., **Gutgarts, H.**, Kozlovsky, S.V., Tzfira, T., Sutton, A., Sternglanz, R., Mandel, G., and Citovsky, V. (2007) AtCZS, an Arabidopsis C2H2 zinc finger-SET histone methyltransferase, is a plant-specific chromatin modifier. *Dev. Biol.* 303:259-269.

Krichevsky, A., Kozlovsky, S.V., **Gutgarts, H.**, and Citovsky, V. (2007) Arabidopsis co-repressor complexes containing amino oxidase-like proteins and plant-specific histone methyltransferases. *Plant Signal. Behav* 2 (in press).

- Haile, W.**, Coleman, J.L., and Benach, J.L. (2006) Reciprocal upregulation of urokinase and PAI-2 by *Borrelia burgdorferi* affects its dissemination and inflammatory response. *Cellular Microbiology* 8:1349-1360.
- Hoos, Michael**, Ahmed, Mahiuddin, Smith, Steven, and Van Nostrand, William. (2007) Inhibition of familial cerebral amyloid angiopathy mutant amyloid beta-protein fibril formation by myelin basic protein. *Journal of Biological Chemistry* 282:9952-61.
- LaLonde, M.**, Janssens, H., Yun, S., Crosby, J., Redina, O., Du, G., Olive, V., Choi, S.-Y., Altshuler, Y.M., Gergen, J.P., and Frohman, M.A. (2006) Phospholipase D is required for the progression of cellularization in *Drosophila* and functions by regulating vesicle trafficking. *BMC Devel. Biol* 6:60-72.
- Layten, M.**, Hornak, V. and Simmerling, C. (2006) The Open Structure of a Multi-Drug-Resistant HIV-1 Protease is Stabilized by Crystal Packing Contacts. *JACS* 128:13360-13361.
- Kozma, K., Keusch, J.J., Hegemann, B., **Luther, Kelvin .B.**, Klein, D., Hess, D., Haltiwanger, R.S., and Hofsteenge, J. (2006) Identification and characterization of a  $\beta$ 1,3-glucosyltransferase that synthesizes the Glc- $\beta$ 1,3-Fuc disaccharide on thrombospondin type 1 repeats. *J. Biol. Chem.* 281:36742-36751.
- Patwardhan, Parag**, Shen, Y., Goldberg, G.S., and Miller, W.T. (2006) Individual Cas phosphorylation sites are dispensable for processive phosphorylation by Src and anchorage-independent cell growth. *Journal of Biological Chemistry* 281:20689-97.
- Rasmussen, J.W.**, Cello, J., Gil, H., Forestal, C.A., Furie, M.B., Thanassi, D.G., and Benach, J.L. (2006) Mac-1+ cells are the predominant subset in early hepatic lesions of mice infected with *Francisella tularensis*. *Infection & Immunity* 74: 6590-6598.
- Karni, Rotem, Stanchina, Elisa de, Lowe, Scott W, **Sinha, Rahul**, Mu, David, and Krainer, Adrian R. (2007) The gene encoding the splicing factor SF2/ASF is a proto-oncogene. *Nature Structural & Molecular Biology* 14:185-193.
- Dulebohn, D., Choy, J., **Sundermeier, T.**, Okan, N., and Karzai A.W. (2007) Trans-Translation: The tmRNA-Mediated Surveillance Mechanism for Ribosome Rescue, Directed Protein Degradation, and Nonstop mRNA Decay. *Biochemistry* 46(16): 4681-93.
- Liu, Xiaofei**, Schuck, Stephen, and Stenlund, Arne. (2007) Adjacent Residues in the E1 Initiator  $\beta$ -Hairpin Define Different Roles of the  $\beta$ -Hairpin in Ori Melting, Helicase Loading, and Helicase Activity. *Molecular Cell* 25:825-837.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Hoos, Michael, **Ahmed, Mahiuddin**, Smith, Steven, and Van Nostrand, William. (2007) Inhibition of familial cerebral amyloid angiopathy mutant amyloid beta-protein fibril formation by myelin basic protein. *Society for Neuroscience Annual Meeting*. Atlanta, GA.
- Barr, Daniel J.**, Ostermyer-Fay, A., and Brown, D.A. (2006) Clathrin – Independent Endocytosis of ErbB2 in SKBR3 Cells. Poster. *American Society for Cell Biology Annual Meeting*. San Diego, CA.
- Choy, Jennifer S.** (2006) Lon Protease Degrades tmRNA-Tagged Proteins. *Molecular Genetics of Bacteria and Phages*. Cold Spring Harbor Laboratory, NY.
- Haltiwanger, Robert S., **Dlugosz, M.**, Luo, Y., Luther, K., Nita-Lazar, A., Rana, N., Takeuchi, H., and Holdener, B.C. (2006) O-Glycosylation of Cysteine-knot Motifs. *Meeting of the Society for Glycobiology*. Universal City, CA.
- Rasmussen, J.W., Cello, J., Gil, H., **Forestal, C.A.**, Furie, M.B., Thanassi, D.G., and Benach, J.L. (2006) Mac-1+ cells are the predominant subset in early hepatic lesions of mice infected with *Francisella*

*tularensis*. *International Conference in Tularemia*. Woods Hole, MA.

**Hoos, Michael**, Ahmed, Mahiuddin, Smith, Steven, and Van Nostrand, William. (2007) Inhibition of familial cerebral amyloid angiopathy mutant amyloid beta-protein fibril formation by myelin basic protein. *Society for Neuroscience Annual Meeting*. Atlanta, GA.

Haltiwanger, Robert S., Dlugosz, M., Luo, Y., **Luther, Kelvin B.**, Nita-Lazar, A., Rana, N., Takeuchi, H., and Holdener, B.C. (2006) O-Glycosylation of Cysteine-knot Motifs. *Meeting of the Society for Glycobiology*. Universal City, CA.

**Nelson, Lindsay**, London, E., and Johnson, A.E. (2006) Relationship Between Lipid Composition, the Cholesterol-Dependence of Perfringolysin O Membrane Interaction and Perfringolysin O Raft Affinity. *46th Annual Meeting of the American Society for Cell Biology*. San Diego, CA.

Haltiwanger, Robert S., Dlugosz, M., Luo, Y., Luther, K., Nita-Lazar, A., **Rana, N.**, Takeuchi, H., and Holdener, B.C. (2006) O-Glycosylation of Cysteine-knot Motifs. *Meeting of the Society for Glycobiology*. Universal City, CA.

**Rasmussen, J.W.**, Cello, J., Gil, H., Forestal, C.A., Furie, M.B., Thanassi, D.G., and Benach, J.L. (2006) Mac-1+ cells are the predominant subset in early hepatic lesions of mice infected with *Francisella tularensis*. *International Conference in Tularemia*. Woods Hole, MA.

**Sinha, Rahul**, Allemand, Eric, Karni, Rotem, Zhang, Zuo, and Krainer, Adrian R. (2006) Functional Significance of Arginine Methylation of SF2/ASF. *11<sup>th</sup> Annual Meeting of the RNA Society*. University of Washington, Seattle, WA. (Oral Presentation)

❖ **Post-Doctorates Obtained and Professional Appointments**

**Choi, S.-Y.** (2006) Postdoctoral Position. Vertebrate Neural Development Unit, Laboratory of Molecular Genetics, *National Institute of Child Health and Development at NIH*, Bethesda, MD.

**Patwardhan, Parag.** (2007) Post-doctoral Research Fellow. Department of Cell Biology, *Memorial Sloan Kettering Cancer Institute*, New York, NY.

## MOLECULAR GENETICS AND MICROBIOLOGY

GRADUATE DIRECTOR: JANET HEARING

DEPARTMENT CHAIR: JORGE BENACH

### ❖ Grants, Fellowships, and Awards

**Coleman, John Robert.** (2006) Graduate Student Research Fellowship, \$1,000. *The American Foundation for Aging Research*, Raleigh, NC.

**Lawrence, Paul.** (2006) Distinguished Service Award, \$300. *Department of Molecular Genetics and Microbiology*, Stony Brook University, Stony Brook, NY.

**Lucs, Alexandra.** (2006) Retreat Best Poster Award, \$50. *Department of Molecular Genetics and Microbiology*, Stony Brook University, Stony Brook, NY.

**Medina, Gisselle.** (2006) Irving Abrahms Award for Outstanding Achievement by a Graduate Student, \$350. *Department of Molecular Genetics and Microbiology*, Stony Brook University, Stony Brook, NY.

**Noel, Betty.** (2006) Teresa Haire Memorial Award, \$250. *Department of Molecular Genetics and Microbiology*, Stony Brook University, Stony Brook, NY.

**Runco, Lisa.** (2006) ASM Travel Grant Award, \$500. *American Society for Microbiology*, Washington, DC.

**Ullman, Amanda J.** (2006) Distinguished Service Award, \$300. *Department of Molecular Genetics and Microbiology*, Stony Brook University, Stony Brook, NY.

### ❖ Jointly Authored Publications/Research Reports/Reviews

Aranda, V., **Haire, T.**, Nolan, M.E., Calarco, J.P., Rosenberg, A.Z., Fawcett, J.P., Pawson, T., and Muthuswamy, S. (2006) Par6-aPKC uncouples ErbB2 induced disruption of polarized epithelial organization from proliferation control. *Nature Cell Biology* 8:1235-1245.

Ballon, D.R., Flanary, P.L., **Gladue, D.P.**, Konopka, J.B., Dohlman, H.G., and Thorner J.W. (2006) DEP domains link a regulator-of-G-protein-signaling protein to its cognate G-protein-coupled receptor. *Cell* 126:1079-93.

**Coleman, John Robert.** (2007) The PB1-F2 protein of Influenza A virus: increasing pathogenicity by disrupting alveolar macrophages. *Virology Journal* (4): 9.

Goldstein, R.S., Gallowitsch-Puerta, M., Yang, L., Rosas-Ballina, M., Huston, J.M., **Czura, C.J.**, Lee, D.C., Ward, M.E., Bruchfield, A.N., Wang, H., Lesser, M.L., Church, A.L., Litroff, A.H., Sama, A.E., and Tracey, K.J. (2006) Elevated high-mobility group box 1 levels in patients with cerebral and myocardial ischemia. *Shock* 25:571-574.

Hicks, J., Krasnitz, A., Lakshmi, B., **Navin, Nicholas**, Riggs, M., Leib, E., Esposito, D., Alexander, J., Troge, J., Grubor, V., Yoon, S., Wigler, M., Ye, K., Borresen-Dale, A.L., Naume, B., Schlicting, E., Norton, L., Hagerstrom, T., Skoog, L., Auer, G., Maner, S., Lundin, P., and Zetterberg, A. (2006) Novel patterns of genome rearrangements and their association with survival in breast cancer. *Genome Research* 16: 1465-1479.

Huston, J.M., Ochani, M., Rosas-Ballina, M., Liao, H., Ochani, K., Pavlov, V.A., Gallowitsch-Puerta, M.,

## Molecular Genetics and Microbiology

- Ashok, M., **Czura, C.J.**, Foxwell, B., Tracey, K.J., and Ulloa, L. (2006) Splenectomy inactivates the cholinergic anti-inflammatory pathway during lethal endotoxemia and polymicrobial sepsis. *Journal of Experimental Medicine* 203: 1623- 1628.
- Kruh, Nicole A.**, Rawat, R., and Tonge, P.J. (2007) Probing mechanisms of resistance to the tuberculosis drug isoniazid: conformational changes caused by inhibition of InhA, the enoyl reductase from *Mycobacterium tuberculosis*. *Protein Science* 16:1617-1627.
- Lee, H., **Liu, Y.**, Mejia, E., Paul, A.V., and Wimmer, E. (2006) The C-terminal hydrophobic domain of hepatitis C virus RNA polymerase NS5B can be replaced with a heterologous domain of poliovirus protein 3A. *Journal of Virology* 80: 11343-11354.
- Mueller, S., Papamichail, D., **Coleman, John Robert**, Skiena, S., and Wimmer, E. (2006) Reduction of the rate of poliovirus protein synthesis through large-scale codon deoptimization causes attenuation of viral virulence by lowering specific infectivity. *Journal of Virology* 80: 9687-9696.
- Navin, Nicholas**, Grubor, V., Hicks, J., Leib, E., Thomas, E., Troge, J., Riggs, M., Lundin, P., Maner, S., Sebat, J., Zetterberg, A., and Wigler, M. (2006) PROBER: Oligonucleotide FISH probe design software. *Bioinformatics* 22: 2437-2438.
- Pelham, R.J., Rodgers, L., Hall, I., Lucito, R., Nguyen, K.C., **Navin, Nicholas**, Hicks, J., Mu, D., Powers, S., Wigler, M., and Botstein, D. (2006) Identification of alterations in DNA copy number in host stromal cells during tumor progression. *Proceedings of the National Academy of Sciences USA* 103: 19848-19853.
- Qin, S., Wang, H., Yuan, R., Li, H., Ochani, M., Ochani, K., Rosas-Ballina, M., **Czura, C.J.**, Huston, J.M., Miller, E., Lin, X., Sherry, B., Kumar, A., Larosa, G., Newman, W., Tracey, K.J., and Yang, H. (2006) Role of HMGB1 in apoptosis-mediated sepsis lethality. *Journal of Experimental Medicine* 203: 1637-1642.
- Ullman, Amanda J.**, Reich, N.C., and Hearing, P. (2007) The adenovirus E4 ORF3 protein inhibits the interferon-mediated antiviral response. *Journal of Virology* 81:4744-4752.
- Yu, M., Wang, H., Ding, A., Golenbock, D.T., Latz, E., **Czura, C.J.**, Fenton, M.J., Tracey, K.J., and Yang, H. (2006) HMGB1 signals through toll-like receptor (TLR) 4 and TLR2. *Shock* 26:174-179.

### ❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

- Mueller, S., Papamichail, D., **Coleman, John Robert**, Skiena, S., and Wimmer, E. (2007) Reduction of the rate of poliovirus synthesis through large-scale codon deoptimization causes attenuation of viral virulence by lowering specific infectivity. *23rd Clinical Virology Symposium*. Clearwater Beach, FL.
- Kruh, Nicole A.**, Bargaro, J., Xu, H., and Tonge, P. (2007) A Novel Interaction Between the FAS-II and PDIM Biosynthetic Pathways. *Keystone Symposium on Tuberculosis: From Lab Research to Field Trials*. Vancouver, BC, Canada.
- Lilo, S.**, and Bliska, J.B. (2007) Type III Secretion System-Dependent Caspase-1 Activation and IL-1 $\beta$  Secretion in Macrophages Infected with *Yersinia pestis*. *American Society for Microbiology 107th General Meeting*. Toronto, Ontario.
- Lucs, Alexandra**, and Muthuswamy, S. (2006) Structure Function Analysis of ErbB2's Ability to Disrupt 3D Acini. *Mechanisms and Models of Cancer*. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.
- Lucs, Alexandra**, and Muthuswamy, S. (2007) Y1226/7 and Y1253 Mediate ErbB2 Induced Protection From Apoptosis. *Phosphorylation, Signaling & Disease*. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.

### ❖ Post-Doctorates Obtained and Professional Appointments

## Molecular Genetics and Microbiology

**Ng, Tony.** (2006) Postdoctoral fellow. Laboratory of Intracellular Parasites, *Rocky Mountain Laboratories, National Institute of Allergy and Infectious Diseases*, Hamilton, MT.

**So, Stephane S.** (2006) Research Scientist. *Applied DNA Sciences*, Stony Brook University, Stony Brook, NY.

**Tokarz, Rafal.** (2006) Postdoctoral research scientist. Department of Epidemiology, *Columbia University*, New York, NY.

### ❖ Software Developed

**Navin, Nicholas.** (2006) PROBER 2.1. PROBER is an oligonucleotide primer design software application that can generate highly specific probes for use in fluorescence *in situ* hybridization (FISH) and other in-situ labeling methods. *Cold Spring Harbor Laboratory*, Cold Spring Harbor, NY.



# MUSIC

GRADUATE DIRECTOR: PETER WINKLER  
DEPARTMENT CHAIR: DANIEL WEYMOUTH

## ❖ Grants, Fellowships, and Awards

- Carter, Ryan.** (2007) Winner, Lee Ettleson Award for composition, \$1000 plus performance. *Composers Inc.*, San Francisco, CA.
- Carter, Ryan** (2006) ASCAP Plus Award for composition. *American Society of Composers, Authors, and Publishers (ASCAP)*, New York, NY.
- Lindquist, Ellen.** (2007) Funding grant for 4-month composition residency in Sweden, \$4,000. *American-Scandinavian Foundation*, New York, NY.
- Erice, Leopoldo.** (2006) Winner *Ciudad de Albacete* national piano competition, concert tour of Spain, CD recording, performances on Spanish National Radio and Television. *Juventudes Musicales de Albacete*, Albacete, Spain.
- Martin, Margaret.** (2006) Winner, Alvin H. Johnson AMS 50 Dissertation-year Fellowship, \$17,000. *American Musicological Society.*, Brunswick, ME.
- Nelson, Conor.** (2007) Grand Prize in WAMSO Young Artist Competition (flute), \$8,500 plus performance with the Minnesota Orchestra under Osmo Vänskä, and performance on WQXR New York. *WAMSO Volunteer association of the Minnesota Orchestra*, Minneapolis, MN.
- Nelson, Conor.** (2007) Fellowship (flute). *Yellow Barn Music Festival and School*, Putney, VT.
- Nelson, Conor.** (2006) Fellowship. *Norfolk Chamber Music Festival and School/Yale Summer School of Music*, Norfolk, CT.
- Rushton, Christianne.** (2007) Canada Council grant and Bernard Diamant Prize (voice), \$20,000 and \$5,000, respectively. *The Canada Council for the Performing Arts*, Ottawa, Ontario, Canada.
- Tochka, Nicholas.** (2007) Individual Advanced Research Opportunities Grant for summer fieldwork in Korça, Albania (Ethnomusicology). *US Department of State, International Research and Exchange Board*, Washington, DC.
- Yarritu, Elena.** (2006) First Prize (flute). Myrna Brown Competition, *Texas Flute Society*, Denton, TX.

## ❖ Singly Authored Publications/Research Reports/Reviews

- Lindquist, Ellen.** (2006) *Score: Scorned as Timber, Beloved of the Sky (2003), for solo marimba*. Asbury Park, NJ: Keyboard Percussion Publications.
- Shapiro, Amy.** (2006) Bernstein and the Clarinet: Stanley Remembers Lenny. *Prelude, Fugue & Riffs: A publication of the Leonard Bernstein Society Spring/Summer: 6-7.*

## ❖ Conferences/Colloquiums, Presentations, Symposiums, Workshops

- Ajango, Pamela.** (2006) New Arrangements for Wind Quintet. *35<sup>th</sup> Annual Conference, International Double Reed Society*. Ball State University, Muncie, IN.

## Music

- Chung, Minna Rose**, Kuefler, Elizabeth, Holmes-Hicks, Emmy, and Noh, Esther. (Pangea Quartet). (2007) *Kronos Quartet at Carnegie Hall Professional Training Workshop*. Zankel Hall, New York, NY.
- Erice, Leopoldo**. (2006-2007) Founder and Director. *Festival Internacional de Música Clásica de Ribadeo*. Ribadeo, Spain.
- Erice, Leopoldo**. (2006) Workshop on Western Classical Music. *Katmandu University*, Katmandu, Nepal.
- Gehring, Steven**. (2006) The Pull of the Bush: World Beat and Identity Construction in Kate Bush's *The Dreaming*. *North American British Music Studies Association Second Biennial Conference*, Colchester, VT.
- Chung, Minna Rose, Kuefler, Elizabeth, **Holmes-Hicks, Emmy**, and Noh, Esther. (Pangea Quartet). (2007) *Kronos Quartet at Carnegie Hall Professional Training Workshop*. Zankel Hall, New York, NY.
- Chung, Minna Rose, **Kuefler, Elizabeth**, Holmes-Hicks, Emmy, and Noh, Esther. (Pangea Quartet). (2007) *Kronos Quartet at Carnegie Hall Professional Training Workshop*. Zankel Hall, New York, NY.
- Lindquist, Ellen**. (2007) Collaborative composition residency. *The International Ceramic Research Center*, Skælskør, Denmark.
- Lindquist, Ellen**. (2007) Composition Residency: *Visby International Centre for Composers*. Gotland, Sweden.
- Lindquist, Ellen**. (2006-2007) Workshop presentations of the collaborative chamber opera, *For the Living and the Dead*, Companion Star Productions. *The Gateway Theatre*, Bellport, NY; and *The Castle at Ängsö*, Ängsö, Sweden. (co-sponsored by Mälardalens Högskola, Västerås, Sweden)
- Chung, Minna Rose, Kuefler, Elizabeth, Holmes-Hicks, Emmy, and **Noh, Esther**. (Pangea Quartet). (2007) *Kronos Quartet at Carnegie Hall Professional Training Workshop*. Zankel Hall, New York, NY.
- Sandström, Staffan**. (2006-2007) Lecture-Recitals. *Concert House*, Västerås, Sweden; and *the Theater House*, Luleå, Sweden.
- Sandström, Staffan**. (2007) One week of master classes. *Hanoi University*, Vietnam.
- Tochka, Nicholas**. (2007) Cosmopolitan Inscriptions: Tattoos, Graffiti, and Albanian Hip-Hop. *Society for Ethnomusicology, Mid-Atlantic Chapter*. College of William and Mary, Williamsburg, VA.
- Tochka, Nicholas**. (2007) Proud 2 Be an Albanian: Rapping and Mapping Borders. *International Association for the Study of Popular Music, United States Chapter* Northeastern University, Boston, MA.

### ❖ Post-Doctorates Obtained and Professional Appointments

- Bowlin, David**. (2007) Faculty. *Oberlin Conservatory of Music*, Oberlin, OH.
- Erice, Leopoldo**. (2007) Assistant Professor of Collaborative Piano. *Middle Tennessee State University*, Murfreesboro, TN.
- Harman, Risa Renae**. (2006) Artist-in-Residence. *Bay View Music Festival*, Bay View, MI.
- Kay, Francine**. (2005) Faculty Artist in Residence. *Icicle Creek Music Center*, Leavenworth, WA.
- Kay, Francine**. (2006-2007) Piano instructor. *Princeton University*, Princeton, NJ.
- Lindquist, Ellen**. (2007) Composer-in-Residence. *Mälardalens University*, Västerås, Sweden.
- Nelson, Conor**. (2007) Assistant Professor of Flute. Department of Music, *Oklahoma State University*. Stillwater, OK.

- Nelson, Conor.** (2006) Substitute Principal Flute, *Orchestra of St. Luke's*. New York, NY.
- Noh, Esther.** (2006) First Violin, *Brooklyn Philharmonic Orchestra*, Brooklyn, NY.
- Rushton, Christianne.** (2007) Assistant Professor and Head. Voice department, *Acadia University* Wolfville, Nova Scotia, Canada.
- Sandström, Staffan.** (2007) Faculty. Mälardalen University, Västerås, Sweden.
- Shapiro, Amy.** (2006) Member, Board of Directors, and Program Annotator. *American Chamber Ensemble*, New York, NY.

❖ **Exhibitions/Performances**

- Ajango, Pamela.** (solo) Concertino by Brenno Blauth (for Oboe and Strings). *Indianapolis Chamber Orchestra*, Indianapolis, IN, 2006.
- Arai, Ryoko.** (group) Performances with the Gracieux Trio. *Sam Levenson Hall*, Brooklyn, NY; *Merkin Concert Hall*, New York, NY; and *Oji Hall*, Tokyo, Japan, 2007.
- Carter, Ryan.** (composition) Gravity Modulations. *Society of Composers, Inc. Region II Conference*, *Hamilton College*, Clinton, NY, 2006.
- Carter, Ryan.** (composition) Playing for Keeps by Johnny K. Wu, and music by Ryan Carter. *19<sup>th</sup> Annual Austin Gay & Lesbian International Film Festival*. Austin, TX, 2006.
- Carter, Ryan.** (composition) Not one, not two performance by Margaret Lancaster (for flute and fixed media). *Cornelia Street Café*. New York, NY, 2006.
- Carter, Ryan.** (solo) Doot (two sopranos and chamber ensemble). *Oswaldo Golijov/Dawn Upshaw Professional Training Workshop*. Weill Hall, New York, NY, 2007.
- Dunaway, Judith.** (composition) Balloon Symphony No. 2. *Upgrade! New York, Eyebeam*, New York, NY, 2006.
- Dunaway, Judith.** (composition) Collaborative installation with Nancy Davidson. "*Global*" *Group Exhibition*. Westport Arts Center Gallery, Westport, CT, 2006.
- Dunaway, Judith.** (group) Improvisational duet with Tom Chiu. *Eyebeam*, New York, NY, 2006.
- Dunaway, Judith.** (composition) Mother of Balloon Music CD Release Concert. *Roulette*, New York, NY, 2006.
- Erice, Leopoldo.** (solo) Benefit concert. *Katmandu University*, Katmandu, Nepal, 2006.
- Harman, Risa Renae.** (solo) Samuel Barber's *The Prayers of Kierkegaard* with the Washington Chorus, and David Hayes (conductor). *The Kennedy Center*, Washington, DC, 2007.
- Kim, Nahyun.** (composition) Discourse Upon Discord (for alto flute and violin). *International Alliance for Women in Music, 6<sup>th</sup> Annual Women in New Music Festival and Conference*, *California State University*, Fullerton, CA, 2007.
- Lindquist, Ellen.** (composition) Scorned as Timber, Beloved of the Sky. *Zeltsman Marimba Seminar*, Appleton, WI, 2007.
- Lindquist, Ellen.** (composition) Nakota. New Music Concert, *Mount Allison University*, Sackville, New Brunswick, Canada; and *Acadia New Music Festival*, *Acadia University*, Wolfville, Nova Scotia, Canada, 2007.
- Lindquist, Ellen, and Barger, Laura.** (composition) Lindquists' *Groundings* and *Zosa* (Companion Star Ensemble). *Mälardalens Högskola International Poetry Festival*, *Ängsö Castle*, Ängsö, Sweden; and *Wiks Castle Cultural Organization*, *Wiks Castle*, Uppsala, Sweden, 2007.

## Music

- Nelson, Conor.** (solo) Mozart's K.14 Sonata with Claude Frank, *Schneider Concert Series of New School University*, New York, NY, 2006.
- Nelson, Conor.** (group) Performances with Kataoka, A. of works by Naoko Hishinuma, Masakazu Natsuda and Motoharu Kawashima. *Tokyo Bunka Kaikan Hall, Musicasa Hall, and Asahi Arts Space*. Tokyo, Japan, 2007.
- Nelson, Conor.** (group) Performance with the Biava String Quartet. *Carnegie Hall's Weill Recital Hall*, New York, NY, 2006.
- Nelson, Conor.** (solo) Benefit concert for the Princeton Symphony. *Princeton University*, Princeton, NJ, 2007.
- Sandström, Staffan.** (solo) With *Västerås Sinfonietta*. *Concert House of Västerås*, Sweden, 2007.
- Sandström, Staffan.** (solo) Recitals. *Swedish Embassy*, Hanoi, Vietnam, and Seoul, South Korea, 2007.
- Schaer, Claudia.** (group) Musical Narratives (music by Max Lifchitz) with North/South Consonance. *Performing Arts Center, University at Albany*, Albany, NY, 2007.
- Yarritu, Elena.** (solo) Ensemble Alma Debut. featuring the flute sonata by Samuel Zyman. *Music from Latin America and Spain*, Merkin Hall, New York, NY, 2006.
- Yarritu, Elena.** (solo) Guest Artist. *Texas Flute Society 30<sup>th</sup> Annual Flute Festival*, Denton, TX, 2007.
- Yarritu, Elena.** (solo) Guest Performer, featuring the flute sonata by Samuel Zyman. *35<sup>th</sup> Annual National Flute Association Convention*, Albuquerque, NM, 2007.

### ❖ Theatrical Productions

- Harman, Risa Renae.** (2007) Dorine. Kirke Mechem's *Tartuffe*. *Lake George Opera Festival*, Lake George, NY.
- Lindquist, Ellen.** (2007) Concert presentations of her composition. *For the Living and the Dead* (work in progress). *Gateway Theater*, Bellport, NY; and *Ängsö Castle*, Ängsö, Sweden.

### ❖ Recordings

- Dunaway, Judith.** (2006) *Mother of Balloon Music: Compositions by Judy Dunaway* [CD]. St. Paul, MN: Innova Records (American Composers' Forum).
- Lindquist, Ellen.** (2006) Scorned as Timber, Beloved of the Sky (Recorded by Thomas Burritt). On *All Times Identical* [CD]. Corpus Christi, TX: Go Fish Records.

# NEUROSCIENCE

GRADUATE DIRECTOR: LONNIE WOLLMUTH  
DEPARTMENT CHAIR: SIMON HALEGOUA

## ❖ Grants, Fellowships, and Awards

**Yang, Yang.** (2006) Best poster award. Graduate Program in Neuroscience Symposium 2006, *Stony Brook University*, Stony Brook, NY.

## ❖ Jointly Authored Publications/Research Reports/Reviews

**LoGiudice, Lisamarie,** Henry, D., and Matthews, G. (2006) Identification of calcium channel  $\alpha 1$  subunit mRNA expressed in retinal bipolar neurons. *Molecular Vision* 12:184-189.

**LoGiudice, Lisamarie,** and Matthews, G. (2006) The synaptic vesicle cycle: Is kissing overrated? *Neuron* 51: 676-677.

**LoGiudice, Lisamarie,** and Matthews, G. (2007) Endocytosis at ribbon synapses. *Traffic* (in press).

## ❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

**Lee, Eugene,** Sivan-Loukianova, Eberl, D., and Kernan, M. (2007) The retrograde intraflagellar transport protein REMPA/IFT140 forms the chordotonal ciliary dilation. *Drosophila Research Meeting*. Philadelphia, PA.

**LoGiudice, Lisamarie,** Sterling, P., and Matthews, G. (2006) Reduced mobility of vesicles at synaptic ribbons. *Society for Neuroscience*. Atlanta, GA.

**Tai, Lung-Hao,** and Zador, A. M. (2007) Modulation of auditory responses by modality-specific attention in rat primary auditory cortex. *Computational and Systems Neuroscience*. Salt Lake City, UT.

**Yang, Yang,** DeWeese, M.R., Otazu, G., and Zador, A.M. (2006) Using cortical timing information to guide behavior *Advances and Perspectives in Auditory Neurophysiology*, Atlanta, GA.

**Yang, Yang,** DeWeese, M.R., Otazu, G., and Zador, A.M. (2007) Using cortical timing information to guide behavior. *Computational and Systems Neuroscience Meeting*. Salt Lake City, UT.

**Zariwala, Hatim,** Uchida, N., Kepecs, A., and Mainen, Z.F. (2007) Temporal anticipation affects decision-making in an olfactory discrimination task. *COSYNE (Computational and Systems Neuroscience)*. Salt Lake City, UT.

**Zariwala, Hatim.** (2007) Temporal bounds on the performance of odor mixture discrimination in rats. *John B Pierce Laboratory Weekly Seminar Series*. Yale University, New Haven, CT.

# ORAL BIOLOGY AND PATHOLOGY

GRADUATE DIRECTOR: MARCIA SIMON  
DEPARTMENT CHAIR: ISRAEL KLEINBERG

## ❖ Grants, Fellowships, and Awards

**Carrion, Julio.** (2006-2008) Minority Dental Faculty Development Award (MDFD), \$20,000/year. *New York State Academic Centers (NYSADC)*, New York, NY.

## ❖ Jointly Authored Publications/Research Reports/Reviews

Walker, Stephen G., **Carnu, Oana I.**, Tüter, Gülay, and Ryan, Maria E. (2006) The immunoglobulin A1 proteinase from *Streptococcus pneumoniae* is inhibited by tetracycline compounds. *FEMS Immunology & Medical Microbiology* 48:218-222.

## ❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

**Carnu, Oana I.**, Simon, Marcia, and Ryan, Maria E. (2007) Collagen Glycation Alters Gingival Fibroblast Secretion of Pro-Inflammatory Mediators. *The 85th General Session and Exhibition of the International Association for Dental Research*. New Orleans, LA.

Walker, Stephen G., Ryan, Maria E., **Carnu, Oana I.**, Tenzler, Ruth, Farrell, James, Eswaran, Shridar V.K., Lee, Hsi M., Tuter, Gulay, and Golub, Lorne M. (2007) Non-Antimicrobial Chemically Modified Tetracycline-3 in Humans: Microbial Findings. *The 85th General Session and Exhibition of the International Association for Dental Research*. New Orleans, LA.

Ryan, Maria E., **Carnu, Oana I.**, Tenzler, Ruth, Farrell, James, and Ahn, Hong. (2007) Effects of SDD on Local Biomarkers in Diabetics with Periodontitis. *The 85th General Session and Exhibition of the International Association for Dental Research*. New Orleans, LA.

# PHARMACOLOGICAL SCIENCES

GRADUATE DIRECTOR: STYLIANI-ANNA E. TSIRKA

DEPARTMENT CHAIR: JEFFREY E. PESSIN

## ❖ Grants, Fellowships, and Awards

- Bonsra, Akua.** (2004-2008) W. Burghardt Turner Fellowship, \$50,000. *Stony Brook University*, Stony Brook, NY.
- Caces, Donne Bennett.** (2006) Van der Kloot Award for Excellence in Research, \$500. *Graduate Program in Molecular and Cellular Pharmacology*, Stony Brook, NY.
- Caces, Donne Bennett.** (2006) Snapshot Award, \$75. *Graduate Program in Molecular and Cellular Pharmacology Annual Symposium*, Stony Brook, NY.
- Corrales-Higuera, Alexandra.** (2006) Van der Kloot Award for Excellence in Teaching, \$500. *Graduate Program in Molecular and Cellular Pharmacology*, Stony Brook, NY.
- Corrales-Higuera, Alexandra.** (2007) Fundamentals of the Bioscience Industry Program Scholarship, \$3,230. *Center for Biotechnology*, Stony Brook, NY.
- Gravanis, Iordanis.** (2006) Graduate Council Commendation for Excellence in Teaching by Graduate Student. *Stony Brook University*, Stony Brook, NY.
- Mirrione, Martine.** (2006) Best Experiment Award, \$75. *Graduate Program in Molecular and Cellular Pharmacology Annual Symposium*, Stony Brook, NY.
- Staresinic, Lidija.** (2006) Molecular Cell poster prize on Coordination of Dual Incision and Repair Synthesis in Human Nucleotide Excision Repair. *From Molecular Mechanism to Human Disorders Meeting*, Netherlands.
- Su, Wenjuan.** (2007) Sigma Xi Travel Award, \$200. *Stony Brook University Chapter of Sigma Xi*, Stony Brook, NY.
- Teresa, Getu.** (2007-2009) NIH Ruth L. Kirschstein National Research Service Award (NRSA) Predoctoral Fellowship, \$20,772 per year. *National Institute of General Medical Sciences (NIGMS)*, Bethesda, MD.
- Williams, Dumaine.** (2006) Van der Kloot Award for Excellence in Teaching, \$500. *Graduate Program in Molecular and Cellular Pharmacology*, Stony Brook, NY.
- Williams, Dumaine.** (2007) Sigma Xi Award for Excellence in Research. *Stony Brook University Chapter of Sigma Xi*, Stony Brook, NY.
- Williams, Dumaine.** (2006) Mini Symposium Speaker's Travel Award, \$300. *American Society for Cell Biology*, Bethesda, MD.

## ❖ Jointly Authored Publications/Research Reports/Reviews

- Procino, G., **Caces, Donne Bennett**, Valenti, G., and Pessin, J.E. (2006) Adipocytes support cAMP-dependent translocation of aquaporin-2 from intracellular sites distinct from the insulin-responsive GLUT4 storage compartment. *Am. J. Physiol. Renal Physiol* 290: F985-94.
- Connolly, Jaime E.**, and Engebrecht, J. (2006) The Arf-GTPase-activating protein Gcs1p is essential for sporulation and regulates the phospholipase D Spo14p. *Eukaryot Cell*. 5:112-24.

- Parathath, S.R., **Gravanis, Iordanis**, and Tsirka, S.E. (2007) Nitric Oxide Synthase Isoforms Undertake Unique Roles During Excitotoxicity. *Stroke* 38: 1938-1945.
- Sheehan, John J., Zhou, C., **Gravanis, Iordanis**, Rogove, Andrew D., Wu, Y.P., Bogenhagen, D.F., and Tsirka, S.E. (2007) Proteolytic activation of monocyte chemoattractant protein-1 by plasmin underlies excitotoxic neurodegeneration in mice. *J Neurosci* 27(7):1738-45.
- Schiffer, W.K., **Lee, Dianne E.**, Alexoff, D.L., Ferrieri, R., Brodie, J.D., and Dewey, S.L. (2006) Metabolic correlates of toluene abuse: decline and recovery of function in adolescent animals. *Psychopharmacology (Berl)* 186(2):159-67.
- Schiffer, W.K., **Lee, Dianne E.**, Alexoff, D.L., Ferrieri, R., Brodie, J.D., and Dewey, S.L. (2006) Metabolic correlates of toluene abuse: decline and recovery of function in adolescent animals. *Psychopharmacology (Berl)* 186(2):159-67.
- Li, F.Q., Singh, A.M., Mofunanya, A., **Love, Damon**, Terada, N., Moon, R.T., and Takemaru, K.I. (2007) Chibby Promotes Adipocyte Differentiation through Inhibition of beta-Catenin Signaling. *Mol Cell Biol* 27(12):4347-4354.
- Marsteller, Douglas A.**, Barbarich-Marsteller, N.C., Fowler, J.S., Schiffer, W.K., Alexoff, D.L., Rubins, D.J., and Dewey, S.L. (2006) Reproducibility of intraperitoneal 2-deoxy-2-[18F]-fluoro-D-glucose cerebral uptake in rodents through time. *Nucl Med Biol.* 33(1):71-9.
- Marsteller, Douglas A.**, Barbarich-Marsteller, N.C., Alexoff, D.L., Schiffer, W.K., and Dewey, S.L. (2006) Administration of Corticosterone and Citalopram: Behavioral Shifts through Time. *Nucl Med Biol.* 33(1):71-9.
- Schiffer, W.K., **Mirrione, Martine M.**, Biegón, A., Alexoff, D.L., Patel, V., and Dewey, S.L. (2006) Serial microPET measures of the metabolic reaction to a microdialysis probe implant. *J Neurosci Meth.* 155(2): 272-84.
- Mirrione, Martine M.**, Schiffer, W.K., Siddiq, M., Dewey, S.L., and Tsirka, S.E. (2006) PET imaging of glucose metabolism in a mouse model of temporal lobe epilepsy. *Synapse* 59(2):119-21.
- Schiffer, W.K., **Mirrione, Martine M.**, and Dewey, S.L. (2007) Optimizing experimental protocols for quantitative behavioral imaging with <sup>18</sup>F-FDG in rodents. *J Nucl Med.* 48(2):277-87.
- Colognato, H., Galvin, J., Wang, Z., Relucio, J., **Nguyen, Tom**, Harrison, D., Yurchenco, P.D., and Ffrench-Constant, C. (2007) Identification of dystroglycan as a second laminin receptor in oligodendrocytes, with a role in myelination. *Development* 134(9):1723-36.
- Parathath, S.R., **Parathath, Saj**, and Tsirka, S.E. (2006) Nitric oxide mediates neurodegeneration and breakdown of the blood-brain barrier in tPA-dependent excitotoxic injury in mice. *J Cell Sci.* 119(2):339-49.
- Sheehan, John J., Zhou, C., Gravanis, Iordanis, **Rogove, Andrew D.**, Wu, Y.P., Bogenhagen, D.F., and Tsirka, S.E. (2007) Proteolytic activation of monocyte chemoattractant protein-1 by plasmin underlies excitotoxic neurodegeneration in mice. *J Neurosci* 27(7):1738-45.
- Scotto-Lavino, Elizabeth**, Du, G., and Frohman, M.A. (2006) Amplification of 5' end cDNA with 'new RACE'. *Nat Protoc.* 1(6):3056-61.
- Scotto-Lavino, Elizabeth**, Du, G., and Frohman, M.A. (2006) 3' end cDNA amplification using classic RACE. *Nat Protoc.* 1(6):2742-5.
- Scotto-Lavino, Elizabeth**, Du, G., and Frohman, M.A. (2006) 5' end cDNA amplification using classic RACE. *Nat Protoc.* 1(6):2555-62.
- Sheehan, John J.**, Zhou, C., Gravanis, Iordanis, Rogove, Andrew D., Wu, Y.P., Bogenhagen, D.F., and Tsirka, S.E. (2007) Proteolytic activation of monocyte chemoattractant protein-1 by plasmin underlies excitotoxic neurodegeneration in mice. *J Neurosci* 27(7):1738-45.
- Hohl, M., Dunand-Sauthier, I., **Staresincic, Lidija**, Jaquier-Gubler, P., Thorel, F., Modesti, M., Clarkson, S.G., and Scharer, O.D. (2007) Domain swapping between FEN-1 and XPG defines regions in



- XPG that mediate nucleotide excision repair activity and substrate specificity. *Nucleic Acids Res* 35(9):3053-3063.
- Qiu, H., Zappacosta, F., **Su, Wenjuan**, Annan, R.S., and Miller, W.T. (2005) Interaction between Brk kinase and insulin receptor substrate-4. *Oncogene* 24:5656-5664.
- Su, Wenjuan**, Chardin, P., Yamazaki, M., Kanaho, Y., and Du, G. (2006) RhoA-mediated Phospholipase D1 signaling is not required for the formation of stress fibers and focal adhesions. *Cellular Signaling* 18:469-478.
- Weston, Christi A., **Teressa, Getu**, Weeks, B.S., and Prives, J. (2007) Agrin and laminin induce acetylcholine receptor clustering by convergent, Rho GTPase-dependent signaling pathways. *J Cell Sci.* 120(5):868-75.
- Wang, Yousong**, and Bogenhagen, D.F. (2006) Human mitochondrial DNA nucleoids are linked to protein folding machinery and metabolic enzymes at the mitochondrial inner membrane. *J Biol Chem.* 281(35):25791-802.
- Weston, Christi A.**, **Teressa, Getu**, Weeks, B.S., and Prives, J. (2007) Agrin and laminin induce acetylcholine receptor clustering by convergent, Rho GTPase-dependent signaling pathways. *J Cell Sci.* 120(5):868-75.
- Williams, Dumaine**, Hicks, S.W., Machamer, C.E., and Pessin, J.E. (2006) Golgin-160 is required for the Golgi membrane sorting of the insulin-responsive glucose transporter GLUT4 in adipocytes. *Mol Biol Cell.* 17(12):5346-55.
- Yondola, Mark A.**, and Hearing, P. (2007) The adenovirus E4 ORF3 protein binds and reorganizes the TRIM family member transcriptional intermediary factor 1 alpha. *J Virol.* 81(8):4264-71.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Leon, S., Diaz, C., **Corrales-Higuera, Alexandra**, Cortes, C., Cladys, T., Caldas, L., and Camacho, M. (2006) Protozoan Parasite Exit May Be Preceded by Fusion between the Paratophorus Vacuole Membrane and the Host-Cell Membrane. *48th Annual Meeting, The American Society for Cell Biology*. San Diego, CA.
- Evans, Lisa**, and Levine, J. (2006) Expression and function of REST in glial cells and their progenitors. *Glia in Health & Disease*. Cold Spring Harbor, NY.
- Feigin, Michael**, Wang, H-Y., and Malbon, C.C. (2006) RGS protein regulation of Wnt/ $\beta$ -catenin signaling. *Keystone Symposium on Wnt and beta-Catenin Signaling*. Snowbird, UT.
- Yondola, Mark A., and **Hearing, Patrick**. (2006) The Adenovirus E4 ORF3 Protein Interacts with Transcriptional Intermediary Factor 1 Alpha. *DNA Tumor Viruses 2006 Meeting*. San Diego, CA.
- Orelli, Barbara**, Tsodikov, O.V., Ivanov, D., Shoshani, I., Staresincic, Lidija, Wagner, G., Ellenberger, T., and Schärer, O. (2007) Biochemical and structural basis for the interaction of ERCC1 and XPA in human nucleotide excision repair. *SBDR-EU DNA Repair Workshop*. Berkeley, CA.
- Staresincic, Lidija**, Gourdin, A.M., Wijgers, N., Giglia-Mari, G., Dunand-Sauthier, I., Clarkson, S.G., Vermeulen, W., and Scharer O.D. (2007) Coordination of dual incision and repair synthesis in human nucleotide excision repair. *Joint EU-USA DNA Repair Workshop*. Berkeley, CA.
- Orelli, Barbara, Tsodikov, O.V., Ivanov, D., Shoshani, I., **Staresincic, Lidija**, Wagner, G., Ellenberger, T., and Schärer, O. (2007) Biochemical and structural basis for the interaction of ERCC1 and XPA in human nucleotide excision repair. *SBDR-EU DNA Repair Workshop*. Berkeley, CA.
- Su, Wenjuan**, Zhang, Y. Kanaho, Y. Bliska, J., and Frohman, M.A. (2006) Role of PI4P5Kinase-alpha in phagocytosis. *Joint Phospholipase D Workshop*. Tsukuba University, Tokyo, Japan.

## Pharmacological Sciences

- Williams, Dumaine.** (2007) Vesicular Trafficking of the GLUT4 Glucose Transporter. *National Graduate Student Symposium*. St. Jude Children's Research Hospital, Memphis, TN.
- Williams, Dumaine.** (2006) The role of Golgin-160 in the Golgi Membrane Sorting of GLUT4. *The American Society for Cell Biology 46<sup>th</sup> Annual Meeting*. San Diego, CA.
- Williams, Dumaine.** (2006) ). Golgin-160 is required for the Golgi membrane sorting of the insulin-responsive glucose transporter GLUT4 in adipocytes. *Annual Biomedical Research Conference for Minority Students*. Anaheim, CA.
- Yondola, Mark A.,** and Hearing, Patrick. (2006) The Adenovirus E4 ORF3 Protein Interacts with Transcriptional Intermediary Factor 1 Alpha. *DNA Tumor Viruses 2006 Meeting*. San Diego, CA.

### ❖ Post-Doctorates Obtained and Professional Appointments

- Caces, Donne Bennett.** (2007) Resident. Endocrinology, *New York Downtown Hospital*, New York, NY.
- Liu, Nancy (Yang).** (2006) Post-doctoral Fellow. Dr. Scott Powers, *Cold Spring Harbor Laboratory*, Cold Spring Harbor, NY.
- Mirrione, Martine.** (2007) Post-doctoral Fellow. Dr. Fritz Henn, *Brookhaven National Laboratory*, Upton, NY.
- Ocampo, Christopher.** (2007) Resident. Internal Medicine, *Winthrop University Hospital*, Mineola, NY.
- Wang, Yousong.** (2006) Resident. Internal Medicine, *St Luke's Hospital*, New York, NY.
- Watkins, Jermel.** (2007) Educator. *Cold Spring Harbor Laboratory*, Cold Spring Harbor, NY.
- Yondola, Mark A.** (2006) Post-doctoral Fellow. Microbiology, *Mt. Sinai School of Medicine*, New York, NY.

# PHILOSOPHY

GRADUATE DIRECTOR: JEFF EDWARDS

DEPARTMENT CHAIR: ROBERT CREASE

## ❖ Grants, Fellowships, and Awards

- Altshuler, Roman.** (2006) Fellowship to study in Germany, \$ 13,000. *Max Kade Foundation*. Stony Brook, NY.
- Arruda, Caroline.** (2006-2007) W. Burghardt Turner Dissertation Fellowship, \$10,000. *W. Burghardt Turner Fellowship Program (Stony Brook University)*, Stony Brook, NY.
- Burke, Karen.** (2006) APA Travel Award for APA/AAPT Seminar for Advanced Graduate Students in Teaching Philosophy, \$300. *American Philosophical Association*, Wilmington, Delaware.
- Corrigan, James M.** (2007) Templeton Research Lectures Supplemental Advertising Funds, \$20,000. *Metanexus Institute*, Philadelphia, PA.
- Cruz, Azucena.** (2006-2007) Chateaubriand Fellowship, €15,000. *Embassy of France and the French Minister of Foreign Affairs*, Washington, DC.
- Golden, Nanda.** (2006) Intensive Language Course Stipend, €2,860. *DAAD*, Bonn, Germany.
- Kautzer, Chad.** (2006-2007) Max Kade Foundation Scholarship, \$13,000. *Max Kade Foundation, Inc.* New York, NY.
- Landes, Donald A.** (2007) President's Award for Excellence in Teaching by a Graduate Student, \$500. *Stony Brook University*, Stony Brook, NY.
- Paccacerqua, Cynthia María.** (2006-2007) Fulbright Doctoral Research Fellowship. *The German-American Fulbright Commission*, Berlin, Germany.
- Toledo, Roberto.** (2006) Turner Summer Research Grant, \$3,000. *Turner Fellowship*, Stony Brook, NY.
- Toledo, Roberto.** (2006) Stipendium to study at Universität Tübingen, €3,000. *Universität Tübingen*, Tübingen, Germany.
- Wolfe, Katharine.** (2006-2007) SSHRC Doctoral Fellowship, \$20,000 CND. *Social Sciences and the Humanities Research Council of Canada*, Ottawa, ON, Canada.

## ❖ Singly Authored Publications/Research Reports/Reviews

- Arruda, Caroline.** (2006) *The Specter of Democracy: Redefining Agents' Relation to Everyday Political Life*. *Radical Philosophy Review* 9 (2):201-206.
- Bragagnolo, Celina María.** (2006) Reclaiming Labour, Reclaiming Space, Review of *Taking Back Control: A Journey Through Argentina's Popular Uprisings* by Natasha Gordon and Paul Chatterton. *City- Analysis of Urban Trends, Culture, Theory, Policy, Action* 10(2):237-240.
- Burke, Karen.** (2006) Book Review of *On Bullshit*, by Harry G. Frankfurt. *Teaching Philosophy* 30(2):223-226.
- Butler, Samuel A.** (2007) Working for (Johnny) Cash: Labor in the Songs of the Man in Black. In J. Huss, and D. Werther (Eds.), *Johnny Cash and Philosophy: the Ring of Truth*. LaSalle, IL: Open Court Press.

## Philosophy

- Butler, Samuel A.** (2007) Born in the Country: Easy to Rule? In G. Backhouse (Ed.), *Globalization and Colonialism*. Newcastle upon Tyne, UK: Cambridge Scholars Publishing.
- Corrigan, James M.** (2006) *An Introduction to Awareness*. North Charleston, SC: BookSurge LLC.
- Hom, Sabrina.** (in press) Housekeepers and Nannies in the Homework Economy: On The Politics and Morality of Paid Housework. In Whisnant & DesAutels (Eds.), *Global Ethics*. New York, NY: Rowman and Littlefield.
- Hom, Sabrina.** (in press) Disinterring the Divine Law. In L. Irigaray (Ed.), *Luce Irigaray Teaches*. Cambridge, UK: Cambridge Scholars Press.
- Khader, Serene.** (forthcoming) When Equality Justifies Women's Subjection: Irigaray's Critique of Equality and the Father's Rights Movement. *Hypatia*.
- Landes, Donald A.** (2007) *Le Toucher* and the Corpus of Tact: exploring touch and technicity with Jacques Derrida and Jean-Luc Nancy. *L'Espirt Créateur* 47 (in press).
- Landes, Donald A.** (2007) Expressive-bodies, Ex-scriptive corpus: tracing the body from Maurice Merleau-Ponty to Jean-Luc Nancy. *Chiasmi International: Trilingual Studies Concerning the Thought of Merleau-Ponty* 9 (in press).
- Rosenberger, Robert.** (forthcoming) Quick-Freezing Philosophy: An Analysis of Imaging Technologies in Neurobiology. In J. Olsen, E. Selinger, and S. Riis (Eds.), *New Waves in Philosophy of Technology*. UK: Ashgate Publishing.
- Rosenberger, Robert.** (forthcoming) Perceiving Other Planets: Bodily Experience, Interpretation, and The Mars Orbiter Camera. *Human Studies*.
- Rosenberger, Robert.** (2006) Catching Up With Technoscience Studies. Review of Don Ihde and Evan Selinger (Eds.), *Chasing Technoscience: Matrix for Materiality*. *Human Studies* 29:399-403.
- Wolfe, Katharine.** (2006) From Aesthetics to Politics: Rancière, Kant and Deleuze. *Contemporary Aesthetics* 4: <http://www.contempaesthetics.org/newvolume/pages/journal.php>.

### ❖ Jointly Authored Publications/Research Reports/Reviews

- Eason, R., **Rosenberger, Robert**, Kokalis, T., Selinger, E., and Grim, P. (2007) What Kind of Science is Simulation? *Journal of Experimental and Theoretical Artificial Intelligence* 19(1):19-28.
- Grim, P., Au, R., Louie, N., **Rosenberger, Robert**, Braynen, W., Selinger, E., and Eason, R.E. (2006) Game-Theoretic Robustness in Cooperation and Prejudice Reduction: A Graphic Measure. In L.M. Rocha, L.S. Yaeger, M.A. Bedau, D. Floreano, R.L. Goldstone, and A. Vespignani (Eds.), *Artificial Life X* (pp. 445-451). Cambridge: MIT Press.

### ❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

- Altshuler, Roman.** (2006) Political Realism and Political Idealism. *International Association for Philosophy and Literature*. Freiburg, Germany.
- Bragagnolo, Celina María.** (2007) La periferia como inversión: una lectura de *Del Amor y Otros Demonios*. *Identities in Transition*. Mexico City, Mexico.
- Burke, Karen.** (2006) Masculine and Feminine Approaches to Nature. *Seminar for Ph.D. students with Luce Irigaray*. Nottingham University, Nottingham, England.
- Butler, Samuel A.** (2007) Struggle at the Borders of Juridicality. *Latin American and Caribbean Studies*

- Center Graduate Conference*. New York, NY.
- Butler, Samuel A.** (2007) *Martians, Migrants and Minima*. U.S. Basic Income Guarantee National Congress. New York, NY.
- Butler, Samuel A.** (2006) *Rural Space, Rural Speech, Rural Revolution*. Annual Conference of the International Association for the Study of Environment, Space, and Place. Towson, MD.
- Butler, Samuel A.** (2006) *The Poverty of Politics*. U.S. Basic Income Guarantee National Congress. Philadelphia, PA.
- Christopher, Johns.** (2006) *The Rule of Reason: The Golden Rule and the Definition of Justice in Leibniz' 'Meditation on the Common Notion of Justice*. VII Internationaler Leibniz-Kongress. Leibniz Universität, Hannover, Germany.
- Cphoon, Christopher.** (2007) *Elemental Silence in Levinas' Totality and Infinity*. 15<sup>th</sup> Annual Charles F. Fraker Conference: Ethics and Expression. University of Michigan, Ann Arbor, MI.
- Cphoon, Christopher.** (2007) *Friendship and Difference in the Nicomachean Ethics*. 2007 Annual Congress of the Canadian Philosophical Association. University of Saskatchewan, Saskatoon, Saskatchewan, Canada.
- Colapinto, Andrés.** (2007) *The Constitution of Events in Husserlian Phenomenology*. Doktoranden-Workshop. Husserl-Archiv, Köln, Germany.
- Colapinto, Andrés.** (2007) *Response to paper by Walter Hopp, Husserl and the Linsuistic Turn*. Husserl Circle. Prague, Czech Republic.
- Cruz, Azucena.** (2006) *Silence in the Urban Environment*. Society for Social Studies of Science (4S). Toronto, Canada.
- Friededt, Peter.** (2007) *Conversation and Ontology: Gadamer on the World*. North Texas Philosophical Association Conference. University of North Texas, TX.
- Friededt, Peter.** (2007) *Gadamerian Textual Renovation*. International Association for Philosophy and Literature Conference. University of Cyprus, Nicosia, Cyprus.
- Hom, Sabrina.** (2006) *From the Family to the Couple*. In the World We Are Always Only Between Two: Towards a Culture of Intersubjectivity, Nottingham University, UK.
- Hom, Sabrina.** (2006) *Housekeepers and Nannies in the Homework Economy: On the Politics and Morality of Paid Housework*. Feminist Ethics and Social Theory, Clearwater Beach, FL.
- Khader, Serene.** (2006) *Sexed Rights and Reproductive Rights*. Seminar of Luce Irigaray. Nottingham, UK.
- La Barbera, Christopher.** (2006) *Media and Gender: Questions of Identity in Pedagogy*. American Philosophical Association Annual Meeting: Group Program. Washington, DC.
- Landes, Donald A.** (2007) *The Vestiges of Expression: Rethinking Metaphor with Maurice Merleau-Ponty and Jean-Luc Nancy*. Association of Existential Phenomenological Theory and Culture, Canadian Humanities Congress. Saskatchewan, Canada.
- Landes, Donald A.** (2006) *The Tracing of the Body: From Expression to Institution to Ex-scription in Maurice Merleau-Ponty and Jean-Luc Nancy*. International Merleau-Ponty Circle. George Mason University, VA.
- Landes, Donald A.** (2006) *Expression and the Weight of Thought: exteriority and the assumption of sense in Jean-Luc Nancy*. International Philosophical Seminar. Alto Adige, Italy.
- Landes, Donald A.** (2006) *Metaphor and Performance: the life and death of expression*. International Association of Philosophy and Literature. Freiberg, Germany.

## Philosophy

- Landes, Donald A.** (2006) Expression and the Tip-of-the-Tongue: speaking, touching, and kissing in a de-centered phenomenology – Maurice Merleau-Ponty and Luce Irigaray. *Seminar for PhD students with Luce Irigaray*. Nottingham, UK.
- Matey, Jennifer.** (2006) Non-Sensory Properties in the Representational Character of Visual Experience. *Consciousness Discussion Forum, Center for Consciousness Studies*. University of Arizona, AZ.
- Rogers, Daria.** (2007) Challenging the Double-Bind of Cross-Cultural Translation: An Exercise against the 'Logic of Purity'. *14<sup>th</sup> Annual DePaul University Graduate Philosophy Conference*. Chicago, IL.
- Toledo, Roberto.** (2007) Biblical Literacy and Pan-Mayan Liberation. Intervention in Translation, Interpreting, and Intercultural Encounters. *2<sup>nd</sup> Conference of the International Association for Translation and Intercultural Studies*. University of the Western Cape, South Africa.
- Wolff, Greg.** (2007) Utopia in Anarchy: From Ethics to Politics, From Levinas to Dussel. *American Philosophical Association, Central Meeting*. Chicago, IL.
- Wolff, Greg.** (2006) Utopia in Anarchy: From Ethics to Politics, From Levinas to Dussel. *Radical Philosophy Association Conference*. Omaha, Nebraska.

### ❖ Post-Doctorates Obtained and Professional Appointments

- Kapossy, Christopher.** (2006-2008). Post-doctoral fellowship. Bioethics Health Law Institute, *Dalhousie University*. Halifax, Nova Scotia.
- Khader, Serene.** (2006-2007) Visiting Scholar. *Universite de Paris IV-Sorbonne*, Paris, France.
- Smith, Aaron P.** (2006) Assistant Professor. Philosophy Department, *Marian College*. Fond du Lac, WI.
- Bredlau, Susan.** (2007) Assistant Professor. Philosophy Department, *Northern Arizona University*. Flagstaff, AZ.
- Johns, Chris.** (2007) Visiting Assistant Professor. Philosophy Department, *Saint Xavier University*. Chicago, IL.
- Matey, Jennifer.** (2007) Assistant Professor. Philosophy Department, *Florida International University*, Miami, FL.
- Smith, Andrew.** (2007) Visiting Assistant Professor. Philosophy Department, *Illinois Western University*. Macomb, IL.

### ❖ Translations

- Landes, Donald A.** (2006) L'abc de la deconstruction/The abc of Deconstruction. By Jean-François Courtine. Keynote Address at the *International Association of Philosophy and Literature*. Freiberg, Germany.

# PHYSICS AND ASTRONOMY

GRADUATE DIRECTOR: LASZLO MIHALY  
DEPARTMENT CHAIR: PETER KOCH

## ❖ Grants, Fellowships, and Awards

- Beznosko, Dmitriy.** (2006) Rentec Fellowship, \$4,500. *Stony Brook University*, Stony Brook, NY.
- Nichols, Sarah R.** (2006) Book Prize, \$100. *Stony Brook University Physics Dept.*, Stony Brook, NY.
- Trallero-Herrero, Carlos.** (2006) Visiting Fellow, \$35,000. *National Research Council of Canada*, Ottawa, Canada.
- Yoon, Jinmi.** (2006) Astronomical Society of New York Travel grant, \$411.73. *Astronomical Society of New York*, NY.

## ❖ Singly Authored Publications/Research Reports/Reviews

- Ma, Xiaolong.** (2007) An Extremely Simple Reinforcement Learning Rule for Neural Networks. *Advances in Neural Networks ISNN 2007* (accepted).

## ❖ Jointly Authored Publications/Research Reports/Reviews

- Beznosko, Dmitriy**, Blazey, G., Dyshkant, A., Rykalin, V., Schellpffer, J., and Zutshi, V. (2006) Modular Design for Narrow Scintillating Cells with MRS Photodiodes in Strong Magnetic Field for ILC Detector. *Nuclear Instruments and Methods in Physics Research Section A* 564(1):178-184.
- Dyshkant, A., **Beznosko, Dmitriy**, Pla-Dalmau, A., and Rykalin, V. (2006) Extruded scintillator for the Calorimetry applications. *AIP Conference Proceedings* 867:513-520.
- Li, Z., Enyo, H., Goto, Y., Tojo, J., Akiba, Y., Nouicer, R., Deshpande, A.L., **Boyle, Kieran**, and Cianciolo, V. (2006) First large scale application of novel Si stripixel detector in real large experiment: SiVTX in PHENIX upgrade at RHIC. *Trans. Nonferrous Met. Soc. China* 16:141.
- Boyle, Kieran** for the PHENIX Collaboration. (2007) Double Longitudinal Spin Asymmetry in Neutral Pion Production in Polarized p+p Collisions at  $\sqrt{s}=200$  GeV at PHENIX. *Proceedings of the 17th International Spin Physics Symposium (SPIN2006)* arXiv:hep-ex/0701048v1.
- Dahms, Torsten** for the PHENIX collaboration. (2007) Measurement of photons via conversion pairs in  $s(NN)^{1/2} = 200$ -GeV Au + Measurement of photons via conversion pairs in  $s(NN)^{1/2} = 200$  GeV Au+Au collisions with the PHENIX experiment at RHIC. *The European Physical Journal C - Particles and Fields* 49:249-253.
- Drukker, N., **Giombi, Simone**, Ricci, R., and Trancanelli, D. (2007) More supersymmetric Wilson loops. *eprint arXiv:0704.2237*.
- Giombi, Simone**, Ricci, R., and Trancanelli, D. (2006) Operator product expansion of higher rank Wilson loops from D-branes and matrix models. *Journal of High Energy Physics* 0610: 045.

- Pokhodnya, K.I., Bonner, M., DiPasquale, A.G., Rheingold, A.L., **Her, Jae-hyuk**, Stephens, P.W., Park, J.W., Kennon, B.S., Arif, A.M., and Miller, J.S. (2007) Structural and magnetic properties of MC12 (M = Fe, Mn, Co): Acetonitrile solvates. *Inorganic Chemistry* 46: 2471.
- Pokhodnya, K.I., Bonner, M., **Her, Jae-hyuk**, Stephens, P.W., and Miller, J.S. (2006) Magnetic ordering (T-c=90 k) observed for layered [Fe-II(TCNE center dot-)(NCMe)(2)] (+) [(FeCl4)-Cl-III](-) (TCNE = tetracyanoethylene). *Journal of the American Chemical Society* 128: 15592.
- Holt, Jeremy W.**, and Brown, G.E. (2006) Hans Bethe and the nuclear many-body problem. In G.E. Brown, and C.H. Lee (Eds.), *Hans Bethe and His Physics* (pp. 201). Singapore: World Scientific.
- Brown, G.E., **Holt, Jeremy W.**, Lee, C.H., and Rho, M. (2007) Vector manifestation and matter formed in relativistic heavy-ion processes. *Physics Reports* 439: 161.
- Orce, J.N., Holt, J.D., Linnemann, A., McKay, C.J., Leshner, S.R., Fransen, C., **Holt, Jeremy W.**, Kumar, A., Warr, N., Werner, V., Jolie, J., Kuo, T.T.S., McEllistrem, M.T., Pietralla, N., and Yates, S.W. (2006) Identification of mixed symmetry states in an odd-mass nearly spherical nucleus. *Physical Review Letters* 97: 010501.
- Hestenes, David, and **Holt, Jeremy W.** (2007) Crystallographic space groups in geometric algebra. *Journal of Mathematical Physics* 48: 023514.
- Holt, Jeremy W.**, Brown, G.E., Holt, J.D., and Kuo, T.T.S. (2007) Nuclear matter with Brown-Rho-scaled Fermi liquid interactions. *Nuclear Physics A* 785: 322.
- Feser, M., **Hornberger, Benjamin**, Jacobsen, C., DeGeronimo, G., Rehak, P., Holl, P. and Strüder, L. (2006) Integrating Silicon detector with segmentation for scanning transmission X-ray microscopy. *Nuclear Instruments and Methods A* 565(2): 841-854.
- Hornberger, Benjamin**, Feser, M., Jacobsen, C., Vogt, S., Legnini, D., Paterson, D., Rehak, P., DeGeronimo, G., and Palmer, B.M. (2006) Combined Fluorescence and Phase Contrast Imaging at the Advanced Photon Source. *IPAP Conference Series* 7:396-398.
- Hornberger, Benjamin**, Feser, M., and Jacobsen, C. (2007) Quantitative amplitude and phase contrast imaging in a scanning transmission X-ray microscope. *Ultramicroscopy* 107 (2007) 644–655.
- Kato, Tokufumi** for the Super-Kamiokande Collaboration. (2006) Measurement of Atmospheric Neutrino Flux Consistent with Tau Neutrino Appearance. *Physical Review Letters* 97: 171801.
- Kim, K.Y., **Lepzelter, David**, and Wang, J. (2007) Single molecule dynamics and statistical fluctuations of gene regulatory networks: A repressilator. *Journal of Chemical Physics* 126: 034702.
- Liao, Jinfeng**, and Shuryak, E. (2007) Strongly Coupled Plasma with Electric and Magnetic Charges. *Physical Review C* 75(5): doi:10.1103/PhysRevC.75.054907.
- Longobardi, Luigi**, Pottorf, S., Patel, V., and Lukens, J.E. (2007) Development and testing of a persistent flux bias for qubits. *IEEE Transactions on Applied Superconductivity*.
- Ma, Xiaolong**, and Likharev, K.K. (2006) Global Reinforcement Learning in Neural Networks with Stochastic Synapses. *Neural Networks 2006, IJCNN '06*: 47-53.
- Ma, Xiaolong**, and Likharev, K.K. (2007) Global Reinforcement Learning in Neural Networks. *IEEE Transactions on Neural Networks* 18: 573-577.
- Impey, C., and **Nichols, Sarah R.** (2006) Designing and Teaching an Inquiry-Based Curriculum. *Conference Proceedings: 2006 Reinvention Center Conference on Transforming the Culture: Undergraduate Education and the Multiple Functions of the Research University*. Washington, DC.
- Longobardi, L., and **Pottorf, Shawn**, Patel, V., and Lukens, J.E. (2007) Development and testing of a persistent flux bias for qubits. *IEEE Transactions on Applied Superconductivity* (accepted).
- Valla, T., Kidd, T.E., **Rameau, Jonathan D.**, Noh, H.J., Gu, G.D., Johnson, P.D., Yang, H.B., and Ding, H. (2006) Fine details of the nodal electronic excitations in Bi2Sr2CaCu2O8+ delta. *Physical*



*Review B 73*: 184518.

Kharzeev, D., **Reyes, Sebastian A.**, and Tselik, A.M. (2007) Spin density wave formation in graphene facilitated by in-plane magnetic field. *arXiv.org e-Print archive*.

**Trallero-Herrero, Carlos**, Spanner, M., and Weinacht, T. (2006) Understanding strong-field coherent control: Measuring single-atom versus collective dynamics. *Physics Review A 74*: 051403.

**Yoon, Jinmi**, Peterson, D.M., Armstrong, J.T., Clark III, J., Gilbreath, C., Pauls, T., and Schmitt, H. (2006) Early type stars as calibrators for ground-based interferometry. *Proceedings of SPIE 6268*: 626848.

**Yoon, Jinmi**, Peterson, D.M., Armstrong, J.T., Clark III, J., Gilbreath, C., Pauls, T., Schmitt, H., and Zagarello, R. (2007) The Effect of Rotation on Calibrators for Ground-based Interferometry. *Publications of Astronomical Society of the Pacific 119*: 437–443.

**Zhou, Wei**, Camino, F.E., and Goldman, V.J. (2006) Flux period scaling in the Laughlin quasiparticle interferometer. *Physical Review B 73*: 245322.

Camino, F.E., **Zhou, Wei**, and Goldman, V.J. (2007)  $e/3$  Laughlin Quasiparticle Primary-Filling  $\nu=1/3$  Interferometer. *Physical Review Letters 98*: 076805.

#### ❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

**Boyle, Kieran** for the PHENIX Collaboration. (2006) Double Longitudinal Spin Asymmetry in Neutral Pion Production in Polarized pp Collisions at  $\sqrt{s}=200$  GeV at PHENIX. *17th International Spin Physics Symposium (SPIN06)*. Kyoto, Japan.

**Boyle, Kieran** for the PHENIX Collaboration. (2006) Recent Results from the PHENIX spin program at RHIC. *Second Meeting of the APS Topical Group on Hadronic Physics*. Nashville, TN.

**Boyle, Kieran** for the PHENIX Collaboration. (2006) Recent Results from PHENIX Longitudinal Spin Program. *International Workshop on RHIC Spin Physics*. Tokyo, Japan.

**Christidi, Ilektra-Athanasia**. (2006) Search for the rare decay  $K(+)\rightarrow\pi(+)\nu\bar{\nu}$  with BNL's E949. *HEP seminar*. Physics department, Aristotle University of Thessaloniki, Greece.

**Dahms, Torsten**. (2006) Electromagnetic Probes - PHENIX results. *Annual RHIC and AGS Users Meeting*. Brookhaven National Laboratory, Upton, NY.

**Dahms, Torsten**. (2007) Search for Thermal Photons in PHENIX. *Winter Workshop on Nuclear Dynamics*. Big Sky, MT.

**Giombi, Simone**. (2006) Giant Wilson loops from D-branes and matrix models. *Young Researchers Conference*. Perimeter Institute, Waterloo, CA.

**Giombi, Simone**. (2006) Giant Wilson loops from D-branes and matrix models. *Invited Seminar*. University of Michigan, Ann Arbor.

**Holt, Jeremy W.** (2006) Brown-Rho scaling with low momentum nucleon-nucleon interactions. *Theoretical Hadron Group Seminar*. Nagoya University.

**Holt, Jeremy W.** (2006) Fermi liquid theory with Brown-Rho-scaled nucleon-nucleon interactions. *Theoretical Nuclear Physics Seminar*. Pusan National University.

**Kato, Tokufumi** for the Super-Kamiokande Collaboration. (2006) Tau Neutrino Appearance in the Atmospheric Neutrinos. *DPF2006: Joint Meeting of Pacific Region Particle Physics Communities*. Honolulu, Hawaii.

**Kato, Tokufumi** for the Super-Kamiokande Collaboration. (2006) Tau Neutrino Appearance in the Atmospheric Neutrinos. *NEUTRINO 2006*. Santa Fe, NM.

- Longobardi, Luigi**, Pottorf, S., Patel, V., and Lukens, J.E. (2006) Development and testing of a persistent flux bias for qubits. *Applied Superconductivity Conference*. Seattle, WA.
- Bennett, D., **Longobardi, Luigi**, Patel, V., Chen, W., Averin, D., DiLorenzo, A., Kuznetsov, V., Mannik, J., Pottorf, S., Rabenstein, K., and Lukens, J. (2007) Studies of decoherence in a large area Nb flux qubit. *APS March Meeting*. Denver, CO.
- Bennett, D.A., Patel, V., **Longobardi, Luigi**, and Lukens, J.E. (2006) Low Back-action Readouts for Flux Qubits. *Applied Superconductivity Conference*. Seattle, WA.
- Ma, Xiaolong**. (2007) Reinforcement Training of CrossNets: Prospects and Problems. *Fena 2007*. Los Angeles, CA.
- Nichols, Sarah R.**, Pearson, B.J., Gibson, G., and Weinacht, T.C. (2007) Dissociative Ionization of an Aligned Molecular Sample. *CLEO/QELS*. Baltimore, MD.
- Nichols, Sarah R.**, Pearson, B.J., and Weinacht, T.C. (2006) Production of Highly Charged States of Molecular Nitrogen in an Impulsively Aligned Sample. *2006 Cross Border Workshop*. Storrs, CT.
- Longobardi, L., **Pottorf, Shawn**, Patel, V., and Lukens, J.E. (2006) Development and testing of a persistent flux bias for qubits. *Applied Superconductivity Conference*. Seattle, WA.
- Pottorf, Shawn**, Patel, V., and Lukens, J.E. (2006) Nb/AlOx/Nb Junction Quality Measurements for Flux Qubits. *Applied Superconductivity Conference*. Seattle, WA.
- Pottorf, Shawn**, Patel, V., and Lukens, J.E. (2007) Low-frequency Critical Current Fluctuation Measurements in Nb/AlOx/Nb Junctions. *American Physical Society*. Denver, CO.
- Bennett, D., Longobardi, L., Patel, V., Chen, W., Averin, D., DiLorenzo, A., Kuznetsov, V., Mannik, J., **Pottorf, Shawn**, Rabenstein, K., and Lukens, J. (2007) Studies of decoherence in a large area Nb flux qubit. *American Physical Society*. Denver, CO.
- Reyes, Sebastian A.**, and Tselvik, A.M. (2006) Quantum Impurity Problem with Non-universal Indices. *XI Training Course in the Physics of Strongly Correlated Systems*. Vietri Sul Mare, Salerno, Italy.
- Reyes, Sebastian A.**, and Tselvik, A.M. (2007) Spin density wave formation in graphene facilitated by in-plane magnetic field *APS March Meeting*. Denver, CO.
- Simonian, Nikita**, Li, J., and Likharev, K. (2007) Universal Negative Differential Resistance in Single-Electron Transport through Atoms and Molecules. *APS March Meeting*. Denver, CO.
- Simonian, Nikita**, Li, J., and Likharev, K. (2007) Universal Negative Differential Resistance in Single-Electron Transport through Atoms and Molecules. *Nano and Giga Challenges*. Phoenix, AZ.
- Trallero-Herrero, Carlos**. (2006) Coherent Control of Atoms Under Strong Fields. *Physics Department Colloquium*. Colby College, Waterville, ME.
- Trallero-Herrero, Carlos**, Spanner, M., and Weinacht, T. (2006) Understanding Strong Field Coherent Control: From Single Atom Dynamics to Stimulated Emission. *Gordon Research Conference: Multiphoton Processes*. Tilton School, Tilton, NH.
- Trallero-Herrero, Carlos A.**, Pearson, B., Weinacht, T.C. (2007) Strong Field Coherent Control with Simple Pulse Shapes: Towards Shaped Pulse Spectroscopy. *Conference on Lasers and Electro Optics*. Baltimore Convention Center, Baltimore, MA.
- Yoon, Jinmi**, Peterson, D., Zagarello, R., NRL, and USNO. (2007) The effects of rotation on early type stars as ground-based interferometry calibrators. *Astronomical Society of New York*. Hofstra University, Heamstead, NY.
- Zhang, Yan**, Nielsen, B., Mendez, E.E., and Jimenez, J. (2007) Hydrostatic Pressure Study of GaN-Based FETs. *APS March Meeting*. Denver, CO.
- Zhou, Wei**, Camino, F.E., and Goldman, V.J. (2007) Tunable-coupling quantum antidot molecule. *APS March Meeting*. Denver, CO.

❖ **Post-Doctorates Obtained and Professional Appointments**

**Trallero-Herrero, Carlos.** (2006) Visiting Fellow (Postdoctoral fellow). *Steacie Institute for Molecular Sciences, National Research Council of Canada, NRC, Ottawa, ON, Canada.*

# PHYSIOLOGY AND BIOPHYSICS

GRADUATE DIRECTORS: SUZANNE SCARLATA (PH.D.)

IRENE SOLOMON (M.A.)

DEPARTMENT CHAIR: PETER BRINK

## ❖ **Jointly Authored Publications/Research Reports/Reviews**

**Gerido, D.A.**, Derosa, A.M., Richard, G., and White, T.W. (2007) Aberrant hemichannel properties of Cx26 mutations causing skin disease and deafness. *Am J Physiol Cell Physiol* 293: C337-C345.

## ❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

**Wang, Huan**, Gao, J., Sun, X., Varadaraj, K., Farrell, M., Reddy, V.N., and Mathias, R.T. (2007) The Lens' Circulation in 14-Month-Old GPX-1 KO and WT Mice. *The Association for Research in Vision and Ophthalmology (ARVO)*. Fort Lauderdale, FL.

# POLITICAL SCIENCE

GRADUATE DIRECTOR: CHARLES TABER

DEPARTMENT CHAIR: JEFFREY SEGAL

## ❖ Grants, Fellowships, and Awards

- Cassese, Erin.** (2006) Graduate Student Teaching Award. *Department of Political Science, Stony Brook University*, Stony Brook, NY.
- Huddy, L., Feldman, S., **Cassese, Erin**, and Lizotte, Mary-Kate. (2006) Dialogues Across Differences Grant Recipient, \$750. *Stony Brook University's Department of Diversity and Affirmative Action*, Stony Brook, NY.
- Erisen, Cengiz.** (2006) Professional Development Program Fund, \$400. *Graduate Student Employees Union, Stony Brook University*, Stony Brook, NY.
- Huddy, L., Feldman, S., Cassese, Erin, and **Lizotte, Mary-Kate.** (2006) Dialogues Across Differences Grant Recipient, \$750. *Stony Brook University's Department of Diversity and Affirmative Action*, Stony Brook, NY.
- Sidman, Andrew.** (2007) Westview Press Award for Best Paper by a Graduate Student Presented at the 2006 Annual Meeting, \$250. *Midwest Political Science Association*, Bloomington, IN.
- Sommer, Ehud.** (2007) NSF Doctoral Research Dissertation Improvement Grant, \$11,933. *National Science Foundation*, Arlington, VA.

## ❖ Jointly Authored Publications/Research Reports/Reviews

- Huddy, L., Feldman, S., and **Cassese, Erin.** (2007) On the Distinct Political Effects of Anxiety and Anger. In Ann Crigler, Michael MacKuen, George Marcus, and W. Russell Neuman (Eds.), *The Affect Effect: The Dynamics of Emotion in Political Thinking and Behavior*. Chicago, IL: Chicago University Press.
- Huddy, L., **Cassese, Erin**, and Lizotte, Mary-Kate. (forthcoming) Sources of Political Unity and Disunity Among Women: Placing the Gender Gap in Perspective. In Lois Duke Whittaker (Ed.), *The Gender Gap – Voting and the Sexes*. Champaign, IL: University of Illinois Press.
- Huddy, L., **Cassese, Erin**, and Lizotte, Mary-Kate. (forthcoming) Gender and Public Opinion. In Christina Wolbrecht, Karen Beckwith, and Lisa Baldez (Eds.), *Political Women and American Democracy*. New York, NY: Cambridge University Press.
- Huddy, L., Cassese, Erin, and **Lizotte, Mary-Kate.** (forthcoming) Sources of Political Unity and Disunity Among Women: Placing the Gender Gap in Perspective. In Lois Duke Whittaker (Ed.), *The Gender Gap – Voting and the Sexes*. Champaign, IL: University of Illinois Press.
- Huddy, L., Cassese, Erin, and **Lizotte, Mary-Kate.** (forthcoming) Gender and Public Opinion. In Christina Wolbrecht, Karen Beckwith, and Lisa Baldez (Eds.), *Political Women and American Democracy*. New York, NY: Cambridge University Press.
- Norpoth, H., and **Sidman, Andrew.** (in press) Mission Accomplished: The Wartime Election of 2004. *Political Behavior*.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Arikan, Gizem.** (2006) Accountability in US Congressional Elections: A Dynamic Model. *64<sup>th</sup> Annual Conference of the Midwest Political Science Association*, Chicago, IL.
- Arikan, Gizem,** and Sekercioglu, Eser. (2007) Third party support in the US 1980-2004. *Annual Meeting of Midwest Political Science Association*. Chicago, IL.
- Sekercioglu, Eser, **Arikan, Gizem,** and Carkoglu, Ali. (2006) Measuring Geographic Representative Strength of Electoral Systems. *64<sup>th</sup> Annual Meeting of Midwest Political Science Association*. Chicago, IL.
- Basinger, S.,** and Sidman, Andrew. (2007) Campaign Advertising and Credit Claiming in the 2002 House Elections. *Annual Meeting of the Midwest Political Science Association*. Palmer House Hilton, Chicago, IL.
- Ben-Nun, Pazit.** (2006) Mood and Strength of Preexisting Attitudes As Affecting Political Persuasion. *The International Society of Political Psychology Conference (ISPP)*. Barcelona, Spain.
- Ben-Nun, Pazit,** Zemach, Mina, and Arian, Asher. (2007) Religiosity and Democratic Performance Evaluations. *65<sup>th</sup> Annual Conference of the Midwest Political Science Association*. Chicago, IL.
- Cassese, Erin,** and Weber, C.R. (2007) Emotion, Attribution, and Attitudes towards Crime. *Annual Meeting of the Midwest Political Science Association*. Chicago, IL.
- Cassese, Erin** (2006) Culture Wars as Identity Politics – A Look at Political Sophisticates. *Annual meeting of the American Political Science Association*. Philadelphia, PA. (poster)
- Cassese, Erin** (2006) Culture Wars as Identity Politics. *Annual meeting of the International Society for Political Psychology*. Barcelona, Spain.
- Cassese, Erin** (2006) Culture Wars as Identity Politics. *Annual meeting of the Midwest Political Science Association*. Chicago, IL.
- Cassese, Erin,** and Khatib, N. (2006) Exploring the Dynamics of the Gender Gap in Efficacy and Participation. *Annual meeting of the Midwest Political Science Association*. Chicago, IL.
- Huddy, L., **Cassese, Erin,** and Lizotte, Mary-Kate. (2006/2007) Sources of Political Unity and Disunity Among Women: Placing the Gender Gap in Perspective. *International Society of Political Psychology Annual Meeting*. Barcelona, Spain; and *Midwest Political Science Annual Meeting*. Chicago, IL.
- Erisen, Cengiz,** Lodge, Milton, and Taber, Charles S. (2006) Experimental Tests of the Consequentialist Model of How People Think and Reason about Political Events and Public Policy. *American Political Science Association*. Philadelphia, PA.
- Erisen, Cengiz.** (2006) The Role of Emotions in Prospect Theory. *Midwest Political Science Association*. Chicago, IL.
- Javaid, Naser L.,** and Mak, Maxwell. (2007) Rally-Around-the-Flag and the Supreme Court: Judicial Decision-Making during Times of War or Crises. *Midwest Political Science Association 65<sup>th</sup> Annual National Conference*. Chicago, IL.
- Cassese, Erin, and **Khatib, N.** (2006) Exploring the Dynamics of the Gender Gap in Efficacy and Participation. *Annual meeting of the Midwest Political Science Association*. Chicago, IL.
- Huddy, L., Cassese, Erin, and **Lizotte, Mary-Kate.** (2006/2007) Sources of Political Unity and Disunity Among Women: Placing the Gender Gap in Perspective. *International Society of Political Psychology Annual Meeting*. Barcelona, Spain; and *Midwest Political Science Annual Meeting*. Chicago, IL.
- Lizotte, Mary-Kate.** (2007) Evaluations of and Emotional Responses to the Women's Movement. *Midwest*

- Political Science Annual Meeting*. Chicago, IL.
- Lizotte, Mary-Kate**, Taber, C. and Lodge, M. (2006) Measuring Emotions in Political Surveys: Semantic versus Somatic Responses *American Political Science Annual Meeting*. Philadelphia, PA.
- Lizotte, Mary-Kate**, Taber, C., and Lodge, M. (2006) Semantic versus Somatic Responses to Emotion Items in Political Surveys, *Midwest Political Science Annual Meeting*. Chicago, IL.
- Javaid, Naser L., and **Mak, Maxwell**. (2007) Rally-Around-the-Flag and the Supreme Court: Judicial Decision-Making during Times of War or Crises. *Midwest Political Science Association 65<sup>th</sup> Annual National Conference*. Chicago, IL.
- Sidman, Andrew, and **Mak, Maxwell**. (2006) The Effects of Distributive Benefits on Turnout and Voting in House Elections, 2000 to 2004. *Annual Meeting of the American Political Science Association*. Philadelphia, PA.
- Mason, Lilliana Hall**, and Feldman, S. (2006) Religious Fundamentalism, Conflict Aversion, and Political Intolerance. *Annual Meeting of the International Society for Political Psychology*. Barcelona, Spain.
- Mason, Lilliana Hall**, and Feldman, S. (2007) Religion, Fundamentalism, and Political Intolerance. *Annual Meeting of the Midwest Political Science Association*. Chicago, IL.
- Mason, Lilliana Hall**. (2007) *Pollsters and Parishioners: Seminar on Survey Research and American Religion*. Grand Rapids, MI. (accepted)
- Sekercioglu, Eser**, Arikan, Gizem, and Carkoglu, Ali. (2006) Measuring Geographic Representative Strength of Electoral Systems. *64<sup>th</sup> Annual Meeting of Midwest Political Science Association*. Chicago, IL.
- Sekercioglu, Eser**, and Yavcan, Basak. (2007) Attitudes towards EU Integration: Issues of Cross-Cultural Measurement. *Annual Meeting of Midwest Political Science Association*. Chicago, IL. (Nominated for the Westview Press Award Best Paper by a Graduate Student)
- Arikan, Gizem, and **Sekercioglu, Eser**. (2007) Third party support in the US 1980-2004. *Annual Meeting of Midwest Political Science Association*. Chicago, IL.
- Sommer, Ehud, and **Sekercioglu, Eser**. (2007) Institutional antecedents of judicial decision making. *Annual Meeting of Midwest Political Science Association*. Chicago, IL.
- Sommer, Ehud, and **Sekercioglu, Eser**. (2007) Institutionally-Induced Strategic Judicial Behavior: A cross-sectional analysis. *Southern Political Science Association*. New Orleans, LA.
- Basinger, S., and **Sidman, Andrew**. (2007) Campaign Advertising and Credit Claiming in the 2002 House Elections. *Annual Meeting of the Midwest Political Science Association*. Palmer House Hilton, Chicago, IL.
- Sidman, Andrew**. (2006) Campaign Strength: Addressing the Measurement Problem in the Ability of Incumbents to Deter Strong Challengers through Pork Barreling. *Annual Meeting of the American Political Science Association*. Philadelphia, PA.
- Sidman, Andrew**, and Mak, Maxwell. (2006) The Effects of Distributive Benefits on Turnout and Voting in House Elections, 2000 to 2004. *Annual Meeting of the American Political Science Association*. Philadelphia, PA.
- Norpoth, H., and **Sidman, Andrew** (2007) Wartime Presidents: Battle Casualties and Popular Support. *Annual Meeting of the Midwest Political Science Association*. Palmer House Hilton, Chicago, IL.
- Sohlberg, Jacob**. (2006) The Effect of Anxiety on Political Learning: Helpful, Harmful or Both? *International Society of Political Psychology Annual Scientific Meeting*. Barcelona, Spain.
- Sommer, Ehud**. (2006) Are Justices Opinion Minded when Voting on Certiorari? *American Political Science Association Annual Meeting*. Philadelphia, PA.

## Political Science

**Sommer, Ehud.** (2006) Women Constituencies and their Influence on Supreme Court Confirmations. *Midwest Political Science Association Annual Meeting*, Chicago, IL.

**Sommer, Ehud,** and Sekercioglu, Eser. (2007) Institutional antecedents of judicial decision making. *Annual Meeting of Midwest Political Science Association*. Chicago, IL.

**Sommer, Ehud,** and Sekercioglu, Eser. (2007) Institutionally-Induced Strategic Judicial Behavior: A cross-sectional analysis. *Southern Political Science Association*. New Orleans, LA.

Cassese, Erin, and **Weber, C.R.** (2007) Emotion, Attribution, and Attitudes towards Crime. *Annual Meeting of the Midwest Political Science Association*. Chicago, IL.

### ❖ Post-Doctorates Obtained and Professional Appointments

**Cassese, Erin.** (2007) Assistant Professor. Department of Political Science, *West Virginia University*, Morgantown, WV.

**Sidman, Andrew.** (2007) Assistant Professor. Department of Government, *John Jay College of Criminal Justice*, New York, NY.



# PSYCHOLOGY

GRADUATE DIRECTOR: ARTHUR SAMUEL  
DEPARTMENT CHAIR: NANCY SQUIRES

## ❖ Grants, Fellowships, and Awards

- Cannella, Dolores.** (2007) President's Award for Excellence in Teaching by a Graduate Student, \$500. *Stony Brook University*, Stony Brook, NY.
- Cannella, Dolores.** (2007) Departmental Teaching Award, \$100. *Stony Brook University*, Stony Brook, NY.
- Cannella, Dolores.** (2007) Departmental Research Award, \$200. *Stony Brook University*, Stony Brook, NY.
- Cannella, Dolores.** (2007) Departmental Travel Award, \$300. *Stony Brook University*, Stony Brook, NY.
- Cannella, Dolores.** (2007) Graduate Student Association Travel Award, \$250. *Stony Brook University*, Stony Brook, NY.
- Chiaramonte, Gabrielle R.** (2006) Departmental Award for Research Excellence, \$100. *Stony Brook University*, Stony Brook, NY.
- Congdon, Eliza.** (2006) Alumni Graduate Summer Research Fellowship, \$4,000. *Stony Brook University*, Stony Brook, NY.
- Congdon, Eliza.** (2006) Ruth L. Kirschstein National Research Service Award, \$29,523. *National Institute of Mental Health*, Bethesda, MD.
- Foran, Heather.** (2006) Alumni Graduate Summer Research Fellowship, \$2000. *Stony Brook University*, Stony Brook, NY.
- Foster, A., and **Blumen, H.M.**, and Rajaram, S. (2006) Excellence in the Area of Social and Behavioral Sciences Award for poster presentation. *Annual Biomedical Research Conference for Minority Students*, Anaheim, CA.
- Galati, Alexia.** (2007) LSA Linguistic Institute Fellowship. \$1,300. *Linguistic Society of America*, Washington, DC.
- Galati, Alexia,** and Kuhlen, Anna. (2007) Funding to organize workshop "Forms and meanings of gestures: A linguistic approach to the description and analysis of gestures," \$1,000. *Graduate Student Organization, Stony Brook University*, Stony Brook, NY.
- Galati, Alexia,** and Kuhlen, Anna. (2006) Organized workshop "Gesture structure: phases, phrases and units" by Mandana Seyfeddinipur. \$890. Graduate Student Organization, *Stony Brook University*, Stony Brook, NY.
- Galati, Alexia, and **Kuhlen, Anna.** (2007) Funding to organize workshop "Forms and meanings of gestures: A linguistic approach to the description and analysis of gestures," \$1,000. *Graduate Student Organization, Stony Brook University*, Stony Brook, NY.
- Galati, Alexia, and **Kuhlen, Anna.** (2006) Organized workshop "Gesture structure: phases, phrases and units" by Mandana Seyfeddinipur. \$890. Graduate Student Organization, *Stony Brook University*, Stony Brook, NY.
- Oh, Hwamee.** (2006) Departmental Travel Award, \$300. *Stony Brook University*, Stony Brook, NY.

## Psychology

- Oh, Hwamee.** (2006) Graduate Student Organization Travel Award, \$250. Graduate Student Organization, *Stony Brook University*, Stony Brook, NY.
- Pachankis, John.** (2007) Malyon-Smith Award, \$1,000. *American Psychological Association, Division 44*, Washington, DC.
- Pereira-Pasarin, Luciane.** (2007) Professional Development Program, \$225. Community Workers of America 1104/Graduate Student Employees Union and Stony Brook University, Stony Brook, NY.
- Pereira-Pasarin, Luciane.** (2007) Travel Award, \$300. *Stony Brook University*, Stony Brook, NY.
- Pereira-Pasarin, Luciane.** (2007) Research Award, \$200. *Stony Brook University*, Stony Brook, NY.
- Raymond, Lanette.** (2007) Governance Award for Academic Excellence and Service. *Suffolk County Community College*. Selden, NY.
- Xu, Xiaomeng.** (2007) Graduate Research Fellowship Program Honorary Mention. *National Science Foundation*, North Arlington, VA.
- Zevallos, Ana.** (2006) Turner Financial Support for Preparation of Dissertation, \$3,000. *Stony Brook University*, Stony Brook, NY.
- Zevallos, Ana.** (2004-2006) Member of the Turner Advisory Committee. *Stony Brook University*. Stony Brook, NY.

### ❖ Singly Authored Publications/Research Reports/Reviews

- Pachankis, John** (2007) The psychological implications of concealing a stigma: A cognitive-affective-behavioral model, *Psychological Bulletin* 133:328-345.

### ❖ Jointly Authored Publications/Research Reports/Reviews

- Canli, T., Qiu, M., Omura, K., Congdon, Eliza, Haas, B., **Amin, Z.**, Hermann, M.J., Constable, R. T., and Lesch, K.P. (2006) Neural correlates of epigenesis. *Proceedings of the National Academy of Sciences of the United States of America* 103(43):16033-16038.
- Blackshear, A.**, Yamamoto, M., Anderson, B.J, Holmes, P.V., Lundström, L., Langel, Ü, and Robinson, J.K. (2007) Intracerebroventricular administration of galanin or galanin receptor subtype 1 agonist M617 induces c-Fos activation in central amygdala and dorsomedial hypothalamus. *Peptides* 28 (5):1120-1124.
- Kritzer, M.F., **Brewer, A.**, Montalmon, F., Davenport, M., and Robinson, J.K. (2007) Effects of gonadectomy on performance of operant tasks measuring prefrontal cortical function in adult male rats. *Hormones and Behavior* 51:183-194.
- Klein, D.N., Torpey, D.C., **Bufferd, S.J.**, and Dyson, M.W. (in press) Depressive disorders. *Child and Adolescent Psychopathology*. T.P. Beauchaine and S.P. Hinshaw adversity. In N. Mulholland (Ed.), *The Psychology of Harry Potter: An Unauthorized Examination of the Boy Who Lived*. Dallas, TX: BenBella Books.
- Cannella, Dolores**, Lobel, M., Glass, P., Lokshina I., and Graham, G.E. (2007) Factors associated with depressed mood in chronic pain patients: The role of intrapersonal coping resources. *Journal of Pain* 8: 256-262.
- Chen, X.**, and Zelinsky, G. (2006) Real-world visual search is dominated by top-down guidance. *Vision*

*Research* 46:4118-4133.

- Zelinsky, G., Zhang, W., Yu, B., **Chen, X.**, and Samaras, D. (2006) The role of top-down and bottom-up processes in guiding eye movements during visual search. In Y. Weiss, B. Scholkopf, and J. Platt (Eds.), *Advances in Neural Information Processing Systems 18*:1569-1576.
- Chiaramonte, Gabrielle R.**, and Friend, R. (2006) Medical Students' and Residents' Gender Bias in the Diagnosis, Treatment, and Interpretation of CHD Symptoms. *Health Psychology* 25(3):255-266.
- Cohen, S.**, Klein, D.N., and O'Leary, K.D. (in press) The role of separation/divorce in relapse into and recovery from depression: Finding the unexpected. *Journal of Social and Personal Relationships*.
- O'Leary, K.D., and **Cohen, S.** (2007) Treatment of psychological and physical aggression in a couples context. In Hamel, J. and Nicholls, T. (Eds.), *Family Interventions in Domestic Violence: A Handbook of Gender-Inclusive Theory and Treatment*. New York: Guilford Press.
- Congdon, Eliza**, and Canli, T. (in press) A neuro-genomic approach to impulsivity. *Journal of Personality Special Issue: New Directions in an Individual Differences Approach to Personality*.
- Congdon, Eliza**, and Canli, T. (in press) Genomic Imaging of Personality: Towards a Molecular Neurobiology of Impulsivity. *Handbook of Personality and Testing*, Eds. Gregory Boyle, Gerald Matthews, Donald Saklofske, Sage Publications.
- Canli, T., Qiu, M., Omura, K., **Congdon, Eliza**, Haas, B., Amin, Z., Hermann, M.J., Constable, R. T., and Lesch, K.P. (2006) Neural correlates of epigenesis. *Proceedings of the National Academy of Sciences of the United States of America* 103(43):16033-16038.
- Congdon, Eliza**, Lesch, K.P., and Canli, T. (in press) Analysis of DRD4 and DAT polymorphisms and behavioral inhibition in healthy adults: Implications for impulsivity. *American Journal of Medical Genetics Part B: Neuropsychiatric Genetics*.
- Dougherty, L.R.**, Klein, D.N., Olino, T.M., and Laptook, R.S. (in press) Depression in children and adolescents. In J. Hunsley and E. Mash (Eds.), *A Guide to Assessments That Work*. New York: Oxford University Press.
- Hayden, E.P., **Dougherty, L.R.**, Maloney, B., Durbin, C.E., Olino, T.M., Nurnberger Jr., J.I., Lahiri, D.K., and Klein, D.N. (2007) Temperamental fearfulness in childhood and the serotonin transporter promoter region polymorphism: A multimethod association study. *Psychiatric Genetics* 17(3):135-142.
- Klein, D.N., **Dougherty, L.R.**, Laptook, R.S., and Olino, T.M. (in press) Temperament and risk for mood disorders in adolescents. In N. Allen and L. Sheeber (Eds.), *Adolescent Emotional Development and the Emergence of Depressive Disorders*. Cambridge, England: Cambridge University Press.
- Laptook, R.S., Klein, D.N., and **Dougherty, L.R.** (2006) Ten-year stability of depressive personality disorder in depressed outpatients. *American Journal of Psychiatry* 163:865-871.
- Durbin, C.E.**, and Klein, D.N. (2006) Ten-year stability of personality disorders among outpatients with mood disorders. *Journal of Abnormal Psychology* 115:75-84.
- Durbin, C.E.**, Hayden, E.P., Klein, D.N., and Olino, T.M. (in press) Stability of laboratory assessed temperament traits from ages 3 to 7. *Emotion*.
- Hayden, E.P., Dougherty, L.R., Maloney, B., **Durbin, C.E.**, Olino, T.M., Nurnberger Jr., J.I., Lahiri, D.K., and Klein, D.N. (2007) Temperamental fearfulness in childhood and the serotonin transporter promoter region polymorphism: A multimethod association study. *Psychiatric Genetics* 17(3):135-142.
- Egidi, G.**, and Gerrig, R. J. (2006) Readers' experiences of characters' goals and actions. *Journal of Experimental Psychology: Learning, Memory, and Cognition* 32:1322-1329.
- Foran, Heather**, and O'Leary, K.D. (in press) Alcohol, Jealousy, and Anger Control: Interacting Variables in Predicting Partner Aggression. *Journal of Family Violence*.

- Fan, R., Xu, F., Previti, M.L., Davis, J., **Grande, A.M.**, Robinson J.K., and Van Nostrand, W.E. (2007) Minocycline Reduces Microglial Activation and Improves Behavioral Deficits in a Transgenic Model of Cerebral Microvascular Amyloid. *The Journal of Neuroscience* 27:3057-3063.
- Xu, F., **Grande, A.M.**, Robinson, J.K., Previti, M.L., Davis, J., and Van Nostrand, W.E. (2007) Early-Onset Subicular Microvascular Amyloid and Neuroinflammation Correlate With Behavioral Deficits in Vasculotropic Mutant Amyloid Beta-Protein Precursor Transgenic Mice. *Neuroscience* 146(1):98-107.
- Canli, T., Qiu, M., Omura, K., Congdon, Eliza, **Haas, B.**, Amin, Z., Hermann, M.J., Constable, R. T., and Lesch, K.P. (2006) Neural correlates of epigenesis. *Proceedings of the National Academy of Sciences of the United States of America* 103(43):16033-16038.
- Hunt, Ashley N.**, and Heyman, R. E. (in press) *Survivor: The Most Well-Known Series of Analogue Behavioral Observation Studies Ever Conducted*. Dallas, TX: BenBella Books.
- Heyman, R. E., and **Hunt, Ashley N.** (2007) Replication in observational couples research: A commentary. *Journal of Marriage and Family* 69:81-85.
- Jose, A.**, and Goldfried, M.R. (in press) A Trans-theoretical Guide to Case Formulation. *Cognitive and Behavioral Practice*.
- Levy, S.R., **Karafantis, D.M.**, and Ramirez, L. (in press) A social-developmental perspective on lay theories and intergroup relations. In S.R. Levy and M. Killen (Eds.), *Intergroup Relations: An Integrative Developmental and Social Psychological Perspective*. Oxford University Press.
- Levy, S.R., West, T., Ramirez, L., and **Karafantis, D.M.** (2006) The Protestant work ethic: A lay theory with dual intergroup implications. *Group Processes and Intergroup Relations* 9:95-115.
- Fischel, J., Storch Bracken, S., Fuchs-Eisenberg, A, Spira, E., **Katz, S.**, and Shaller, G. (in press) Evaluation of Curricular Approaches to Enhance Preschool Early Literacy Skills. *Journal of Literacy Research*.
- Knickerbocker, L.**, Heyman, R.E., Slep, A.M.S., Jouriles, E.N., and McDonald, R. (2007) Co-occurrence of child and partner maltreatment definitions: Prevalence, theory, and implications for assessment. *European Psychologist* 12(1):36-44.
- Carr, E.G., **Ladd, Mara**, and Schulte, C. (in press) The validation of The Contextual Assessment Inventory for Problem Behavior. *Journal of Positive Behavior Interventions*.
- Laptook, R.S.**, and Klein, D.N. (2006) Dysthymic disorder. In J.E. Fisher and W.T. O'Donohue (Eds.), *Practitioner's Guide to Evidence-based Psychotherapy* (pp. 266-276). New York: Springer.
- Laptook, R.S.**, Klein, D.N., and Dougherty, L.R. (2006) Ten-year stability of depressive personality disorder in depressed outpatients. *American Journal of Psychiatry* 163:865-871.
- Dougherty, L.R., Klein, D.N., Olino, T.M., and **Laptook, R.S.** (in press) Depression in children and adolescents. In J. Hunsley and E. Mash (Eds.), *A Guide to Assessments That Work*. New York: Oxford University Press.
- Klein, D.N., Dougherty, L.R., **Laptook, R.S.**, and Olino, T.M. (in press) Temperament and risk for mood disorders in adolescents. In N. Allen and L. Sheeber (Eds.), *Adolescent Emotional Development and the Emergence of Depressive Disorders*. Cambridge, England: Cambridge University Press.
- McFarland, B.R.**, and Klein, D.N. (2007) Ten-year naturalistic course of dysthymic disorder and double depression: Major findings and implications for clinical practice. *Directions in Clinical and Counseling Psychology* 17:17-28.
- Michaelides, M.**, Wang, G., Thanos P.K., and Volkow N.D. (2006) Age and Diet-Related Changes of Striatal Dopamine D2 Receptor (D2R) Binding in Obese (Ob) (fa/fa) and Lean (Le) Zucker Rats Revealed by Positron Emission Tomography ( $\mu$ PET) and Autoradiography (ARG). *Obesity (Supplement)* 14(9):A130.
- Michaelides, M.**, Gispert, J., Pascau, J., Soto-Montenegro, M., Desco, M., Wang, G., Thanos, P.K., and

- Volkow, N.D. (2006) MicroPET ( $\mu$ PET) Imaging in a Rat Model of Obesity and Food Restriction: Effects of food stimulation on regional brain metabolic activity. *Obesity (Supplement) 14(9)*:A131.
- Michaelides, M.**, Zong, H., Kurland, I., Pessin, J., Wang, G., Thanos, P.K., and Volkow, N.D. (2006) Peripheral Hormone Concentrations and Food Intake Regulation in Obese (fa/fa) (Ob) and Lean (Le) Zucker Rats under Different Feeding Regiments. *Obesity (Supplement) 14(9)*:A131.
- Thanos, P.K., **Michaelides, M.**, Piyis, Y.K., Wang, G., and Volkow, N.D. (in press) Food Restriction Markedly Increases Dopamine D2 Receptor (D2R) in Striatum in a Rat Model of Obesity. *Synapse*.
- Thanos, P.K., **Michaelides, M.**, Benveniste, H., Wang, G., and Volkow, N.D. (in press) Effects of Chronic Oral Methylphenidate Exposure on Cocaine Self-Administration and Striatal Dopamine D2 Receptors in Rodents. *Pharmacology Biochemistry and Behavior*.
- Rice, O., Saintvictor, S., **Michaelides, M.**, Thanos, P.K., and Gatley, S.J. (2006) MicroPET Investigation of Chronic Long-Term Neurotoxicity from Heavy Ion Irradiation. *The AAPS Journal 8 (3)*:E508-E514.
- Neider, M.**, and Zelinsky, G. (2006) Scene context guides eye movements during search. *Vision Research 46*:614-621.
- Neider, M.**, and Zelinsky, G. (2006) Searching for camouflaged targets: Effects of target-background similarity on visual search. *Vision Research 46*:2217-2235.
- Leung, H, **Oh, Hwamee**, Ferry, J., and Yi, Y. (2007) Load response functions in the human spatial working memory circuit during location memory updating. *Neuroimage 35(1)*: 368-377.
- Olino, T.M.**, Lewinsohn, P.M., and Klein, D.N. (2006) Sibling similarity for MDD: Evidence for shared familial factors. *Journal of Affective Disorders 94*:211-218.
- Dougherty, L.R., Klein, D.N., **Olino, T.M.**, and Laptook, R.S. ( in press) Depression in children and adolescents. In J. Hunsley and E. Mash (Eds.), *A Guide to Assessments That Work*. New York: Oxford University Press.
- Durbin, C.E., Hayden, E.P., Klein, D.N., and **Olino, T.M.** (in press) Stability of laboratory assessed temperament traits from ages 3 to 7. *Emotion*.
- Hayden, E.P., Dougherty, L.R., Maloney, B., Durbin, C.E., **Olino, T.M.**, Nurnberger Jr., J.I., Lahiri, D.K., and Klein, D.N. (2007) Temperamental fearfulness in childhood and the serotonin transporter promoter region polymorphism: A multimethod association study. *Psychiatric Genetics 17(3)*:135-142.
- Klein, D.N., Dougherty, L.R., Laptook, R.S., and **Olino, T.M.** (in press) Temperament and risk for mood disorders in adolescents. In N. Allen and L. Sheeber (Eds.), *Adolescent Emotional Development and the Emergence of Depressive Disorders*. Cambridge, England: Cambridge University Press.
- Torpey, D.C., **Olino, T.M.**, and Klein, D.N. (in press) Retrospective reports of parenting in depressed adults with and without comorbid panic disorder and social anxiety disorder. *Journal of Nervous and Mental Disease*.
- Pachankis, John**, and Goldfried, M.R. (2007) On the next generation of process research. *Clinical Psychology Review 27(6)*:760-8.
- Pachankis, John**, and Goldfried, M. (2007) Homosexuality: Toward affirmative therapy. In J.C. Muran (Ed.), *Dialogues on difference: Diversity studies of the therapeutic relationship*. Washington, DC: American Psychological Association.
- Pachankis, John**, and Goldfried, M. (2007) An integrative, principle-based approach to psychotherapy. In S. Hofmann, and J. Weinberger (Eds.), *The Art and Science of Psychotherapy*. New York: Routledge.

- Provenzano, D.M.**, and Heyman, R.E. (in press) Couples approaches to treating intimate partner violence. In J. Keeling and T. Mason (Eds.), *Domestic Violence: Recognition, Reaction, Involvement and Outcome*. Berkshire, England: Open University Press/McGraw Hill.
- Heyman, R. E., and **Provenzano, D.M.** (2007) Harry Potter and the resilience to Adversity. In Neil Mulholland (Ed.), *The Psychology of Harry Potter: An Unauthorized Examination of the Boy Who Lived*. Dallas, TX: Benbella Books.
- Levy, S.R., Karafantis, D., and **Ramirez, L.** (in press) A social-developmental perspective on lay theories and intergroup relations. In S.R. Levy and M. Killen (Eds.), *Intergroup Relations: An Integrative Developmental and Social Psychological Perspective*. Oxford University Press.
- Levy, S.R., West, T., **Ramirez, L.**, and Karafantis, D.M. (2006) The Protestant work ethic: A lay theory with dual intergroup implications. *Group Processes and Intergroup Relations* 9:95-115.
- Davila, J., and **Ramsay, M.** (in press) Changes in working models of the self in relationships: A clinical perspective. In J. Wood, A. Tesser, and J. Holmes (Eds.), *Self and Relationships*.
- Davila, J., Steinberg, S.J., Stroud, C. B., and **Ramsay, M.** (in press) Defining and Understanding Adolescent Romantic Competence: Progress, Challenges, and Implications. Invited article to appear in the *Journal of Clinical Child and Adolescent Psychology*.
- Fischel, J., Storch Bracken, S., Fuchs-Eisenberg, A, Spira, E., Katz, S., and **Shaller, G.** (in press) Evaluation of Curricular Approaches to Enhance Preschool Early Literacy Skills. *Journal of Literacy Research*.
- Shankman, S.A.**, Klein, D.N., Tenke, C.E., and Bruder, G.E. (2007) Reward sensitivity in depression: A biobehavioral study. *Journal of Abnormal Psychology* 116:95-104.
- Klein, D.N., **Shankman, S.A.**, and Rose, S. (2007) Dysthymic disorder and double depression: Prediction of 10-year course trajectories and outcomes. *Journal of Psychiatric Research*: doi:10.1016/j.jpsychires.2007.01.009.
- Klein, D.N., **Shankman, S.A.**, and Rose, S. (2006) Ten-year prospective follow-up study of the naturalistic course of dysthymic disorder and double depression. *American Journal of Psychiatry* 163:872-880.
- Friedberg, F., and **Sohl, S.J.** (in press) Memory for fatigue in chronic fatigue syndrome: the relation between weekly recall and momentary ratings. *International Journal of Behavioral Medicine*.
- Friedberg, F., **Sohl, S.J.**, and Schmeizer, B. (in press) Publication trends in chronic fatigue syndrome: Comparisons with fibromyalgia and fatigue: 1995-2004. *Journal of Psychosomatic Research* 63(2):143-6.
- Fischel, J., Storch Bracken, S., Fuchs-Eisenberg, A, **Spira, E.**, Katz, S., and Shaller, G. (in press) Evaluation of Curricular Approaches to Enhance Preschool Early Literacy Skills. *Journal of Literacy Research*.
- Davila, J., **Steinberg, S.J.**, Stroud, C. B., and Ramsay, M. (in press) Defining and Understanding Adolescent Romantic Competence: Progress, Challenges, and Implications. Invited article to appear in the *Journal of Clinical Child and Adolescent Psychology*.
- Fischel, J., **Storch Bracken, S.**, Fuchs-Eisenberg, A, Spira, E., Katz, S., and Shaller, G. (in press) Evaluation of Curricular Approaches to Enhance Preschool Early Literacy Skills. *Journal of Literacy Research*.
- Davila, J., Steinberg, S.J., **Stroud, C.B.**, and Ramsay, M. (in press) Defining and Understanding Adolescent Romantic Competence: Progress, Challenges, and Implications. Invited article to appear in the *Journal of Clinical Child and Adolescent Psychology*.
- Torpey, D.C.**, Olino, T.M., and Klein, D.N. (in press) Retrospective reports of parenting in depressed adults with and without comorbid panic disorder and social anxiety disorder. *Journal of Nervous and Mental Disease*.

- Klein, D.N., **Torpey, D.C.**, Bufferd, S.J., and Dyson, M.W. (in press) Depressive disorders. *Child and Adolescent Psychopathology*. T.P. Beauchaine and S.P. Hinshaw adversity. In N. Mulholland (Ed.), *The Psychology of Harry Potter: An Unauthorized Examination of the Boy Who Lived*. Dallas, TX: BenBella Books.
- Zhang, W., **Yang, H.**, Samaras, D., and Zelinsky, G. (2006) A computational model of eye movements during object class detection. In Y. Weiss, B. Scholkopf, and J. Platt (Eds.), *Advances in Neural Information Processing Systems 18*. Cambridge, MA: MIT Press.
- Leung, H, Oh, Hwamee, Ferry, J., and **Yi, Y.** (2007) Load response functions in the human spatial working memory circuit during location memory updating. *Neuroimage* 35(1):368-377.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Xu, X., **Acevedo, B.**, and Aron, A. (2007) Emotional experiences among Chinese students: Is love more than a feeling? *Society for Personality and Social Psychology Conference*. Memphis, TN.
- Xu, X., **Acevedo, B.**, and Aron, A. (2006) Love—more than just a feeling: An examination of emotional experiences using a Chinese sample. *International Association of Relationship Research Conference*. Rethymno, Crete.
- Apetroaia, A.**, Gomes, V., and Waters, H.S. (2007) Co-construction of affect regulating cognitions: The role of maternal script knowledge. The attachment prototype hypothesis: Secure base script representations in diverse kinds of relationships. *Biennial meeting of the Society for Research in Child Development*. Boston, MA.
- Apetroaia, A.**, Gomes, V., and Waters, H.S. (2007) Co-construction of affect regulating cognitions: The role of maternal script knowledge. The attachment prototype hypothesis: Secure base script representations in diverse kinds of relationships. *Society for Research in Child Development Biennial Meeting Poster Symposium*. Boston, MA.
- Tverskoy, A., Londahl-Shaller, E.A., D’Zurilla T.J., and **Apetroaia, A.** (2006) Concordance on Adjustment, Attachment and Social Problem Solving In Teen Girl Best Friends, and Its Relation to Friendship Quality. *Society for Research on Adolescence Biennial Meeting*. San Francisco, CA.
- Foster, A., **Blumen, H.M.**, and Rajaram, S. (2006) Towards Localizing the Nature of Conceptual Deficits in Medial Temporal Lobe Amnesia: An Empirical Model of the Free Association Task. *Annual Biomedical Research Conference for Minority Students, Poster Presentation*. Anaheim, CA.
- Blumen, H.M.**, Rajaram, S., and Srinivas, K. (2006) Testing the Longevity of Rapidly Formed New Conceptual Associations. *77<sup>th</sup> Annual Meeting of the Eastern Psychological Association*. Baltimore, MD.
- Dykas, M.J., Woodhouse, S., Cassidy, J., Ramos-Marcuse, F., Butler, H., and **Brockmeyer, S.L.** (2007) Links between secure base scripts and attachment in a moderately at-risk sample. *Society for Research in Child Development Biennial Meeting Poster Symposium*. Boston, MA.
- Cannella, Dolores** Lobel, M., and Monheit, A. G. (2007) Knowledge and Perceptions of Physical Activity in Pregnant Women. *Association for Psychological Science*. Washington, DC.
- Chen, X.**, and Zelinsky, G. (2006) Is visual search top-down or bottom-up? *Abstracts of the 6th Annual Meeting of the Vision Sciences Society* (p. 116). Sarasota, FL.
- Chiaromonte, Gabrielle R.** (2006) Invited Speaker. Topic of talk: Effect of Psychosocial Factors in the Diagnosis and Treatment of Women with CHD. *18<sup>th</sup> Annual Scientific Symposium of Transcatheter Cardiovascular Therapeutics (TCT)*. Washington, DC.
- Waters, H.S., Cuva, S., **Corcoran, D.**, and Bottino, E. (2007) Maternal script knowledge and judgments of mother-child interactions. *Society for Research in Child Development Biennial Meeting Poster Symposium*. Boston, MA.

## Psychology

- O'Leary, K. D., and **Cohen, S.** (2007) Dyadic Treatment Approaches to Depression. *Grand Rounds Presentation*. Stony Brook University School of Medicine, Stony Brook, NY.
- Foran, Heather, O'Leary, K.D., **Cohen, S.**, and Williams, M. (2006) Emotional Abilities in Couples: A Construct Validation Study. *Annual Association for Advancement of Behavior and Cognitive Therapy Convention*. New Orleans, LA.
- Congdon, Eliza**, Sisante, J.-F., Lesch, K.-P., and Canli, T. (2007) Analysis of DRD4 and DAT polymorphisms and behavioral inhibition in healthy adults: Implications for impulsivity. *2007 Annual Cognitive Neuroscience Meeting*. New York, NY.
- Davies, Kristin.** (2006) Extended contact and direct contact in "real-world" cross-group settings. *Society for the Psychological Study of Social Issues, Paper Presentation*. Long Beach, CA.
- Davies, Kristin.** (2007) The Stony Brook Intergroup Fast Friends Project: Some Initial Results. *Society for Personality and Social Psychology, Poster Presentation*. Memphis, TN.
- Torpey, D.C., Anjam, S., **Dougherty, L.R.**, Dyson, M.W., Olino, T.M., Shankman, S.A., Bruder, G.E., Tenke, C.E., and Klein, D.N. (2007) Differences between preschool aged children who complete and refuse to complete EEG assessments. *Society for Research in Child Development Biennial Meeting Poster Symposium*. Boston, MA.
- Floyd, A.H.L.**, and Westmaas, J.L. (2007) Depressed Smokers' Risk Perceptions and Health Beliefs: Implications for Intervention. *Society of Behavioral Medicine Annual Meeting*. Washington, DC.
- Foran, Heather**, O'Leary, K.D., Cohen, S., and Williams, M. (2006) Emotional Abilities in Couples: A Construct Validation Study. *Annual Association for Advancement of Behavior and Cognitive Therapy Convention*. New Orleans, LA.
- Galati, Alexia**, and Brennan, Susan E. (2007) Given-new attenuation effects in gesture production. *3<sup>rd</sup> Conference of the International Society of Gesture Studies*. Evanston, IL.
- Galati, Alexia**, and Brennan, Susan E. (2006) Given-new attenuation effects in spoken discourse: For the speaker, or for the addressee? *47<sup>th</sup> Annual Meeting of the Psychonomic Society*. Houston, TX.
- Galati, Alexia** (2006) The role of gesture in spoken dialog systems. *2<sup>nd</sup> Annual Young Researchers' Roundtable on Spoken Dialog Systems*. Pittsburgh, PA.
- Glenn, C.R.** and Klonsky, E.D. (2007) The Functions of Non-Suicidal Self-Injury: Measurement and Structure. *Association for Psychological Science 19<sup>th</sup> Annual Convention*, Poster Presentation. Hilton Washington, Washington, DC.
- Gregg, Melissa K.**, and Samuel, Arthur G. (2006) Change deafness and How the Auditory System Organizes Sounds. *Fourth Joint Meeting of the Acoustical Society of America and the Acoustical Society of Japan*. Honolulu, HI.
- Hamilton, J.G.**, and Lobel, M. (2007) I get by with a little help from my friends: Social relationships and coping in pregnancy. *Annual Meeting of the Society for Personality and Social Psychology*. Memphis, TN.
- Hamilton, J.G.**, and Lobel, M. (2007) Predictors and consequences of coping in pregnancy. *Annual Meeting of the Society of Behavioral Medicine*. Washington, DC.
- Kuhlen, Anna**, and Brennan, S. (2007) Anticipating Distracted Addressees- How Speakers' Expectations and Addressees' Feedback Influence Storytelling. *JAM II, Poster Presentation*. Rutgers University, New Brunswick, NJ.
- Ladd, Mara**, and Carr, E.G. (2007) Mitigate and cope: A context-based approach to intervention for problem behavior in home and community settings. *Fourth International Conference on Positive Behavior Support*. Boston, MA.
- Tverskoy, A., **Londahl-Shaller, E.A.**, D'Zurilla T.J., and Apetroaia A. (2006) Concordance on Adjustment, Attachment and Social Problem Solving In Teen Girl Best Friends, and Its Relation



- to Friendship Quality. *Society for Research on Adolescence Biennial Meeting*. San Francisco, CA.
- Robison, E.J., Shankman, S.A., Klein, D.N., **McFarland, B.R.** (2006) Independent effects of age of onset and chronicity of depression on self reports of personality traits. *Annual Meeting of the Association for Behavioral and Cognitive Therapy*. Chicago, IL; and the *Society for Research on Psychopathology*. San Diego, CA.
- Michaelides, M.**, Piyis, Y.K., Patel, U., Robison, L., Olvet, D.M., Ramalhete, R.C., Habibi, R., Wang, G., Volkow, N.D., and Thanos, P.K. (2006) Age- and diet-related changes of striatal dopamine D<sub>2</sub> receptor (D2R) binding in obese (Ob) (fa/fa) and lean (Le) Zucker rats revealed by positron emission tomography (PET) and autoradiography (ARG): part II (4-13 months). *Society for Neuroscience Annual Meeting*. Atlanta, GA.
- Olvet, D.M., **Michaelides, M.**, Patel, U., Diep, M.N., Cavigelli, S.A., Volkow, N.D., and Thanos, P.K. (2006) A noninvasive method for detecting the metabolic stress response in rodents: characterization and disruption of the circadian corticosterone rhythm. *Society for Neuroscience Annual Meeting*. Atlanta, GA.
- Ramalhete, R.C., **Michaelides, M.**, Piyis, Y.K., Wang, G., Volkow, N.D., and Thanos, P.K. (2006) Age and diet-related changes of cannabinoid 1 receptor (CB1R) binding in obese (fa/fa) and lean Zucker rats. *Society for Neuroscience Annual Meeting*. Atlanta, GA.
- Boronikolas, V., **Michaelides, M.**, Wang, G., Blackband, S., Grant, S.C., Metaxas, D.N., Zhou, J., Volkow, N.D., and Thanos, P.K. (2006) Brain region morphological and volumetric quantitative assessment using the 17.6T MRI in rats chronically exposed to methylphenidate (MP). *Society for Neuroscience Annual Meeting*. Atlanta, GA.
- Thanos, P.K., **Michaelides, M.**, Piyis, Y.K., Reiszal, C., Soria, G., Wang, G., and Volkow, N.D. (2006) Dopamine D2R assessment during cocaine self-administration maintenance, extinction, and abstinence. *Society for Neuroscience Annual Meeting*. Atlanta, GA.
- Thanos, P.K., Lade, A.G., **Michaelides, M.**, and Volkow, N.D. (2006) Effects of the cannabinoid CB1 antagonist SR141716 on ethanol intake and food consumption in lean and obese Zucker rats. *Research Society on Alcoholism Annual Meeting*. San Diego, CA.
- Neider, M.**, and Zelinsky, G. (2006) Exploring set size effects in realistic scenes. *Abstracts of the 6th Annual Meeting of the Vision Sciences Society (p. 116)*. Sarasota, FL.
- Oh, Hwamee**, and Leung, H. (2006) Frontostriatal circuit in selecting visual representations in working memory. *Annual meeting of the Society for Neuroscience, Poster Presentation*. Atlanta, GA.
- Olino, T.M.**, Klein, D., Lewinoshn, P., Rohde, P., and Seeley, J. (2006) Growth trajectories of depressive and anxiety disorders: Influence of family history and parenting. *Society for Research on Psychopathology*. San Diego, CA.
- Torpey, D.C., Anjam, S., Dougherty, L.R., Dyson, M.W., **Olino, T.M.**, Shankman, S.A., Bruder, G.E., Tenke, C.E., and Klein, D.N. (2007) Differences between preschool aged children who complete and refuse to complete EEG assessments. *Society for Research in Child Development Biennial Meeting Poster Symposium*. Boston, MA.
- Olvet, D.M.**, Michaelides, M., Patel, U., Diep, M.N., Cavigelli, S.A., Volkow, N.D., and Thanos, P.K. (2006) A noninvasive method for detecting the metabolic stress response in rodents: characterization and disruption of the circadian corticosterone rhythm. *Society for Neuroscience Annual Meeting*. Atlanta, GA.
- Michaelides, M., Piyis, Y.K., Patel, U., Robison, L., **Olvet, D.M.**, Ramalhete, R.C., Habibi, R., Wang, G., Volkow, N.D., and Thanos, P.K. (2006) Age- and diet-related changes of striatal dopamine D<sub>2</sub> receptor (D2R) binding in obese (Ob) (fa/fa) and lean (Le) Zucker rats revealed by positron emission tomography (PET) and autoradiography (ARG): part II (4-13 months). *Society for Neuroscience Annual Meeting*. Atlanta, GA.

- Owen, D.J.**, Slep, A.M.S, and Heyman, R.E. (2007) The Effect of Praise, Positive Response, Reprimand and Negative Response on Child Compliance: A Systematic Review. *Society for Research in Child Development*. Boston, MA.
- Rajaram, S., and **Pereira-Pasarin, Luciane**. (2006) Collaboration and individual memory: Evidence from immediate and delayed recognition. *47<sup>th</sup> Annual Meeting of the Psychonomic Society*. Houston, TX.
- Ramsay, M.**, and Davila, J. (2006) Self- and partner-clarity predicts couples' support processes. *18<sup>th</sup> Annual Conference for the Association for Psychological Science*. New York, NY.
- Davila, J., Steinberg, S.J., **Ramsay, M.**, Stroud, C. B., Starr, L.R., and Yoneda, A. (2006) Defining and measuring romantic competence in early adolescence: The Romantic Competence Interview. *Biennial meeting of the Society for Research on Adolescence, Poster Presentation*. San Francisco, CA.
- Riela, S.**, Tartakovsky, I., and Aron, A. (2007) Examining definitions of falling in love. *Annual meeting of the Association for Psychological Science, Poster Presentation*. Washington, DC.
- Rodden, J.M.**, Aron, E.N., and Aron, A. (2006) The development of a measure of the power complex. *Annual meeting of the Association for Psychological Science*. New York, NY. (poster presentation)
- Rodden, J.M.**, and Aron, A. (2007) Life after the breakup: Predictors of post-dissolution happiness in a longitudinal sample. *Annual meeting of the Society for Personality and Social Psychology, Poster Presentation*. Memphis, TN.
- Schmidt, J.**, and Zelinsky, G. (2006) How is gaze affected by cognitive load and visual complexity? *6<sup>th</sup> Annual Meeting of the Vision Sciences Society*. Sarasota, FL. (Abstract)
- Robison, E.J., **Shankman, S.A.**, Klein, D.N., McFarland, B.R. (2006) Independent effects of age of onset and chronicity of depression on self reports of personality traits. *Annual Meeting of the Association for Behavioral and Cognitive Therapy*. Chicago, IL; and the *Society for Research on Psychopathology*. San Diego, CA.
- Torpey, D.C., Anjam, S., Dougherty, L.R., Dyson, M.W., Olino, T.M., **Shankman, S.A.**, Bruder, G.E., Tenke, C.E., and Klein, D.N. (2007) Differences between preschool aged children who complete and refuse to complete EEG assessments. *Society for Research in Child Development Biennial Meeting Poster Symposium*. Boston, MA.
- Zevallos, Ana, **Shephard, G.**, and Waters, E. (2007) Attachment scripts and undergraduate mentoring relationships. The attachment prototype hypothesis: Secure base script representations in diverse kinds of relationships. *Society for Research in Child Development Biennial Meeting Poster Symposium*. Boston, MA.
- Sohl, S.J.**, and Friedberg, F. (2007) Memory for fatigue in chronic fatigue syndrome: Relationships to symptom variability, catastrophizing and negative affect. *Annual Scientific Sessions of the Society for Behavioral Medicine*. Washington, DC.
- Sohl, S.J.**, and Friedberg, F. (2006) Recall of fatigue and pain in chronic fatigue syndrome. *Association for Psychological Science Annual Convention*. New York, NY.
- Davila, J., Waters, H.S., Stroud, C., Starr, L.R., and **Steinberg, S.J.** (2007) Adolescent secure-base script knowledge, parent-adolescent functioning and security in peer and romantic relationships. *Society for Research in Child Development Biennial Meeting Poster Symposium*. Boston, MA.
- Davila, J., Waters, H.S., Miller, M., Yoneda, A., **Steinberg, S.J.** (2007) Romantic secure base script knowledge: Representations and relations to couple status. The attachment prototype hypothesis: Secure base script representations in diverse kinds of relationships. *Society for Research in Child Development Biennial Meeting Poster Symposium*. Boston, MA.
- Davila, J., **Steinberg, S.J.**, Ramsay, M., Stroud, C. B., Starr, L.R., and Yoneda, A. (2006) Defining and measuring romantic competence in early adolescence: The Romantic Competence Interview.

- Biennial meeting of the Society for Research on Adolescence, Poster Presentation.* San Francisco, CA.
- Starr, L.R.**, and Davila, J. (2006) Differentiating interpersonal correlates of depressive symptoms and social anxiety in adolescent girls. In G. Beck (Chair), *Understanding the Interplay between Anxiety and Depression: The Interpersonal Connection. Symposium conducted at the Annual Meeting of the Association of Behavioral and Cognitive Therapies.* Chicago, IL.
- Starr, L.R.**, and Davila, J. (2007) Co-rumination among adolescent girls: Who does it and what effect does it have? *Society for Research in Child Development Biennial Meeting Poster Symposium.* Boston, MA.
- Davila, J., Waters, H.S., Stroud, C., **Starr, L.R.**, and Steinberg, S. (2007) Adolescent secure-base script knowledge, parent-adolescent functioning and security in peer and romantic relationships. *Society for Research in Child Development Biennial Meeting Poster Symposium.* Boston, MA.
- Davila, J., Steinberg, S.J., Ramsay, M., Stroud, C. B., **Starr, L.R.**, and Yoneda, A. (2006) Defining and measuring romantic competence in early adolescence: The Romantic Competence Interview. *Biennial meeting of the Society for Research on Adolescence, Poster Presentation.* San Francisco, CA.
- Davila, J., Waters, H.S., **Stroud, C.B.**, Starr, L.R., and Steinberg, S. (2007) Adolescent secure-base script knowledge, parent-adolescent functioning and security in peer and romantic relationships. *Society for Research in Child Development Biennial Meeting Poster Symposium.* Boston, MA.
- Davila, J., Steinberg, S.J., Ramsay, M., **Stroud, C.B.**, Starr, L.R., and Yoneda, A. (2006) Defining and measuring romantic competence in early adolescence: The Romantic Competence Interview. *Biennial meeting of the Society for Research on Adolescence, Poster Presentation.* San Francisco, CA.
- Torpey, D.C.**, Anjam, S., Dougherty, L.R., Dyson, M.W., Olino, T.M., Shankman, S.A., Bruder, G.E., Tenke, C.E., and Klein, D.N. (2007) Differences between preschool aged children who complete and refuse to complete EEG assessments. *Society for Research in Child Development Biennial Meeting Poster Symposium.* Boston, MA.
- Tverskoy, A.**, Londahl-Shaller, E.A., D’Zurilla T.J., and Apetroaia A. (2006) Concordance on Adjustment, Attachment and Social Problem Solving In Teen Girl Best Friends, and Its Relation to Friendship Quality. *Society for Research on Adolescence Biennial Meeting.* San Francisco, CA.
- Foran, Heather, O’Leary, K.D., Cohen, S., and **Williams, M.** (2006) Emotional Abilities in Couples: A Construct Validation Study. *Annual Association for Advancement of Behavior and Cognitive Therapy Convention.* New Orleans, LA.
- Xu, Xiaomeng**, Acevedo, B., and Aron, A. (2007) Emotional experiences among Chinese students: Is love more than a feeling? *Society for Personality and Social Psychology Conference.* Memphis, TN.
- Xu, Xiaomeng**, Acevedo, B., and Aron, A. (2006) Love—more than just a feeling: An examination of emotional experiences using a Chinese sample. *International Association of Relationship Research Conference.* Rethymno, Crete.
- Yang, H.**, and Zelinsky, G. (2006) Evidence for guidance in categorical visual search. *Journal of Vision* 6(6): Abstract #449.
- Yi, Y.**, A. L. Freitas, H.-C. Leung (2006) Frontostriatal Circuit in Rapid Action Control: anfMRI Study of Past Response Selection and Present Go/NoGo Response Compatibility. *Society for Neuroscience.* Atlanta, GA.
- Davila, J., Waters, H.S., Miller, M., **Yoneda, A.**, Steinberg, S.J. (2007) Romantic secure base script knowledge: Representations and relations to couple status. The attachment prototype hypothesis: Secure base script representations in diverse kinds of relationships. *Society for Research in Child Development Biennial Meeting Poster Symposium.* Boston, MA.

## Psychology

Davila, J., Steinberg, S.J., Ramsay, M., Stroud, C. B., Starr, L.R., and **Yoneda, A.** (2006) Defining and measuring romantic competence in early adolescence: The Romantic Competence Interview. *Biennial meeting of the Society for Research on Adolescence, Poster Presentation*. San Francisco, CA.

**Zevallos, Ana**, Shephard, G., and Waters, E. (2007) Attachment scripts and undergraduate mentoring relationships. The attachment prototype hypothesis: Secure base script representations in diverse kinds of relationships. *Society for Research in Child Development Biennial Meeting Poster Symposium*. Boston, MA.

### ❖ Post-Doctorates Obtained and Professional Appointments

**Cohen, S.** (2007-2008) Postdoctoral Psychology Fellow. Couples and Family Program, *Cambridge Hospital/Cambridge Health Alliance, Harvard Medical School*, Cambridge, MA.

**Chiaromonte, Gabrielle R.** (2007) Postdoctoral Fellow. *Weill Cornell Medical College –New York-Presbyterian Hospital*, Anxiety and Traumatic Stress Studies Program, New York, NY.

### ❖ Internship Appointments

**Cohen, S.** (2006-2007) APA-Accredited Predoctoral Psychology Intern, Adult Track. *North Shore University Hospital*, New York University School of Medicine, Manhasset, NY.

**Chiaromonte, Gabrielle R.** (2006-2007) Psychology Intern. Weill Cornell Medical College – Payne Whitney Clinic of New York-Presbyterian Hospital, New York, NY.

**Ladd, Mara.** (2006-2007) Predoctoral intern. *The May Institute, Inc.*, Randolph, MA.

**Pachankis, John.** (2007-08) Psychology Intern. *McLean Hospital*, Belmont, MA; Psychiatry Fellow, *Harvard Medical School*, Boston, MA.

### ❖ Other

**Kuhlen, Anna, Galati, Alexia.** (2006- 2007) Gesture Focus Group Speakers' Series Organizer, *Stony Brook University*, Stony Brook, NY.

# SOCIAL WELFARE

GRADUATE DIRECTOR: JOEL BLAU

## ❖ Grants, Fellowships, and Awards

**Bonanno, Rebecca.** (2006) Dissertation Grant, \$5,000. *Fahs-Beck Fund for Research and Experimentation*, New York, NY.

## ❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

**Carballeira, Catherine.** (2007) Working with a Vulnerable Population: The Healthy Community Needs Assessment of the Poospatuck Indians at Mastic, New York. *American Dilemmas: A Conference on Diversity*. SUNY Albany School of Social Welfare, Albany, NY.

**Carballeira, Catherine.** (2007) Conference Chair, and Corresponding Secretary, National Association of Puerto Rican and Hispanic Social Workers. *The Diversity and Strengths of the Latino Family: Immigration and Social Justice*. Stony Brook, NY.

**Carballeira, Catherine.** (2007) Community Practice with Native Americans: Cultural Competency at Work. *Saint Joseph College, School of Social Work*. West Hartford, CT.

## ❖ Other

**Carballeira, Catherine.** (2007) Mock Legislator. *Legislative Education and Advocacy Day: The Power of Social Work and Social Justice in Action*. Stony Brook, NY.

# SOCIOLOGY

GRADUATE DIRECTOR: TIMOTHY MORAN  
DEPARTMENT CHAIR: DIANE BARTHEL-BOUCHIER

## ❖ Grants, Fellowships, and Awards

- Esparza, Louis Edgar.** (2006) W. Burghardt Turner Fellowship, \$10,000. *Stony Brook University*, Stony Brook, NY.
- Lim, Alwyn.** (2007) The Hanan Selvin Award for the best quantitative and/or methodological paper, \$100. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Muñoz, José.** (2006) W. Burghardt Turner Dissertation Support Award, \$3,000. *Stony Brook University*, Stony Brook, NY.
- Muñoz, José.** (2006) Lee Student Support Travel Award, \$275. *Society for the Study of Social Problems*, Knoxville, TN.
- Sher, Anna.** (2007) The Mildred and Herbert Weisinger Dissertation Fellowship, \$6,000. *Stony Brook University*, Stony Brook, NY.
- Sher, Anna.** (2007) Professional Development Grant, \$300. *University of California -Santa Cruz*, Santa Cruz, CA.
- Shin, Hwa-Ji.** (2007) Travel Grant and Stipend, \$1,000. *SIAS Summer Institute*, Wissenschaftskolleg zu Berlin, Berlin, Germany.
- Shor, Eran.** (2007) The Rose Laub Coser Award for the best theory/and or research paper in gender studies, \$100. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Shor, Eran.** (2006) Travel Grant, \$500. *The Association for Israel Studies*, Calgary, Alberta, Canada.
- Smith, Tyson.** (2006) The David Street Award for best qualitative and/or theory paper, \$100. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Traver, Amy.** (2007) Faculty-Staff Dissertation Fellowship Award, \$3,000. *Stony Brook University*, Stony Brook, NY.

## ❖ Singly Authored Publications/Research Reports/Reviews

- Buchholz, Larissa.** (in press) Risk Society. In K. Koenig and B. Franzen (Eds.), *Skulptur. Projekte. Münster 07* [Sculpture, Projects, Muenster]. Cologne, Germany: Verlag der Buchhandlung Walther König. (In English and German)
- Buchholz, Larissa.** (2006) Bringing the Body Back into Theory and Methodology. *Theory and Society* 35(4):481-490.
- Buchholz, Larissa.** (in press) Das Feld der Macht [The Field of Power]. In B. Rehbein and G. Froehlich (Eds.), *Bourdieu Handbuch* [Bourdieu Handbook]. Stuttgart, Germany: Metzler Verlag.
- Buchholz, Larissa.** (in press) Die Feinen Unterschiede [Distinction]. In B. Rehbein and G. Froehlich, (Eds.), *Bourdieu Handbuch* [Bourdieu Handbook]. Stuttgart, Germany: Metzler Verlag.
- Esparza, Louis Edgar.** (2007) *East Asian and Pacific Summer Institute Final Report No. 0413493*.

Arlington, VA: National Science Foundation.

- Kutz-Flamenbaum, Rachel V.** (2007) Pink Ladies and Raging Grannies: Feminist Performance Activism in the Contemporary Anti-War Movement. *National Women's Studies Association Journal* 19(1):89-105.
- Kutz-Flamenbaum, Rachel V.** (2006) Gendered Consequences of War. *Social Action Fact Sheet, Sociologists for Women in Society Newsletter XXIII(3)*:30-33.
- Lapegna, Pablo.** (in press) Transgénicos, “Desarrollo Sustentable” y (Neo)liberalismo en Argentina. *Actores Sociales y Redes Transnacionales en la Creación de un Sentido Común* [Transgenics, “Sustainable Development” and (Neo)liberalism in Argentina. *Social Actors and Transnational Networks in the Creation of a Common Sense*]. Buenos Aires, Argentina: CLACSO (Latin American Council of Social Sciences).
- Lindquist, Carol S.** (2006) Food without the Cooks: Review of *Everyone Eats: Understanding Food and Culture* by E. N. Anderson. *Contexts* 5(1):56-58.
- Muñoz, José.** (2006) International Opportunities and Domestic Protest: Zapatistas, Mexico, and The New World Economy. *Social Movement Studies* 5:251–274.
- Muñoz, José.** (2006) International Opportunities and Domestic Protest: Zapatistas, Mexico, and The New World Economy. In A. Ramos (Ed.), *Discurso, Signo y Símbolo de una Rebelión* [A Discussion of Signs and Symbols of a Rebellion]. Mexico City: Cultura, Trabajo y Democracia, A.C. Reprint of article published in *Social Movement Studies*
- Shor, Eran.** (in press) Quantification. In W.A. Darity (Ed.), *International Encyclopedia of the Social Sciences*. Farmington Hills, MI: Thomson/Gale.
- Shor, Eran.** (in press) Social Performance. In W.A. Darity (Ed.), *International Encyclopedia of the Social Sciences*. Farmington Hills, MI: Thomson/Gale.
- Shor, Eran.** (in press) Review of *The Men We Loved: Male Friendship and Nationalism in Israeli Culture* by Danny Kaplan. *Men and Masculinities*.
- Shor, Eran.** (in press) Review of *Cultures of Masculinity* by Tim Edwards. *Journal of Men Studies*. London and New York: Routledge.
- Smith, Tyson.** (in press) Advertising. In M. Flood, J.K. Gardiner, B. Pease, and K. Pringle (Eds.), *International Encyclopedia of Men and Masculinities, Vol. 1*. London: Routledge.
- Traver, Amy.** (2006) Review of *Transnational Adoption: A Cultural Economy of Race, Gender, and Kinship* by Sara K Dorow. *Gender & Society* 20(6):832-834.
- Traver, Amy.** (2006) Surrogacy and Adoption. In K. Stolley, and V. Bullough (Eds.), *The Praeger Handbook of Adoption*. Westport, CT: Praeger Publishing.
- Traver, Amy.** (2006) Institutions and Organizational Change: Reorganizing New York City's Public School System. *The Journal of Education Policy* 21(5):497-514.
- Traver, Amy.** (2006) Review of *The New Single Woman* by E. Kay Trimberger. *Contemporary Sociology* 35(4):378-279.

❖ **Jointly Authored Publications/Research Reports/Reviews**

- Joseph, Lauren, Mahler, Matthew J., and Auyero, J.,** Eds. (in press) *New Perspectives in Political Ethnography*. New York: Springer Publishers.
- Kutz-Flamenbaum, Rachel V.,** and Smith, J. (2007) Global Movement Provides New Opportunities for Anti-War Strategies. *PEWS News*:8.

- Bidaseca, K., and **Lapegna, Pablo**. (in press) El “Grito de Alcorta” Revisitado: Cultura y Sentimientos en la Acción Colectiva [The “Grito de Alcorta” Revisited: Culture and Feelings in Collective Action]. *Anuario de Historia [Annual Review of History]*. Rosario, Argentina: Universidad Nacional de Rosario.
- Joseph, Lauren, **Mahler, Matthew J.**, and Auyero, J., Eds. (in press) *New Perspectives in Political Ethnography*. New York: Springer Publishers.
- Rothman, B.K., and **Traver, Amy**. (2006) Genetics and Adoption: Language and Ideology. In K. Stolley and V. Bullough, (Eds.), *The Praeger Handbook of Adoption*. Westport, CT: Praeger Publishing.
- Shin, Hwa-Ji**, and Tsutsui, K. (in press) Constructing Social Movement Actorhood: Resident Koreans’ Activism since 1945. *International Journal of Comparative Sociology*.

❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**

- Baldermann, Diana**. (2007) Against the Paper-mills. Road Blockades and the Framing of an International Conflict between Argentina and Uruguay. *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Baldermann, Diana**. (2007) Roadblocks Against the Pulp-mills. The Social Construction of an Environmental Threat. *13th International Symposium on Society & Resource Management*. Utah State University, Park City, UT.
- Baldermann, Diana**. (2007) Narrating Experiences: The Fall of the Middle Classes in Argentina. *LASA 2007 XXVII International Congress: After the Washington Consensus: Collaborative Scholarship for a New America*. Montreal, Canada.
- Barron, Martin L**. (2006) A Social Movements Perspective on Speculative Bubbles. *101<sup>st</sup> Annual Meeting of the American Sociological Association*. Montreal, Quebec, Canada.
- Boussios, Emanuel G**. (2007) The Determinants of Opposition to War in the United States, 1950-2005. *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Braksmajer, Amy**, and Kalish, Rachel. (2007) Partners of the Transgendered: Negotiating Gender, Sexuality, and Intimacy. *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Bruzzese, Anna**. (2007) Starting Over, Moving On: The Reasons for Joining and Staying in Support Groups for Separated and Divorced Catholics. *78<sup>th</sup> Annual Meeting of the Pacific Sociological Association*. Oakland, CA.
- Buchholz, Larissa**. (2007) Daniel Bell’s Prognosis of the Post-industrial Society and the Rise of Innovation-Expertise in Western Europe. *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Buchholz, Larissa**. (2007) Feldtheorie und Globalisierung [Field Theory and Globalization]. *Department of Sociology*. University of Konstanz, Germany.
- Buchholz, Larissa**. (2006) Field Theory and the Globalization of Art: Rethinking ‘Interdependency.’ *Practicing Bourdieu, In the Field & Across the Disciplines, an International and Interdisciplinary Conference*. University of Michigan, Ann Arbor.
- Bullock, Zachary**. (2007) Searching for the “Post-National Identity.” *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Caplett, Aura**. (2007) Mining in the Upper Peninsula: A Struggle for Land, Water, and Identity. *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Da, Yun**. (2007) News Organization and the Shaping of News Content in Transitional China. *77<sup>th</sup> Annual*



*Meeting of the Eastern Sociological Society*. Philadelphia, PA.

- Esparza, Louis Edgar.** (2006) Is the Cultural Critique an Enemy to Movements?: A Review of Social Movement Theory. *Society for the Study of Social Problems*. Montreal, Canada.
- Kalish, Rachel.** (2007) Just What is a Hook-up, Anyway? Scripts and Intimate Behaviors among College Students: Evidence from the College Social Life Survey. *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Braksmajer, Amy, and **Kalish, Rachel.** (2007) Partners of the Transgendered: Negotiating Gender, Sexuality, and Intimacy. *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Kutz-Flamenbaum, Rachel V.** (2006) Anti-War Protest and the War in Iraq: The Use of Song in Women's Anti-War Protests. *Changing the World, One Song at a Time: Social Movements and Music*. Department of Sociology and Anthropology, The College of New Jersey, Ewing, NJ.
- Kutz-Flamenbaum, Rachel V.** (2006) Maternalism and Feminism: Women's Organizing in the Contemporary Anti-War Movement. *Women and War Conference*. Department of Women's Studies, Syracuse University, Syracuse, NY.
- Kutz-Flamenbaum, Rachel V.** (2006) Applying a Structural Lens: Women's Activism within the Anti-War Movement. *101<sup>st</sup> Annual Meeting of the American Sociological Association*. Montreal, Quebec, Canada.
- Lindquist, Carol S.** (2006) A Look at Kitchens: Revealing the Heart of the Household. *101<sup>st</sup> Annual Meeting of the American Sociological Association*. Montreal, Quebec, Canada. *Annual Meeting of the Association for the Study of Food and Society*. Boston, MA.
- Mahler, Matthew J.** (2006) Sociologizing the Subject/Object Divide: Towards a Socio-Analytic Understanding of Passions. *101<sup>st</sup> Annual Meeting of the American Sociological Association*. Montreal, Quebec, Canada.
- Maruoka, Etsuko.** (2007) Wearing "My Sword": Post-9/11 Activism and Headscarf Practice Among South-Asian Muslim Female College Students in New York. *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Maynard, Gary.** (2007) Sports as 'Safety Valve' and 'Cultural Enhancement.' *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Maynard, Gary,** and Shandra, J. (2007) World Systems Theory and Per Capita Cigarette Rates. *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Mohammadi, Majid.** (2007) Judicial Reform Projects in the Middle East Funded by the International Donors: Problems and Challenges. *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Muñoz, José.** (2006) Getting Past the Glitches: Social Movement Coalitions and Conflict Resolution in Mexico. *101<sup>st</sup> Annual Meeting of the American Sociological Association*. Montreal, Quebec, Canada.
- Roelfs, David.** (2007) Re-Conceptualizing Economic Competition: Evidence from New Orleans. *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Roschelle, A., and **Joseph, Lauren,** Nemeth, C., and Watson, C.A. (2007) Gettin' It On: Understanding Sexual Networks and HIV/AIDS in an Impoverished Community. *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Shandra, J., and **Shor, Eran.** (2007) Globalization and Ecological Footprints: A Cross-National Analysis. *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Sher, Anna.** (2007) In Pursuit of Sovereignty, Political Importance, and Class Power: A Strong State's Approach to Neoliberal Reform in One Region of Russia. *An International Conference*

“*Hegemonic Transitions and the State.*” The Centre for Global Political Economy, Simon Fraser University, Vancouver, Canada.

- Shin, Hwa-Ji.** (2007) Citizenship and Migration. *SIAS Summer Institute*. Wissenschaftskolleg zu Berlin, Berlin, Germany.
- Shin, Hwa-Ji.** (2007) Immigration and Citizenship Policy in Japan: 1900 – 1945. *Contentious Politics Workshop*. Institute for Social and Economic Research and Policy, Columbia University, New York, NY.
- Shin, Hwa-Ji.** (2006) Trajectories of Nation: Remaking Citizenship, Immigration, and National Self-Image in Japan. *Contentious Politics Workshop*. Institute for Social and Economic Research and Policy, Columbia University, New York, NY.
- Shor, Eran.** (2007) The Westermarck Hypothesis and the Incest Taboo: Bringing Sociology Back in. *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Shor, Eran.** (2006) When Democracies Violate Human Rights: The Spiral Model for Norms Socialization and the Israeli Case. *101<sup>st</sup> Annual Meeting of the American Sociological Association*. Montreal, Quebec, Canada.
- Shor, Eran.** (2006) When Three Rights Make a Wrong: Right Wing, the ‘Right’ Discourse and Human Rights. *Annual Meeting of the Association for Israel Studies*. Alberta, Canada.
- Smith, Tyson.** (2007) Getting a Grip on Pain: The Meaning of Pain and Injury Among Professional Wrestlers. *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Smith, Tyson** and Schwartz, M. (2007) An Alternative to the Survey-Based “Introduction to Sociology” Course. *77<sup>th</sup> Annual Meeting of the Eastern Sociological Society*. Philadelphia, PA.
- Tsutsui, K., and **Lim, Alwyn.** (2006) Between the State and Civil Society: Corporate Social Responsibility, Human Rights, and the UN Global Compact. *101<sup>st</sup> Annual Meeting of the American Sociological Association*. Montreal, Quebec, Canada.
- Traver, Amy.** (2007) Home(land) Décor: China Adoptive Parents’ Consumption of Chinese Cultural Objects for Display in their Homes. *4<sup>th</sup> Annual Graduate Student Ethnography Conference*. Stony Brook University Manhattan, New York, NY.

❖ **Post-Doctorates Obtained and Professional Appointments**

- Culton, Kenneth.** (2006) Assistant Professor. Department of Sociology, *Niagara University*, Niagara University, NY.
- Imai, Jun.** (2006) Post-Doctoral Research Associate. Department of Sociology, Institute of East Asian Studies, *University of Duisburg-Essen*, Duisburg, Germany.
- Joseph, Lauren.** (2006) Managing Editor of Qualitative Sociology. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Mohammadi, Majid.** (2006) Adjunct Faculty. Department of Classical and Near Eastern Studies, *Binghamton University*, Binghamton, NY.
- Smith, Tyson.** (2006) Managing Editor of American Sociological Association Rose Monograph Series in Sociology. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Traver, Amy.** (2006) Managing Editor, Men and Masculinities. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Weiss, Karen.** (2006) Assistant Professor. Division of Sociology and Anthropology, *West Virginia University*, Morgantown, WV.
- Wiest, Dawn.** (2006) Post-Doctoral Research Associate. Department of Sociology and Joan B. Kroc

Institute for International Peace Studies, *University of Notre Dame*, Notre Dame, IN.

**Esparza, Louis Edgar.** (2007) Editorial Assistant. *Societies Without Borders*, Brill Academic Publishers, Boston, MA.

**Esparza, Louis Edgar.** (2006) Editorial Assistant. *Contexts*, American Sociological Association, Washington, DC.

❖ **Theatrical Productions**

**Kalish, Rachel.** (2007) Ensemble. *The Vagina Monologues*. *Stony Brook University*, Stony Brook, NY.

❖ **Other**

**Baldermann, Diana, Joseph, Lauren, Smith, Tyson, and Traver, Amy.** (2007) Head of Organizing Conference Committee. *4th Annual Graduate Student Ethnography Conference*, *Stony Brook University*. Manhattan, NY.

# THEATRE ARTS

GRADUATE DIRECTOR: STEVE MARSH  
DEPARTMENT CHAIR: PEGGY MORIN

## ❖ Grants, Fellowships, and Awards

**Shulgat, Anna.** (2006/2007) Fulbright Scholarship. *Fulbright Foundation*, New York, NY/Russia.

## ❖ Singly Authored Publications/Research Reports/Reviews

**Arcieri, D.T.** (2007) Poem. *Modern Haiku* 38:1.

**Arcieri, D.T.** (2006) Poem. *Modern Haiku* 37:2.

**Shulgat, Anna.** (2006) Shoot, Hedda, Shoot! *The Empire of Drama* 2: 8.

**Shulgat, Anna.** (2007) Broadway Blues for Herzen and Orchestra. *The Empire of Drama* 5:7.

**Shulgat, Anna.** (2007) Shylock's Case. *The Empire of Drama* 6:8.

**Shulgat, Anna.** (2007) Hamlet's Last Tape. *The Empire of Drama* 7:8.

## ❖ Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops

**Meier, Inga.** (2007) Eugene O'Neill's *The Emperor Jones* and its Stylistic and Racial Ambiguities. *Hawaii International Conference on Arts and Humanities*. Honolulu, HI.

**Meier, Inga.** (2007) Brechtian Illustration in Lars von Trier's *Dogville*. *Hawaii International Conference on Arts and Humanities*. Honolulu, HI.

**Meier, Inga.** (2007) Down the Raining Elevator: Re-imagining Death through Personal Mythology in Sarah Ruhl's *Eurydice*. *Stony Brook University English Department Conference*, New York, NY.

**Meier, Inga.** (2006) Niels Mueller's *The Assassination of Richard Nixon* and its Adaptation of Georg Buechner's *Woyzeck*. *MMLA Conference*. Chicago, IL.

**Shulgat, Anna.** (2007) The Quintessence of Gablerism: Modern Interpretations of Hedda Gabler. *Stony Brook Graduate Conference*. Stony Brook Manhattan, New York, NY.

**Shulgat, Anna.** (2007) In Hollywood with Nemirovich-Danchenko, Presentation of V Gollivude's *Nemirovichem-Danchenko* by Sergei Bertensson. Stony Brook University, Stony Brook, NY.

**Shulgat, Anna.** (2007) Chekhov's *Uncle Vanya*. *Seminar on Russian literature*. Williams College, Williamstown, MA.

**Shulgat, Anna.** (2007) Russian Theatre Today. *Seminar on Russian culture*. Stony Brook University, Stony Brook, NY.

## ❖ Theatrical Productions

- Arcieri, D.T.** (2006) Playwright. Carl aka Karl. Staged reading, *Abingdon Theatre*, New York City, NY.
- Balsamo, Angie.** (2007) Dramaturg. National Alliance for Musical Theatre New Musicals Festival. *Millikin University*, Decatur, IL.
- Balsamo, Angie.** (2007) Director. Princess Pocahontas and the Blue Spots. *Stony Brook University*, Stony Brook, NY.
- Balsamo, Angie.** (2007) Dramaturg. Miss Lulu Bett. *Airmid Theatre*, Babylon, NY.
- Balsamo, Angie.** (2006) Dramaturg. Fair Americans. *Airmid Theatre*, Babylon, NY.
- Balsamo, Angie.** (2006) Dramaturg. Two Sisters and a Piano. *Stony Brook University*, Stony Brook, NY.
- Balsamo, Angie.** (2006) Dramaturg. A Little Betrayal Among Friends. *Airmid Theatre*, Babylon, NY.
- Danvers, Marie.** (2007) Director. The Arabian Nights. *Suffolk County Community College*, Selden, NY.
- Danvers, Marie.** (2006) Choreographer. Rocky Horror. *Suffolk County Community College*, Selden, NY.
- Jensen, Amy.** (2007) Assistant Dramaturg. When the Sea Dies. *Stony Brook University*, Stony Brook, NY.
- Pressimone, Catherine, and **Jensen, Amy.** (2006-2007) Co-playwright and performer. Dram-O-Rama. *Stony Brook University, and high schools throughout Suffolk County*, Suffolk County, NY.
- Lusk, Danya.** (2007) Dramaturg. As you Like It. *Stony Brook University*, Stony Brook, NY.
- Meier, Inga.** (2007) Dramaturg. Medieval Mystery Plays (dir. Sherry Teitelbaum). *Kelsey Theatre*, Mercer County Community College, Trenton, NJ.
- Meier, Inga.** (2007) Dramaturg/Translator. Woyzeck by Georg Buechner. *Kelsey Theatre*, Mercer County Community College, Trenton, NJ.
- Meier, Inga.** (2007) Dramaturg. Arabian Nights by Mary Zimmerman (dir. Marie Danvers). *Suffolk County Community College*, Selden, NY.
- Meier, Inga.** (2006) Dramaturg. To Be Loved by Alex DeFazio (Dir. Jody Person). *Chashama, NY*.
- Ortiz, Marie-Elena.** (2007) Percussionist. Princess Pocahontas and the Blue Spots, *Stony Brook University*, Stony Brook, NY.
- Ortiz, Marie-Elena.** (2007) Assistant Stage Manager. When the Sea Dies. *Stony Brook University*, Stony Brook, NY.
- Ortiz, Marie-Elena.** (2006) Assistant Dramaturg. Las Meninas. *Stony Brook University*, Stony Brook, NY.
- Pressimone, Catherine.** (2006) Assistant Dramaturg. Two Sisters and a Piano. *Long Island Play Project*. Stony Brook University, Stony Brook, NY.
- Pressimone, Catherine,** and Jensen, Amy. (2006-2007) Co-creator and performer. Dram-O-Rama. *Stony Brook University, and high schools throughout Suffolk County*, Suffolk County, NY.
- Pressimone, Catherine.** (2007) Dramaturg. Princess Pocahontas and the Blue Spots. *Cabaret*, Stony Brook University, Stony Brook, NY.
- Pressimone, Catherine.** (2007) Dramaturg. Miss Lulu Bett. *Airmid Theatre Company*, Babylon, NY.
- Shulgat, Anna.** (2007) Assistant Dramaturg. As You Like It. *Stony Brook University*, Stony Brook, NY.
- Webb, Eric.** (2007) Actor. As You Like It. *Stony Brook University*, Stony Brook, NY.
- Webb, Eric.** (2006) Actor. Exhibit 13. *Stony Brook University*, Stony Brook, NY.
- Webb, Eric.** (2006) Actor. Dasher. The Eight: Reindeer Monologues. *Stony Brook University*, Stony Brook, NY.

## Theatre Arts

### ❖ Translations

**Shulgat, Anna.** (2007) *Komnata vody/The Water Room*. By Christopher Fowler. St.Petersburg, Russia: Amphora.

### ❖ Other

**Lusk, Danya.** (2006) Literary Associate. *John Gassner New Play Festival*, Stony Brook University, Stony Brook, NY.

**Meier, Inga.** (2006) Associate Artistic Director. *Long Island Play Project (LIPP)*, Stony Brook, NY.

Pressimone, C., and **Meier, Inga.** (2006/2007) Managing Editors, The Groundling. Theatre Arts Department, *Stony Brook University*, Stony Brook, NY.

**Pressimone, C.,** and Meier, Inga. (2006/2007) Managing Editors, The Groundling. Theatre Arts Department, *Stony Brook University*, Stony Brook, NY.

**Webb, Eric.** (2006) Technical Coordinator. The Cabaret, *Stony Brook University*, Stony Brook, NY.

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