

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 2009-2010 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**

Oil Drum by Joseph Esser

Joseph Esser is a graduate student in the Master of Fine Arts program in Studio Arts and the winner of the 2010 Dorothy L. Pieper Memorial Purchase Prize

- **Editing and Typesetting:** Paul Bugyi

The Graduate School

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GRADUATE PROGRAMS

❖ **COLLEGE OF ARTS AND SCIENCES**, Dean: Nancy Squires

Anthropological Sciences
Anthropology
Art History & Criticism and Studio Art
Biochemistry and Structural Biology
Chemistry
Comparative Literary and Cultural Studies
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**, Interim Dean: Manuel London

❖ **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

❖ **SCHOOL OF DENTAL MEDICINE**, Dean: Ray Williams

❖ **SCHOOL OF MARINE AND ATMOSPHERIC SCIENCES**, Interim Dean: Minghua Zhang

❖ **SCHOOL OF MEDICINE**, Dean: Kenneth Kaushansky

Anatomical Sciences
Molecular and Cellular Pharmacology
Molecular Genetics and Microbiology
Physiology and Biophysics

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

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

The 2010 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.

Ralph Clare	<i>English</i>
James Corrigan	<i>Philosophy</i>
Adam Rosenfeld	<i>Philosophy</i>
Katharina Schuhmann	<i>Linguistics</i>
Hans Staats	<i>Comparative Literature</i>
Xiaomeng Xu	<i>Social Health Psychology</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.

Leandro Almeida	<i>Physics & Astronomy</i>
Yevgen Borodin	<i>Computer Science</i>
Xiaojing Huang	<i>Physics & Astronomy</i>
Zhi Pan	<i>Materials Science</i>
Ilmo Sung	<i>Physics & Astronomy</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.

Joseph Esser	<i>Studio Art</i>
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❖ The Faculty Staff Fellowship Award

This award has been made possible through faculty and staff payroll deduction contributions to the Graduate School Fellowship Fund.

Lauren Neefe	<i>English</i>
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❖ **The Madeline Fusco Fellowship**

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

Rachel Walsh

English

❖ **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.

Landon Frim

Philosophy

ANATOMICAL SCIENCES

GRADUATE DIRECTOR: MAUREEN O'LEARY

DEPARTMENT CHAIR: WILLIAM JUNGERS

❖ Grants, Fellowships and Awards

Borths, Matthew. (2009) Fulbright Award (Student Category) to Germany, \$12,000. *Fulbright Commission*, Berlin, Germany.

Borths, Matthew (2009) Graduate Research Fellowship, \$30,000/year. *National Science Foundation*, Arlington, VA.

Burch, Sara. (2009) Jackson School of Geosciences Student Member Travel Grant, \$600. *Society of Vertebrate Paleontology*, Deerfield, IL.

McCartney, Jacob A. (2009) Jackson School of Geosciences Student Member Travel Grant, \$600. *Society of Vertebrate Paleontology*, Deerfield, Illinois.

Sertich, Joseph. (2010) Doctoral Dissertation Improvement Grant, \$15,000. *National Science Foundation*, Arlington, VA.

Sertich, Joseph. (2010) Jackson School of Geosciences Student Member Travel Grant, \$600. *Society of Vertebrate Paleontology*, Deerfield, IL.

❖ Jointly Authored Publications/Research Reports/Reviews

Schroer, Katherine, **Borths Matthew.** (2010) Creating Science: How the Creation Museum can build a better Natural History Museum. *The Informal Learning Review*, 1(100): 14-21.

Schroer, Katherine, Borths Matthew. (2010) Creating Science: How the Creation Museum can build a better Natural History Museum. *The Informal Learning Review*, 1(100): 14-21.

Sertich, J.J.W., Loewen, M.A. (2010) A New Basal Sauropodomorph from the Lower Jurassic Navajo Sandstone of Southern Utah. *PLoS ONE*, 5(3): e9789. doi:10.1371/journal.pone.0009789.

O'Connor, P.M., **Sertich, J.J.W.**, Stevens, N.J., Roberts, E.M., Jinnah, Z.A., Ridgely, R., Hieronymus, T.L., Gottfried, M.D., Ngasala, S.E., Temba, J. (In Press) The evolution of mammal-like crocodyliforms in Gondwana: new evidence from the Cretaceous of Tanzania. *Nature*.

❖ Conferences/Colloquiums, Presentations, Symposiums, Workshops

Borths, Matthew, Martin, Thomas. (2009) Clawing through the Guimarota: Distal Phalange Diversity in a Late Jurassic Mammalian Fauna. *Annual Meeting of the Society of Vertebrate Paleontology*. Bristol, UK.

Burch, Sara. (2009) The utility of osteological correlates of muscle attachment in the reconstruction of locomotory modes of extinct birds. *Society of Vertebrate Paleontology 69th Annual Meeting*. Bristol, UK.

McCartney, Jacob. (2009) An assessment of intracolumnar variation in three species of modern snakes and its implications for the fossil record. *Society of Vertebrate Paleontology Annual Meeting*. Bristol, UK.

Sertich, J., Kley, N., Turner, A., Georgi, J., Krause, D. (2009) Morphology and Systematics of the notosuchian crocodyliform *Simosuchus clarki* from the Late Cretaceous of Madagascar. *Society of Vertebrate Paleontology Annual Meeting*. Bristol, UK.

- Farke, A., **Sertich, J.** (2009) A medium-sized theropod from the Late Cretaceous (Turonian of Coniacian) of the Ambilobe Basin, northernmost Madagascar. *Society of Vertebrate Paleontology Annual Meeting*. Bristol, UK.
- Hutchinson, J.H., Irmis, R., **Sertich, J.**, Nesbitt, S., Titus, A., Claessens, L. (2009) Late Cretaceous Crocodyliforms from Grand Staircase Escalante National Monument, Utah. *Grand Staircase-Escalante National Monument Cretaceous Conference*. St. George, UT.
- Sorrentino, Gina.** (2010) Conservation of gene function in the TGF β signaling pathway between Cnidaria and Amphibia. *Evolution 2010*. Portland, OR.

ANTHROPOLOGICAL SCIENCES

GRADUATE DIRECTOR: ANDREAS KOENIG

❖ Grants, Fellowships and Awards

- Baden, Andrea L.** (2009) Ruppenthal Travel Award, \$500. *American Society of Primatologists*, San Diego, CA.
- Blatch, Stephanie.** (2010) National Science Foundation Graduate Research Fellowship, Honorable Mention. *National Science Foundation*, Arlington, VA.
- Bunn, Jonathan.** (2010) Nordic Research Opportunity Award, \$5,000. *National Science Foundation*, Arlington, VA.
- Deppe, Anja M.** (2009) Best Oral Paper Award, \$200. *American Society of Primatologists*, San Diego, CA.
- Erb, Wendy.** (2010) American Dissertation Fellowship, Alternate. *American Association of University Women*, Washington, DC.
- Erb, Wendy.** (2010) Sherwood L. Washburn Student Award, \$750. *American Association of Physical Anthropologists*, Albuquerque, NM.
- Fernández, David.** (2009) General Research Grant, \$13,000. *The Leakey Foundation*, San Francisco, CA.
- Fernández, David.** (2009) Doctoral Dissertation Improvement Grant, \$13,000. *National Science Foundation*, Arlington, VA.
- Fernández, David.** (2009) Conservation Grant, \$15,000. *Conservation International: Margot Marsh Biodiversity Foundation*, Flourtown, PA.
- Gogarten, Jan.** (2010) National Science Foundation Graduate Research Fellowship, \$30,000/year for three years. *National Science Foundation*, Arlington, VA.
- Herrera, James P.** (2010) National Science Foundation Graduate Research Fellowship, \$30,000/year for three years. *National Science Foundation*, Arlington, VA.
- Herrera, James P.** (2010) Poster Award, 3rd place, \$50. *CUNY-SUNY Alliance for Graduate Education and the Professoriate Science and Engineering*, Manhattan, NY.
- Larney, Eileen.** (2009-2010) Conservation Grant, \$2,000. *International Primatological Society*, Yola, Nigeria.
- Larney, Eileen.** (2009-2010) Conservation Grant, \$15,000. *Conservation International: Margot Marsh Biodiversity Foundation*, Flourtown, PA.
- Larney, Eileen.** (2009-2010) Conservation Grant, \$3,000. *Primate Conservation, Inc.*, Charlestown, RI.
- Larney, Eileen.** (2009-2010) Conservation Grant, \$2,300. *Primate Conservation, Inc.*, Charlestown, RI.
- Nelson, Thaddeus.** (2009) Heritage Fellowship, \$1,000. *The American Schools of Oriental Research*, Boston, MA.
- Ossi-Lupo, Kerry.** (2010) Primate Interest Group Award. *American Association of Physical Anthropologists*, Albuquerque, NM.
- St. Clair, Elizabeth M.** (2010) Graduate Student Travel Award, \$250. *American Association of Anatomists*, Bethesda, MD.
- Venkataraman, Vivek V.** (2010) National Science Foundation Graduate Research Fellowship, \$30,000/year for three years. *National Science Foundation*, Arlington, VA.

Venkataraman, Vivek V. (2010) Pollitzer Travel Award, \$500. *American Association of Physical Anthropologists*, Albuquerque, NM.

Viterbo, Kyle Marian A. (2010) National Science Foundation Graduate Research Fellowship, \$30,000/year for three years. *National Science Foundation*, Arlington, VA.

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

Elder, Alice. (2009) Hylobatid diet revisited: the importance of body mass, fruit availability and interspecific competition. In S. Lappan, D.J. Whittaker (Eds.), *The Gibbons: New Perspectives on Small Ape Socioecology and Population Biology* (pp. 133-159). New York: Springer.

Martin, Sara K. (In Press) Book review of *Primate Parasite Ecology* by M.A. Huffman and C.A. Chapman (Eds.). *The Quarterly Review of Biology*.

Ossi-Lupo, Kerry. (2010) Skill learning for survival in nonhuman primates. In D.F. Lancy, J. Bock, S. Gaskins (Eds.), *The Anthropology of Learning in Childhood* (pp. 309-340). Lanham, MD: Alta Mira Press.

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

Baden, Andrea L., Gilbert, C.C. (2009) Physical anthropology in the windy city. *Evolutionary Anthropology* 18(4): 123-124.

Baden, Andrea L., Lu, A., Tecot, S.R. (2009) 2009 annual meeting of the American Society of Primatologists. *Evolutionary Anthropology* 18(5): 164-165.

Fleagle, J.G., **Baden, Andrea L.** (2009) The evolution of human behavior. *Evolutionary Anthropology* 18(5): 163.

Fleagle, J.G., Gilbert, C.C., **Baden, Andrea L.** (2010) Primate cranial diversity. *American Journal of Physical Anthropology* 142(4): 565-578.

Fleagle, J.G., Shea, J.J., Grine, F.E., **Baden, Andrea L.,** Leakey, R.E. (Eds.) (2010) Out of Africa I: The First Hominin Colonization of Eurasia. Dordrecht: Springer.

Ross, C.F., **Baden, Andrea L.,** Georgi, J., Herrel, A., Metzger, K., Reed, D., Schaerlaeken V., Wolff, M. (2010) Modulation of amniote chewing. *Journal of Experimental Biology* 213: 572-584.

Fernández, David, McCabe, G.M., Ehardt, C.L. (In Press). Infant mortality in wild Sanje mangabeys *Cercocebus sanjei*. *African Primates*.

Doran-Sheehy, D.M., **Fernández, David,** Borries, C. (2009) The strategic use of sex in wild western gorillas. *American Journal of Primatology* 71(12): 1011-1020.

Young, J.W., **Fernández, David,** Fleagle, J.G. (2010) Ontogeny of long bone geometry in capuchin monkeys (*Cebus albifrons* and *Cebus apella*): implications for locomotor development and life history. *Biology Letters* 6: 197-200.

Jacobs, Rachel L., Boyer, D.M., Patel, B.A. (2009) Comparative functional morphology of the primate peroneal process. *Journal of Human Evolution* 57(6): 721-731.

Kingston, Amanda K., Boyer, D.M., Patel, B.A., Larson, S.G., Stern, J.T. Jr. (2010) Hallucal grasping in *Nycticebus coucang*: Further implications for the functional significance of an enlarged peroneal process. *Journal of Human Evolution* 58(1): 33-42.

Lenardi, M.J., **Merwin, Daria E.** (2010) Towards automating artifact analysis: a study showing potential applications of computer vision and morphometrics to artifact typology. In A.M.T. Elewa (Ed.), *Morphometrics for Nonmorphometricians* (pp. 289-305). Berlin: Springer.

- Williams, R.C., Nash, L.T., **Scarry, Clara J.**, Videan, E.N., Fritz, J. (2010) Factors affecting wounding aggression in a colony of captive chimpanzees (*Pan troglodytes*). *Zoo Biology* 29(3): 351-364.
- Shea, J.J., **Sisk, Matthew L.** (2010) Projectile technology and *Homo sapiens* dispersal from Africa to Western Eurasia. *PaleoAnthropology 2010*: 100-122.
- St. Clair, Elizabeth M.**, Baab, K.L. (2009) Throwing light on early human evolution in Africa. *Evolutionary Anthropology* 18(4): 121-122.
- St. Clair, Elizabeth M.**, Boyer, D.M., Bloch, J.I., Krause, D.W. (2010) First records of a triisodontine mammal, *Goniacodon levisanus*, in the late Paleocene of the northern Great Plains, North America. *Journal of Vertebrate Paleontology* 32(2): 604- 608.
- Wallace, Ian J.**, Middleton, K.M., Lublinsky, S., Kelly, S.A., Judex, S., Garland, T. Jr., Demes, B. (In Press) Functional significance of genetic variation underlying limb bone diaphyseal structure. *American Journal of Physical Anthropology*.

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

- Baden, Andrea L.** (2009/2010) It takes a village: communal infant care and socialization in wild ruffed lemurs (*Varecia variegata*) in southeastern Madagascar. *32nd Meeting of the American Society of Primatologists*. San Diego, CA. *Provost's Graduate Student Lecture Series*. Stony Brook University, Stony Brook, NY.
- Baden, Andrea L.** (2010) Characterizing 'kindergartens': nest use and infant-parking strategies in *Varecia variegata*. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Blatch, Stephanie**, Boyer, D.M., King, S.J., Bunn, J.M., Jernvall, J., Wright, P.C. (2010) Do old sifakas (*Propithecus edwardsi*) chew differently? *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Bunn, Jonathan**, Boyer, D., Jernvall, J., Lipman, Y., Daubechies, I. (2009) Who cares which way is up? An orientation and landmark-free quantification of tooth shape. *69th Society of Vertebrate Paleontology Annual Meeting*. Bristol, UK.
- Blatch, S., Boyer, D., King, S.J., **Bunn, Jonathan**, Jernvall, J., Wright, P.C. (2010) Do old sifakas (*Propithecus edwardsi*) chew differently? *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Carnation, Stevie**, Wallace, I.J., Nakatsukasa, M. (2010) Relative limb strength in *Paracolobus chemeroni*. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Richmond, B.G., Bennett, M.R., Harris, J.W.K., Behrensmeyer, A.K., Braun, D.R., **Carnation, Stevie**, Chirchir, H., Green, D.J., Kiura, P., Mbua, E. (2010) The anatomy of footprints from Koobi Fora, Kenya. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Deppe, Anja M.**, Wright, P.C. (2009) Predator recognition in brown mouse lemurs: field experiments in Ranomafana National Park, Madagascar. *32nd Meeting of the American Society of Primatologists*. San Diego, CA.
- Erb, Wendy M.**, Ziegler, T., Hammerschmidt, K. (2010) Do loud calls reflect energy status in male simakobu monkeys (*Simias concolor*)? *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Henecke, J., Twiss, K., **Everhart, Jennifer**. (2010) Long bone cross-sectional geometry as a method for investigating ancient herd mobility. *75th Annual Meeting of the Society of American Archaeologists*. St. Louis, MO.

- Goodenberger, Katherine E.**, Seiffert, E.R., Simons, E.L. (2010) A distal humerus of the primate *Karanisia* from the late Eocene of Egypt. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Gosselin-Ildari, Ashley D.** (2010) The effect of unstable substrates on the locomotion of capuchin monkeys. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Gosselin-Ildari, Ashley D.**, Boyer, D.M., Lemelin, P. (2009) Influence of a terrestrial history on foot morphology in primate-like arboreal procyonids (Mammalia, Carnivora). *69th Society of Vertebrate Paleontology Annual Meeting*. Bristol, UK.
- Graves, Ronda R.**, McCarthy, R.C., Lupo, A.C., Wescott, D.J., Cunningham, D.L. (2010) New estimates of stature and body mass for KNM-WT 15000. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Henecke, Jennifer**, Twiss, K., Everhart, J. (2010) Long bone cross-sectional geometry as a method for investigating ancient herd mobility. *75th Annual Meeting of the Society of American Archaeologists*. St. Louis, MO.
- Herrera, James P.**, Furfey, B.C., Taylor, L.L. (2010) Does the behavior of blind night monkeys (*Aotus*) differ from conspecifics with normal vision? *CUNY-SUNY Alliance for Graduate Education and the Professoriate Science and Engineering Conference*. Manhattan, NY. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Herrera, James P.**, Lauterbur, M.E., Wright, P.C., Ratovonjanahary, L., Taylor, L.L. (2009) Rapid assessment of lemurs in disturbed and undisturbed habitats in southeast Madagascar. *32nd Meeting of the American Society of Primatologists*. San Diego, CA.
- Evans, S., Wolovich, C., **Herrera, James**. (2009) Aggression in captive owl monkeys (genus *Aotus*). *32nd Meeting of the American Society of Primatologists*. San Diego, CA.
- Chester, S.G.B., Boyer, D.M., Bloch, J.I., Sargis, E.J., **Jacobs, Rachel L.**, Patel, B.A. (2010) Hallucal metatarsal of euarchontan mammals. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Patel, B.A., Boyer, D.M., **Jacobs, Rachel L.**, Seiffert, E.R., Simons, E.L. (2010) Anthropoid first metatarsal from the late Eocene of Egypt. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Borries, C., **Larney, Eileen**, Lu, A., Ossi, K., Koenig, A. (2009) Are faster life histories in folivores a myth? First data for *Trachypithecus phayrei crepusculus* and a comparison of Asian colobines and macaques. *32nd Meeting of the American Society of Primatologists*. San Diego, CA.
- Jolly, C.J., Phillips-Conroy, J.E., Burrell, A.S., Bergey, C., **Larney, Eileen**, Disotell, T. (2010) The circle is unbroken: hybridization occurs between Kinda and chacma baboons in the Kafue Valley, Zambia. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Koenig, A., **Larney, Eileen**, Borries, C. (2009) A little knowledge is a dangerous thing: dispersal and residence pattern in Phayre's leaf monkeys. *7. Göttinger Freilandtage, "Long-term field studies of primates"*. German Primate Center, Göttingen, Germany.
- Larney, Eileen**, Rafaliarison, R.R., Wright, P.C. (2010) Working to save *Prolemur simus* in southeastern Madagascar: the Ivato update. *The International Technical Meeting on Prolemur simus Conservation*. Antananarivo, Madagascar.
- Lodwick, Jessica L.**, Doran-Sheehy, D. (2010) How do different methods and data sets affect measures of female dominance? *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.

Anthropological Sciences

- Kuriakose, B., **Lodwick, Jessica**, Fleagle, J. (2010) Measuring within-group contest competition in western lowland gorillas. *Long Island Science and Engineering Fair/ Siemens Competition in Math, Science, and Technology*. Woodbury, NY.
- Maiolino, Stephanie**, Boyer, D.M., Bloch, J.I. (2010) Grasping, clasping, and claw climbing: locomotor specializations of non-hallucal distal phalanges in plesiadapiform primates. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Ossi-Lupo, Kerry**, Koenig, A. (2010) Food properties and implications for juvenile foraging in Phayre's leaf monkeys (*Trachypithecus phayrei crepusculus*). *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Borries, C., Larney, E., Lu, A., **Ossi, Kerry**, Koenig, A. (2009) Are faster life histories in folivores a myth? First data for *Trachypithecus phayrei crepusculus* and a comparison of Asian colobines and macaques. *32nd Meeting of the American Society of Primatologists*. San Diego, CA.
- Sisk, Matthew L.**, Shea, J.J. (2010) The use of tip cross-sectional perimeter in determining projectile use: experimental, archaeological and theoretical approaches. *75th Annual Meeting of the Society of American Archaeologists*. St. Louis, MO.
- Sisk, Matthew L.** (2009) Using Gigapan imagery in archaeological contexts. *3rd Annual Fine Foundation Gigapan Workshop*. Pittsburgh, PA.
- St. Clair, Elizabeth M.**, Boyer, D.M., Perry, J.M.G. (2010) The evolution of molar shape diversity in primates and euarchontan mammals: a geometric morphometric approach. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- St. Clair, Elizabeth M.**, Boyer, D.M., Baab, K.L., Perry, J.M.G. (2010) Geometric morphometric investigation of size and shape in prosimian molar morphology: incorporating phylogeny into allometric analyses. *American Association of Anatomists Annual Meeting*. Anaheim, CA.
- Su, Anne.** (2010) Quantitative analysis and functional significance of subchondral and cancellous bone micro-architecture in the hominid hind foot. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Fashing, P.J., Nguyen, N., Kerby, J.T., Lee, L.M., Nurmi, N.O., **Venkataraman, Vivek V.** (2010) Patterns and sources of mortality among geladas (*Theropithecus gelada*) at Guassa, Ethiopia. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Viterbo, Kyle Marian A.**, Harcourt-Smith, W.E. (2010) A 3-D geometric morphometric study of the "keystone" tarsals: implications for diversity in the foot of early bipedal hominins. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Wallace, Ian J.**, Middleton, K.M., Lublinsky, S., Kelly, S.A., Judex, S., Garland, T. Jr., Demes, B. (2010) Activity, genes and diaphyseal structure. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.
- Carnation, S., **Wallace, Ian J.**, Nakatsukasa, M. (2010) Relative limb strength in *Paracolobus chemeroni*. *79th Annual Meeting of the American Association of Physical Anthropologists*. Albuquerque, NM.

❖ Post-Doctorates Obtained and Professional Appointments

- Baden, Andrea L.** (2009) Research Associate. Molecular Anthropology Department, *Yale University*, New Haven, CT.
- Larney, Eileen.** (2009) Chief of Operations. Institute for the Conservation of Tropical Environments, *Centre ValBio*, Ranomafana, Madagascar.
- Malko, Helen.** (2010) Adjunct Faculty. Department of Social Sciences, *Suffolk County Community College*, Selden, NY, Suffolk.

St. Clair, Elizabeth M. (2009) Clinical Assistant Professor. Department of Occupational Therapy, *SUNY Downstate*, Brooklyn, NY.

❖ **Internship Appointments**

Malko, Helen. (2009) Intern. North American Archaeology Lab, *American Museum of Natural History*, Manhattan, NY.

APPLIED MATHEMATICS AND STATISTICS

GRADUATE DIRECTOR: XIAOLIN LI
DEPARTMENT CHAIR: JAMES GLIMM

❖ Grants, Fellowships and Awards

- Balius, Trent E.** (2009) National Research Service Award, \$29,717. *National Cancer Institute*, National Institutes of Health, Bethesda, MD.
- Balius, Trent E.** (2010) Chemical Computing Group Excellence Award, \$1,125. Computers in Chemistry Division, *American Chemical Society*, Washington, D.C..
- Fujimoto, Yukiji K.** (2009) Sigma Xi Travel Award. *Sigma Xi*, Research Triangle Park, NC.
- Han, Hao** (2009) Government Scholarship, \$12,600. *Chinese Scholarship Council*, Beijing, China.
- Jiang, Lingling** (2009) Government Scholarship, \$12,600. *Chinese Scholarship Council*, Beijing, China.
- Jiang, Tao.** (2009) Student Poster Award. *Laufer Center for Computational Biology and Genome Sciences*, Stony Brook University, Stony Brook, NY.
- Lin, Ruonan** (2009) Government Scholarship, \$12,600. *Chinese Scholarship Council*, Beijing, China.
- Zhou, Xiaoping** (2009) Government Scholarship, \$12,600. *Chinese Scholarship Council*, Beijing, China.

❖ Singly Authored Publications/Research Reports/Reviews

- Ji, Xiaomei.** (2009) An Optimal Order Error Estimate of a Linear Finite Element Method for Smooth Solutions of 2D Systems of Conservation Laws. *Journal of Computational Analysis and Applications 11*: 364-382.

❖ Jointly Authored Publications/Research Reports/Reviews

- Chen, J.J., **Ahn, H.J.**, Steinhardt, G.F. (2009) Is Age at Toilet Training Associated with the Presence of Vesicoureteral Reflux or the Occurrence of Urinary Tract Infection. *Journal of Urology 182*(1): 268-71.
- Ahn, K.**, Gordon, D., Finch, S.J. (2009) Increase of Rejection Rate in Case-Control Studies with the Differential Genotyping Error Rates. *Statistical Applications in Genetics and Molecular Biology 8*(1): Article 25.
- Balius, Trent E.**, Rizzo, Robert C. (2009) Quantitative Prediction of Fold Resistance for Inhibitors of EGFR. *Biochemistry 48*(35): 8435-8448
- Owonikoko, Taofeek K., Ramalingam, Suresh S., Kanterewicz, Beatriz, **Balius, Trent E.**, Belani, Chandra P., Hershberger, Pamela A. (2010) Vorinostat increases carboplatin and paclitaxel activity in non-small cell lung cancer cells. *International Journal of Cancer 126*(3): 743-755
- McGillick, Brian E., **Balius, Trent E.**, Mukherjee, Sudipto, Rizzo, Robert C. (In Press) Origins of Resistance to the HIVgp41 Viral Entry Inhibitor T20. *Biochemistry*.
- Kimhy, D., Delespaul, P., Ahn, H., **Cai, S.**, Shikhman, M., Lieberman, J. A., Malaspina, D., and Sloan, R. P. (In Press) Concurrent measurement of “real world” stress and arousal in individuals with psychosis: Assessing the feasibility and validity of a novel methodology. *Schizophrenia Bulletin* Doi: 19,1093/schbul/sbp028.

- Carrascal, N.** and Green, D. F. (2010) Energetic decomposition with the generalized-Born and Poisson–Boltzmann solvent models: Lessons from association of G-protein components. *J. Phys. Chem. B* 114(15): 5096-5116.
- Chang S.W.**, Choi S.H., Li K., Saint-Fleur, R., Huang, C., Shen, T., Ahn, K., Gordon, D., Kim. W., Wu, R., Mendell, N.R., Finch, S.J. (2009) Growth mixture modeling as an exploratory analysis tool in longitudinal quantitative trait loci analysis. *BMC Proceedings* 3(Supplement 7): S112.
- Huang, C., Li, K., St. Fleur, R., **Chang, S.W.**, Choi, S.H., Shen, T., Shin, S.Y., Finch, S.J., and Mendell, N.R. (2009). Family based analysis of an MI endophenotype: Comparison of sampling designs. *BMC Proceedings* 3(Supplement 7): S120.
- Chen, Y.**, and Deng, Y. (2009) A Detailed analysis of communication load balance on BlueGene supercomputer. *Comp. Phys. Comm.* 180: 1251-1258.
- Jiao, X. and **Chen, Y.** (2009) Open-source software mexCGNS: MEX interface of CGNS (CFD General Notation System) for MATLAB and Octave. <http://code.google.com/p/mexcgns/>.
- Artifon, E., Kumar, A., Eloubeidi, M. A., **Chu, A.** et al. (2009) Prospective randomized trial of EUS versus ERCP-guided common bile duct stone removal: An interim report (with video). *Gastrointestinal Endoscopy* 69(2): 238-243.
- Wang, D., **Clark, B. L.**, and Jiao, X. (2009) An Analysis and Comparison of Parameterization-Based Computation of Differential Quantities for Discrete Surfaces. *Computer Aided Geometric Design* 26(5): 510-527.
- Jiao, X., Einstein, D. R., and **Dyedov, V.** (2010) Local Orthogonal Cutting Method for Computing Medial Curves and Its Biomedical Applications. *SIAM J. Sci. Comput.* 32(2): 947–969.
- Dyedov, V.**, Einstein, D. R., Jiao, X., Kuprat, A. P., Carson, J. P. and del Pin, F. (2009) Variational Generation of Prismatic Boundary-Layer Meshes for Biomedical Computing. *International Journal for Numerical Methods in Engineering* 79(8): 907–945.
- Jiao, X., Einstein, D. R., **Dyedov, V.**, and Carson, J. P. (2009) Automatic Identification and Truncation of Boundary Outlets in Complex Imaging-Derived Biomedical Geometries. *Medical & Biological Engineering & Computing* 47(9): 989-999.
- E.A. Feinberg, **Fei, Jun.** (2009) An inequality for variances of the discounted rewards. *Journal of Applied Probability* 46: 1209-1212.
- Wang, S., Samulyak, R., **Guo, T.** (2010) An embedded boundary method for parabolic problems with interfaces and application to multi-material systems with phase transitions. *Acta Mathematica Scientia* 30B(2): 499-521.
- Bolotnov, I., Behafarid, F., Shaver, D., **Guo, T.**, Wang, S., Hei, H., Anthal, S., Jansen, K., Samulyak, R., Podowski, M. (2010) Interaction of computational tools for multiscale multiphysics simulations of generation-IV reactors. *Proceedings of ICAPP 2010*: Paper 10141. San Diego, CA.
- Hu, J. and **Hu, P.** (2009) On the Performance of the Cross-Entropy Method. *Proceedings of the 2009 Winter Simulation Conference*: 459-468.
- Chang S.W., Choi S.H., Li K., Saint-Fleur, R., **Huang, C.**, Shen, T., Ahn, K., Gordon, D., Kim. W., Wu, R., Mendell, N.R., Finch, S.J. (2009) Growth mixture modeling as an exploratory analysis tool in longitudinal quantitative trait loci analysis. *BMC Proceedings* 3(Supplement 7): S112.
- Huang, C.**, Li, K., St. Fleur, R., Chang, S.W., Choi, S.H., Shen, T., Shin, S.Y., Finch, S.J., and Mendell, N.R. (2009). Family based analysis of an MI endophenotype: Comparison of sampling designs. *BMC Proceedings* 3(Supplement 7): S120.
- Irfan, M., **Iwerks, J.**, Kim, J., Mitchell, J.S.B. (2009) Guarding polyominoes. *Proc. 19th Fall Workshop on Computational and Combinatorial Geometry*. Tufts University, Medford, MA.

- Lim, H., **Iwerks, J.**, Glimm, J., Sharp, D. (In Press) Nonideal Rayleigh-Taylor Mixing. *Proceedings of the National Academy of Sciences*.
- Sholokhova, Y., **Kim, D.**, Lindquist, W. B. (2009) Network flow modeling via lattice-Boltzmann based channel conductance. *Advances in Water Resources* doi:10.1016/j.advwatres.2008.10.016
- Montes, P., Memelli, H., Ward, C., **Kim, J.**, Mitchell, J.S.B., and Skiena, S.S. (2010) Optimizing restriction site placement for synthetic genomes. *Proc. 21st Annual Symposium on Combinatorial Pattern Matching*. New York, NY.
- Kim, J.**, Mitchell, J.S.B., and Zou, J. (2009) Routing parallel and merging lanes. *Proc. 19th Fall Workshop on Computational and Combinatorial Geometry*. Tufts University, Medford, MA.
- Arkin, E.M., Fekete, S.P., **Kim, J.**, Mitchell, J.S.B., Sabhnani, G.R., and Zou, J. (2009) The pencil packing problem. *Proc. 19th Fall Workshop on Computational and Combinatorial Geometry*. Tufts University, Medford, MA.
- Irfan, M., Iwerks, J., **Kim, J.**, Mitchell, J.S.B. (2009) Guarding polyominoes. *Proc. 19th Fall Workshop on Computational and Combinatorial Geometry*. Tufts University, Medford, MA.
- Kim, J.**, Mitchell, J.S.B., and Zou, J. (2009) Approximating maximum flow in polygonal domains using spanners. *Proc. 21st Canadian Conference on Computational Geometry*: 115-118. University of British Columbia, Vancouver, BC.
- Kim, J.**, Kroeller, A., Mitchell, J.S.B., and Sabhnani, G. (2009) Scheduling aircraft to reduce controller workload. *Proc. 9th Workshop on Algorithmic Approaches for Transportation Modelling, Optimization, and Systems*. In Jens Clausen and Gabriele Di Stefano (Eds.), Dagstuhl Seminar Proceedings, Internationales Begegnungs- und Forschungszentrum fuer Informatik (IBFI). IT University of Copenhagen, Denmark.
- Kim, J.**, Zou, J., Mitchell, J.S.B., Krozel, J. (2009) Sensitivity of capacity estimation results subject to convective weather forecast errors. *Proc. AIAA Guidance, Navigation, and Control Conference*. American Institute of Aeronautics and Astronautics, Chicago, IL.
- Huang, C., **Li, K.**, St. Fleur, R., Chang, S.W., Choi, S.H., Shen, T., Shin, S.Y., Finch, S.J., and Mendell, N.R. (2009). Family based analysis of an MI endophenotype: Comparison of sampling designs. *BMC Proceedings* 3(Supplement 7): S120.
- Chang S.W., Choi S.H., **Li, K.**, Saint-Fleur, R., Huang, C., Shen, T., Ahn, K., Gordon, D., Kim. W., Wu, R., Mendell, N.R., Finch, S.J. (2009) Growth mixture modeling as an exploratory analysis tool in longitudinal quantitative trait loci analysis. *BMC Proceedings* 3(Supplement 7): S112.
- Lim, H.**, Iwerks, J., Glimm, J., Sharp, D. (In Press) Nonideal Rayleigh-Taylor Mixing. *Proceedings of the National Academy of Sciences*.
- Lim, N.**, Ahn, H., Moon, H., and Chen, J. J. (2010) Classification of high-dimensional data with ensemble of logistic regression models. *Journal of Biopharmaceutical Statistics* 20: 160-171.
- Manu**, Surkova, S., Spirov, A. V., Gursky, V., Janssens, H. , Kim, A. R., Radulescu, O., Vanario-Alonso, C. E., Sharp, D. H., Samsonova, M, Reinitz, R. (2009) Canalization of gene expression in the *Drosophila* blastoderm by gap gene cross regulation. *PLoS Biology* 7: e1000049.
- Manu**, Surkova, S., Spirov, A. V., Gursky, V., Janssens, H., Kim, A. R., Radulescu, O., Vanario-Alonso, C. E., Sharp, D. H., Samsonova, M., Reinitz, J. (2009) Canalization of gene expression in the *Drosophila* blastoderm by dynamical attractors. *PLoS Computational Biology* 5: e1000303.
- McGillick, Brian E., Balius, Trent E., **Mukherjee, Sudipto**, and Rizzo, Robert C. (In Press) Origins of Resistance to the HIVgp41 Viral Entry Inhibitor T20. *Biochemistry* doi: 10.1021/bi901915g.
- Lang, P. Therese. Brozell, Scott R. **Mukherjee, Sudipto**, Pettersen, Eric F., Meng, Elaine C., Thomas, Veena, Rizzo, Robert C., Case, David A., James, Thomas L., Kuntz, Irwin D. (2009) DOCK 6: Combining techniques to model RNA–small molecule complexes. *RNA* doi:10.1261/rna.1563609

- Myasnikova, E., Surkova, S., **Panok, L.**, Samsonova, M., Reinitz, J. (2009) Estimation of errors introduced by confocal imaging into the data on segmentation gene expression in *Drosophila*. *Bioinformatics* 25: 346 – 352.
- Taskent-Sezgin, H., Chung, J., **Patsalo, V.**, Miyake-Stoner, S. J., Miller, A. M., Brewer, S. H., Mehl, R. A., Green, D. F., Raleigh, D. P. and Carrico, I. (2009) Interpretation of p-cyanophenylalanine fluorescence in terms of solvent exposure and contribution of side-chain quenchers: A combined fluorescence, IR and molecular dynamics study. *Biochemistry* 48(38): 9040-9046.
- Zhang, Peng, **Powell, Reid**, Deng, Yuefan (2010) Interlacing Bypass Rings to Torus Networks for More Efficient Networks. *IEEE Transactions on Parallel and Distributed Systems*. IEEE computer Society Digital Library. IEEE Computer Society, <<http://doi.ieeecomputersociety.org/10.1109/TPDS.2010.89>>
- Basu, A., Mitchell, J. S. B., **Sabhnani, G.** (In Press) Geometric Algorithms for Optimal Airspace Design and Air Traffic Controller Workload Balancing. *ACM Journal of Experimental Algorithmics*.
- Chang S.W., Choi S.H., Li K., **Saint-Fleur, R.**, Huang, C., Shen, T., Ahn, K., Gordon, D., Kim. W., Wu, R., Mendell, N.R., Finch, S.J. (2009) Growth mixture modeling as an exploratory analysis tool in longitudinal quantitative trait loci analysis. *BMC Proceedings* 3(Supplement 7): S112.
- Chang S.W., Choi S.H., Li K., Saint-Fleur, R., Huang, C., **Shen, T.**, Ahn, K., Gordon, D., Kim. W., Wu, R., Mendell, N.R., Finch, S.J. (2009) Growth mixture modeling as an exploratory analysis tool in longitudinal quantitative trait loci analysis. *BMC Proceedings* 3(Supplement 7): S112.
- Huang, C., Li, K., St. Fleur, R., Chang, S.W., Choi, S.H., **Shen, T.**, Shin, S.Y., Finch, S.J., and Mendell, N.R. (2009). Family based analysis of an MI endophenotype: Comparison of sampling designs. *BMC Proceedings* 3(Supplement 7): S120.
- Huang, C., Li, K., St. Fleur, R., Chang, S.W., Choi, S.H., Shen, T., **Shin, S.Y.**, Finch, S.J., and Mendell, N.R. (2009). Family based analysis of an MI endophenotype: Comparison of sampling designs. *BMC Proceedings* 3(Supplement 7): S120.
- Sholokhova, Y.**, Kim, D., Lindquist, W. B. (2009) Network flow modeling via lattice-Boltzmann based channel conductance. *Advances in Water Resources* doi:10.1016/j.advwatres.2008.10.016
- Hu, J., Zhu, W., **Su, Y.**, and Wong, W.K. (In Press) Controlled Optimal Design Program for the Logit Dose Response Model. *Journal of Statistical Software*.
- Tintle, N.L.**, Gordon D., Van Bruggen D., Finch, S. (2009) The cost effectiveness of duplicate genotyping for testing genetic association. *Annals of Human Genetics* 73: 370-378.
- Wang, D.**, Clark, B. L., and Jiao, X. (2009) An Analysis and Comparison of Parameterization-Based Computation of Differential Quantities for Discrete Surfaces. *Computer Aided Geometric Design* 26(5): 510-527.
- van der Lelie, D., Taghavi, S., Monchy, S., Schwender, J., Miller, L., Ferrieri, R., Rogers, A., **Wu, X.**, Zhu, W., Weyens, N., Vangronsveld, J., and Newman, L. (2009) Poplar and its Bacterial Endophytes: Coexistence and Harmony. *Critical Reviews in Plant Sciences* 28(5): 346 -358.
- Laxmi, Y.R., Liu, X., Suzuki, N., Kim, S.Y., Okamoto, K., Kim, H.J., **Zhang, G.**, Chen, J.J., Okamoto, Y., Shibutani, S. (2010) Anti-Breast Cancer Potential of SS1020, a Novel Antiestrogen Lacking Estrogenic and Genotoxic Actions. *International Journal of Cancer* doi: 10.1002/ijc.25167
- Duan, C.J., Liang, Z.R., Bao, S.L., Zhu, H.B., Wang, S., **Zhang, G.**, Chen, J.J., Lu, H.B. (2010) Coupled Level Set Framework for Bladder Wall Segmentation with Application to MR Cypography. *IEEE Transactions on Medical Imaging* 29(3): 903-915.
- Wagshul, M.E., McAllister, J.P., Rashid, S., Li, J., Egnor, M.R., Walker, M.L., Yu, M., Smith, S.D., **Zhang, G.**, Chen, J.J., Benveniste, H. (2009) Ventricular Dilation and Elevated Aqueductal Pulsations in a New Experimental Model of Communicating Hydrocephalus. *Experimental Neurology* 218(1): 33-40.

- Cervo, F.A., Bruckenthal, P., Chen, J.J., Bright-long, L.E., Fields, S., **Zhang, G.**, Strongwater, I. (2009) Pain Assessment in Nursing Home Residents with Dementia: Psychometric Properties and Clinical Utility of the CNA Pain Assessment Tool (CPAT). *Journal of the American Medical Directors Association* 10(7): 505-510.
- Zhang, Peng**, Powell, Reid, Deng, Yuefan (2010) Interlacing Bypass Rings to Torus Networks for More Efficient Networks. *IEEE Transactions on Parallel and Distributed Systems*. IEEE computer Society Digital Library. IEEE Computer Society, <<http://doi.ieeecomputersociety.org/10.1109/TPDS.2010.89>>
- Li, X., Glimm, J., Jiao, X., Peyser C., and **Zhao, Y.** (2010) Study of crystal growth and solute precipitation through front tracking method. *Acta Mathematica Scientia* 20: 377-290.
- Zou, J.**, Krozel, J., Krozel, J., and Mitchell, J.S.B. (2009) Two methods for computing directional capacity given convective weather constraints. *Proc. AIAA Guidance, Navigation, and Control Conference*. American Institute of Aeronautics and Astronautics, Chicago, IL.
- Kim, J., Mitchell, J.S.B., and **Zou, J.** (2009) Routing parallel and merging lanes. *Proc. 19th Fall Workshop on Computational and Combinatorial Geometry*. Tufts University, Medford, MA.
- Arkin, E.M., Fekete, S.P., Kim, J., Mitchell, J.S.B., Sabhnani, G.R., and **Zou, J.** (2009) The pencil packing problem. *Proc. 19th Fall Workshop on Computational and Combinatorial Geometry*. Tufts University, Medford, MA.
- Kim, J., **Zou, J.**, Mitchell, J.S.B., Krozel, J. (2009) Sensitivity of capacity estimation results subject to convective weather forecast errors. *Proc. AIAA Guidance, Navigation, and Control Conference*. American Institute of Aeronautics and Astronautics, Chicago, IL.

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

- Au, Loretta** and Green, David F. (2009) Understanding the association of G-protein subunits using *in silico* protein design. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Au, Loretta** and Green, David F. (2010) Computational and statistical methods in understanding the relationships of heterotrimeric G-protein subunits. *New York Academy of Science Structural Biology Discussion Group Winter Meeting*. New York, NY. *New York Theoretical and Computational Chemistry Conference*. New York, NY.
- Mukherjee, Sudipto, **Balius, Trent E.**, Goyal, Rashi, Holden, Patrick, Huang, Yulin, Ascher, Kenneth, Rizzo, Robert C. (2009) Optimization of DOCK for Virtual Screening. *23rd Annual Meeting of Groups Studying the Structures of AIDS-related Systems and Their Application to targeted Drug Design*. NIH, Bethesda, MD.
- Balius, Trent E.**, Rizzo, Robert C. (2009) Prediction of Fold Resistance for Inhibitors of EGFR using All-atom Molecular Dynamics Simulations. *238th American Chemical Society National Meeting & Exposition*. Washington, D.C.
- Balius, Trent E.**, Rizzo, Robert C. (2010) Computational prediction of fold resistance in EGFR drug resistance. *239th American Chemical Society National Meeting & Exposition*. San Francisco, CA.
- Bo, W.** (2010) Primary Breakup of a High Speed Liquid Jet. *62nd Annual Meeting of the APS Division of Fluid Dynamics*. Minneapolis, MN.
- Bo, W.** (2010) HPC for Primary Breakup of a Diesel Jet. *Minisymposium on Scaling Challenges in Massively Parallel Computing, SIAM Conference on Parallel Processing and Scientific Computing*. Seattle, WA. (invited speaker)
- Li, X. **Bo, W.** Glimm, J. Zhang F. and Zhao, Y. (2009) Front Tracking and Applications to Fluid Instabilities, Phase Transition and Financial Derivatives. *The IMACS World Congress*. Athens, GA.

- Carrascal, Noel** and Green, David F. (2009) Understanding G-alpha function with energetic component analysis. *European Symposium of the Protein Society*. Zurich, Switzerland.
- Carrascal, Noel** and Green, David F. (2009-2010) Dissecting heterotrimeric G-protein function with energetic component analysis. *Protein Society Symposium*. Boston, MA. *New York Structural Biology Discussion Group Summer Meeting*. Cold Spring Harbor, NY. *Laufer Center for Computational Biology and Genome Sciences Inaugural Symposium*. Stony Brook, NY. *New York Theoretical and Computational Chemistry Conference*. New York, NY. *New York Structural Biology Discussion Group Winter Meeting*. New York, NY.
- Xing, Haipeng, Sun, Ning and **Chen, Ying**. (2010) Credit Rating Dynamics in the Presence of Structural Breaks. *Joint Statistical Meetings*. Vancouver, BC.
- Cru, David** and Hu, Jiaqiao. (2009) Dynamic Hedge Fund Asset Allocation Under Multiple Regimes. *INFORMS Annual Meeting*. San Diego, CA.
- Dyedov, V.**, Einstein, D. R., Jiao, X., Kuprat, A. P., Wang, D. (2009) Extensions and Comparisons of Generation of Hybrid Prism-Tetrahedron Meshes with Biomedical Applications. *10th U.S. National Congress on Computational Mechanics*, Columbus, OH.
- Li, X., Bo, W., **Fix, B.**, Glimm, J., Kim, J. (2010) Front tracking and its coupling with convection dominated problems. *Departmental Colloquium*. Wichita State University, Wichita, KS.
- Fujimoto, Yukiji K.** and Green, David F. (2009-2010) Understanding specific carbohydrate recognition by the antiviral lectin Cyanovirin-N. *Protein Society Symposium*. Boston, MA. *Laufer Center for Computational Biology and Genome Sciences Inaugural Symposium*. Stony Brook, NY. *New York Structural Biology Discussion Group Winter Meeting*. New York, NY. *New York Theoretical and Computational Chemistry Conference*. New York, NY.
- Samulyak, R., Wei, H., **Guo, T.** (2009) Multi-Physics Simulations of the Failure of Fuel Rods During Accidents in Sodium-Cooled Fast Reactors. *Workshop on Characterization of Advanced Materials Under Extreme Environments for the Next Generation Energy Systems*. Brookhaven National Laboratory, Upton, NY.
- Hu, Ping** and Hu, Jiaqiao (2009) On the Performance of the Cross-Entropy Method. *The 2009 Winter Simulation Conference*. Austin, TX.
- Iwerks, J.** (2009) Guarding Polyominoes. *Fall Workshop on Computational Geometry 2009*. Tufts University, Medford, MA.
- Jiang, Tao** and Green, David F. (2009) Global Parametric Analysis of Heterotrimeric G-protein Signaling. *The 23rd Symposium of the Protein Society*. Boston, MA. *New York Structural Biology Discussion Group Summer Meeting*. Cold Spring Harbor, NY. *3rd Annual ICB&DD Symposium*. Stony Brook, NY. *The Inaugural Symposium of the Laufer Center for Computational Biology and Genome Sciences*. Stony Brook, NY. *Chemistry Research Day*. Stony Brook, NY.
- Li, X., Bo, W., Fix, B., Glimm, J., **Kim, J.** (2010) Front tracking and its coupling with convection dominated problems. *Departmental Colloquium*. Wichita State University, Wichita, KS.
- Lim, HyunKyung** (2009) Subgrid Models for Mass and Thermal Diffusion in Turbulent Mixing. *SIAM Conference on Computational Science and Engineering (CSE09)*. Miami Hilton, Miami, FL.
- Patsalo, Vadim**, Raleigh, Daniel P, and Green, David F. (2009) Thermostabilization of Cyanovirin-N by Rational Protein Design. *The 24th Annual Meeting of the Groups Studying the Structures of AIDS-Related Systems and Their Application to Targeted Drug Design*. Bethesda, MD. *Protein Society Symposium*. Boston, MA. *New York Structural Biology Discussion Group Summer Meeting*. Cold Spring Harbor, NY. *The Inaugural Symposium of the Laufer Center for Computational Biology and Genome Sciences*. Stony Brook, NY.
- Patsalo, Vadim**, Raleigh, Daniel P, and Green, David F. (2010) Rational Stabilization of Cyanovirin-N. *Joint Meeting of NY Protein Engineering Groups*. Rutgers University, New Brunswick, NJ.

- Mukherjee, Sudipto**, Balius, Trent E., Goyal, Rashi, Holden, Patrick, Huang, Yulin, Ascher, Kenneth, Rizzo, Robert C. (2009) Optimization of DOCK for Virtual Screening. *23rd Annual Meeting of Groups Studying the Structures of AIDS-related Systems and Their Application to targeted Drug Design*. NIH, Bethesda, MD.
- Mukherjee, Sudipto**, Balius, Trent E., Rizzo, Robert C. (2009) Algorithmic improvements in DOCK6 for enhanced conformational sampling. *238th American Chemical Society National Meeting & Exposition*. Washington, D.C.
- Xing, Haipeng, **Sun, Ning** and Chen, Ying. (2010) Credit Rating Dynamics in the Presence of Structural Breaks. *Joint Statistical Meetings*. Vancouver, BC.
- Dyedov, V., Einstein, D. R., Jiao, X., Kuprat, A. P., **Wang, D.** (2009) Extensions and Comparisons of Generation of Hybrid Prism-Tetrahedron Meshes with Biomedical Applications. *10th U.S. National Congress on Computational Mechanics*, Columbus, OH.
- Samulyak, R., **Wei, H.**, Guo, T. (2009) Multi-Physics Simulations of the Failure of Fuel Rods During Accidents in Sodium-Cooled Fast Reactors. *Workshop on Characterization of Advanced Materials Under Extreme Environments for the Next Generation Energy Systems*. Brookhaven National Laboratory, Upton, NY.
- Samulyak, Roman, Parks, Paul, **Wu, Lingling**. (2009) Simulation of Formation and Implosion of Plasma Liners for Magnetized Target Fusion. *51st Annual Meeting of the Division of Plasma Physics*. Atlanta, GA.
- Zhang, G.**, Chen, J.J. (2010) Adaptive Fitting of Linear Mixed-Effects Models with Correlated Random-effects. *SIAM Conference on Data Mining (SDM10)*. Columbus, OH.
- Li, X. Bo, W. Glimm, J. **Zhang, F.** and Zhao, Y. (2009) Front Tracking and Applications to Fluid Instabilities, Phase Transition and Financial Derivatives. *The IMACS World Congress*. Athens, GA.
- Li, X. Bo, W. Glimm, J. Zhang F. and **Zhao, Y.** (2009) Front Tracking and Applications to Fluid Instabilities, Phase Transition and Financial Derivatives. *The IMACS World Congress*. Athens, GA.
- Li, X. L. **Zhao, Y.** and Jiao, X. (2009) FronTier and Application to the Simulation of Crystal Growth. *10th US National Congress on Computational Mechanics*. Columbus, OH.

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

Chang, S.W. (2009) Post-doctoral fellow. Institute of Biomedical Sciences, *Academia Sinica*, Taipei, Taiwan.

❖ **Internship Appointments**

Dyedov, Vladimir. (2009) Summer Intern. *Idaho National Laboratory*, Idaho Falls, ID.

ART

GRADUATE DIRECTOR (PH.D.): JOSEPH MONTEYNE
(MFA): STEPHANIE DINKINS
DEPARTMENT CHAIR: ANITA MOSKOWITZ

❖ Grants, Fellowships, and Awards

- Grove, Jaleen.** (2009) Doctoral Fellowship, \$20,000 renewable for four years. *Social Sciences and Humanities Research Council of Canada (SSHRC)*, Ottawa, ON.
- English, Travis.** (2010) Walter Read Hovey Memorial Fund Scholarship in Art History, \$3,000. *The Pittsburgh Foundation*, Pittsburgh, PA.
- Modigliani, Leah.** (2009) Travel Grant, \$750. *Canada Council for the Arts*, Ottawa, ON.
- De la Maza Chevesich, Josefina.** (2010) SSRC-ACLS International Dissertation Research Fellowship (IDRF), \$18,500. *Social Sciences Research Council*, New York, NY.
- De la Maza Chevesich, Josefina.** (2009) Becas Chile de Doctorado, \$20,000. *Becas Chile/Conicyt*, Santiago, Chile.

❖ Singly Authored Publications/Research Reports/Reviews

- Modigliani, Leah.** (2009) Colette Whiten. *cmagazine 104* (Winter): 49-50.
- Modigliani, Leah.** (2009) Annie Pootoogook's Drawings of Contemporary Inuit Life. *cmagazine 103* (Autumn): 46-47.
- Modigliani, Leah.** (2009) The Hugo Boss Prize, 2008: Emily Jacir. *cmagazine 102* (Summer): 53-54.
- Modigliani, Leah.** (2009) Nathalie Djurberg. *cmagazine 101* (Spring): 49-50.
- MacQueen, Kathleen.** (In Press) Review of Krzysztof Wodiczko's *City of Refuge*. *The Art Book 17*(2)
- MacQueen, Kathleen.** (In Press) Review of Alfredo Cramerotti's *Aesthetic Journalism*. *The Art Book 17*(3)
- MacQueen, Kathleen.** (2010) Face-to-face: A Conversation with Hans Haacke. *Seachange 1*(1) www.seachangejournal.ca due on line 4/22/2010
- MacQueen, Kathleen.** (2010) Face-to-face: Hans Haacke confronts war, democracy, and the State of the Union." *Seachange 1*(1) www.seachangejournal.ca due on line 4/22/2010
- Macchiavello, Carla.** (2009) Saliendo de un sueño bajo una cama, subiendo nuevamente al muro: El deseo de expansión en Mario Carvajal y su legado actual. In *Mario Carvajal*. Santiago: Galería Concreta, Matucana 100.
- Macchiavello, Carla.** (In Press) Vento Caldo: El cuerpo en las esculturas electrónicas de Juan Downey. In *Juan Downey - El Ojo Pensante*. Santiago: Fundación Telefónica.

❖ Conferences/Colloquiums, Presentations, Symposiums, Workshops

- Grove, Jaleen.** (2009) The Case of the Missing Chimera in Laurent de La Hyre's Allegories of the Seven Liberal Arts. *University Art Association of Canada*. University of Alberta, Edmonton, AB.
- Grove, Jaleen.** (2010) The Glamour Girl Racket: Realism and Idealism in Arthur William Brown's Illustrations. *Popular Culture Association*. Renaissance Hotel, St. Louis, MO.

- Macchiavello, Carla.** (2010) Líneas cruzadas: Política y nacionalismo en el arte conceptual chileno entre 1974 y 1983. *Departamento de Arte. Universidad de Los Andes.* Bogotá, Colombia.
- Goldstein, Jennie.** (2010) Projected Bodies in Lucinda Childs's Interdisciplinary *Dance*, 1979. *The Graduate Student Association of Visual Culture Conference.* Pennsylvania State University, State College, PA.
- Hellstein, Valerie.** (2009) Laying the Groundwork: Mystical Modernism in the 1930s. *Early American Modernism and Religion Symposium.* Emmanuel College, Boston, MA.
- Modigliani, Leah.** (2010) The Age of Enlargement. *College Art Association Annual Conference.* Chicago, IL. (Chair of Panel Discussion)
- MacQueen, Kathleen.** (2010) Collective Conviction: Krzysztof Wodiczko's *Inner Public*. *The Third Annual Philosophy and Arts Conference,* Stony Brook Manhattan, New York, NY.
- De la Maza Chevesich, Josefina.** (2010) From Metropolitan Decadence to Provincial Success: Raymond Q. Monvoisin and the Chilean Post-Independent Elite During the 1840s. *Spring Conference of History, Theory, and Criticism of Art and Architecture, In the Distance.* MIT, Cambridge, MA.
- De la Maza Chevesich, Josefina.** (2010) Picturing a New Nation: Early Portraiture Practices in 19th Century Chile. *XXX ILASSA Student Conference.* University of Texas at Austin, Austin, TX.
- De la Maza Chevesich, Josefina.** (2009) Portraying Republican Pride: Picturing Republican Bodies in 19th Century Chile. *Fall conference of Latin American Studies, Unsettling Decadence.* John Hopkins University, Baltimore, MD.
- De la Maza Chevesich, Josefina.** (2009) Young Chilean Artists and the History of Chilean Art. *Copying Eden. Recent Art in Chile.* The King Juan Carlos of Spain Center, New York University, New York, NY.

❖ **Internship Appointments**

- Gadoury, Julianne.** (2009) Studio Intern (Installation/ Pulp/ papermaking). *Dieu Donne Papermill,* New York, NY.
- Granger, Kristine.** (2010) Gallery Intern. *Yancey Richardson Gallery,* New York, NY.
- Rago, Danielle.** (2010) Digital Imaging Intern. *Vanessa Beecroft Studio,* Cold Spring Harbor, NY.

❖ **Exhibitions/Performances**

- Gadoury, Julianne.** (2010) Profile: New York. *The S.P.A.C.E Gallery,* Burlington, VT. (group)
- Gadoury, Julianne.** (2010) Southern Graphics Council Mark Remark Print Exchange Exhibition. *Moore College,* Philadelphia, PA. (group)
- Gadoury, Julianne.** (2010) North Shore Artist Guild. *Perry B. Duryea Building,* Hauppauge, NY. (group)
- Gadoury, Julianne.** (2010) Gadoury, Granger. *Perry B. Duryea Exhibition Space.* Hauppauge, NY. (group)
- Gadoury, Julianne.** (2010) Imprint: Contemporary Printmaking. *Target Gallery, Torpedo Factory Art Center,* Alexandria, VA. (group)
- Gadoury, Julianne.** (2009) Small World, Small Works. *Chico Art Center,* Chico, CA. (group)
- Gadoury, Julianne.** (2009) die Zeit of Drawing. *Climate/Gallery,* Long Island City, NY. (group)
- Gadoury, Julianne.** (2009) (Un)Bound. *Enoch Pratt Free Public Library,* Baltimore, MD. (group)
- Hess, Dan.** (2009) Art at the X, Celebrating Women. *Xavier University Art Gallery,* Xavier University, Cincinnati, OH. (national juried exhibition)

- Kruglinski, Jennifer.** (2009) Reflections on the Electric Mirror: New Feminist Video and the Legacy of New Media & Modernism. *Gallery North*, New York, NY.
- Modigliani, Leah.** (2009) The Tongue is the Rudder of Our Ship. *Third Space Gallery*, St. John, NB. (solo)
- Modigliani, Leah.** (2009) Arena: Road Game. *Museum of Contemporary Canadian Art*, Toronto, ON. (group)
- Modigliani, Leah.** (2009) Arena: Road Game. *Musée Juste Pour Rire*, Montreal, QC. (group)
- Modigliani, Leah.** (2010) Hockey Town. *Latcham Gallery*, Stouffville, ON. (group). *Art Gallery of Southwestern Manitoba*, Brandon, MB. (group)
- MacQueen, Kathleen.** (2010) Poetry Reading. *Cine Capellini*, New York, NY. (group)
- Westendarp, Francisco.** (2009) *Festival de Cinémas Différents*. Paris, France. (group)
- Westendarp, Francisco.** (2010) (ready)Media: arqueología de los medios y la invención en México. *Laboratorio Arte Alameda*, Mexico City, Mexico. (group)
- Westendarp, Francisco.** (2010) V=d/t. *Museo de la Ciudad de Queretaro*, Santiago de Queretaro, Mexico. (solo)

BIOCHEMISTRY AND STRUCTURAL BIOLOGY

GRADUATE DIRECTOR: ERWIN LONDON
DEPARTMENT CHAIR: ROBERT HALTIWANGER

❖ Jointly Authored Publications/Research Reports/Reviews

Ge, Zhiyun, Karzai, AW. (2009) Co-evolution of multipartite interactions between an extended tmRNA tag and a robust Lon protease in *Mycoplasma*. *Mol Microbiol.*74(5): 1083-99.

Shahidullah, Khurshida, **Krishnakumar, Shyam S.**, and London, Erwin (2010) The Effect of Hydrophilic Substitutions and Anionic Lipids Upon the Transverse Positioning of the Transmembrane Helix of the Erb b2 (neu) Protein Incorporated into Model Membrane Vesicles. *J. Mol. Biol.* 396(1): 209-220.

Schalch, T., Job, G., Noffsinger, V.J., Shanker, S., **Kuscu, C.**, Joshua-Tor, L., and Partridge, J.F. (2009) High affinity binding of Chp1 chromodomain to K9 methylated histone H3 is required to establish centromeric heterochromatin. *Mol. Cell* 34: 36-46.

Verma, P., Ostermeyer-Fay, A. G., and Brown, D. A. (In Press) Actomyosin Interactions Exert Tension On Membrane Tubules Induced By Caveolin-1 Expression In Breast Cancer Cells. *Mol. Biol. Cell*.

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

Kim, Ah-Ram, Ionides, John, Martinez, Carlos, and Reinitz, John. (2009) When Two Plus Two Doesn't Equal Four: Modeling NonAdditive Enhancer Behavior in the *Drosophila melanogaster eve* Promoter. *Chicago Center for Systems Biology(CCSB) 1st Annual Retreat*, Chicago, IL.

Kim, Ah-Ram, Ionides, John, Martinez, Carlos, and Reinitz, John. (2009) When Two Plus Two Doesn't Equal Four: Modeling NonAdditive Enhancer Behavior in the *Drosophila melanogaster eve* Promoter. *RECOMB Systems Biology*, Boston, MA. (poster)

Chaubard, J.-L., Leonhard-Melief, C., **Shareffi, E.-A.**, Wong, C.-H., Holdener, B.C., and Haltiwanger, R.S. (2009) Identification of O-Fucosylated Proteins using a Bioorthogonal Reporter Strategy. *Glycobiology* 19: 1337a.

BIOMEDICAL ENGINEERING

GRADUATE DIRECTOR: HELMUT STREY

DEPARTMENT CHAIR: CLINTON RUBIN

❖ Grants, Fellowships, and Awards

Alemu, Yared. (2009) BMES Student Travel Award, \$400. *Biomedical Engineering Society (BMES)*, Landover, MD.

Xenos, M., Rambhia, S., **Alemu, Y.**, Einav, S., Ricotta, J., Labropoulos, N., Apostolos, T., Bluestein, D. (2009) 2nd place Mimics Innovation Awards. *Materialise*, Leuven, Belgium.

Georgi, Melissa. (2010) Cardiovascular Section Research Recognition Award, \$500. *American Physiological Society*, Bethesda, MD.

Krishnamoorthy, Srilalan. (2010) Excellence in Research Award. *Sigma Xi - Stony Brook University Chapter*, Stony Brook, NY.

Jia, Zhiheng. (2010) Sigma Xi Excellence in Research Award. *Sigma Xi - Stony Brook University Chapter*, Stony Brook, NY.

Sheriff, Jawaad. (2009) Travel Award, \$400. *Biomedical Engineering Society*, Pittsburgh, PA.

❖ Jointly Authored Publications/Research Reports/Reviews

Acerbo, Alvin S., & Miller, Lisa M. (2009) Assessment of the chemical changes induced in human melanoma cells by boric acid treatment using infrared imaging. *Analyst* 134(8): 1669-1674.

Xenos, M., Girdhar, G., **Alemu, Y.**, Jesty, J., Slepian, M., Einav, S. & Bluestein, D. (In Press) Device Thrombogenicity Emulator (DTE) – Design optimization Methodology for Cardiovascular Devices: A Study in Two Bileaflet MHV Designs. *Journal of Biomechanics*.

Claiborne, T.E., Bluestein, D. & Schoepfoerster, R.T. (2009) Development and evaluation of a novel artificial catheter-deliverable prosthetic heart valve and method for in vitro testing. *The International Journal of Artificial Organs* 32(5): 262-271.

Falabella, Christine & Chen, W. (2010) Cross-linked hyaluronic acid films to reduce intra-abdominal postsurgical adhesions in an experimental model. *Digestive Surgery* 26(6): 476-481.

Nègre, N., Brown, C.D., Shah, P.K., Kheradpour, P., Morrison, C.A., Henikoff, J.G., **Feng, X.**, Ahmad, K., Russell, S., White, R.A., Stein, L., Henikoff, S, Kellis, M, & White, K.P. (2010) A Comprehensive Map of Insulator Elements for the Drosophila Genome. *PLoS Genet* 6(1): e1000814.

Georgi, M.K.B, Dewar, A. & Frame, M.D. (In Press) Downstream Exposure to Growth Factors Causes Elevated Velocity and Dilation in Arteriolar Networks. *Journal of Vascular Research*.

Jia, Zhiheng, Bien, Harold & Entcheva, Emilia (2010) Detecting space-time alternating biological signals close to the bifurcation point. *IEEE Trans Biomed Eng.* 57(2): 316-24.

Yuan, Z, **Luo, Z.,** Ren, H., Du, C. & Pan, Y. (2009) A digital frequency ramping method for enhancing Doppler flow imaging in Fourier-domain optical coherence tomography. *Opt. Express* 17: 3951-3963.

Luo, Z., Yuan, Z., Pan, Y. & Du, C. (2009) Simultaneous imaging of cortical hemodynamics and blood oxygenation change during cerebral ischemia using dual-wavelength laser speckle contrast imaging. *Opt. Lett.* 34: 1480-1482.

- Luo, Z.,** Yuan, Z., Tully, M., Pan, Y. & Du, C. (2009) Quantification of cocaine-induced cortical blood flow changes using laser speckle contrast imaging and Doppler optical coherence tomography. *Appl. Opt.* 48: D247-D255.
- Ren, Hugang,** Yuan, Z.J., Liu, J.X. & Pan, Y.T. (In Press) Enhancing the Detection of Carcinoma in situ of the Urinary Bladder by Three-dimensional Optical Coherence Tomography. *Journal of Urology*.
- Ren, Hugang,** Waltzer, W.C., Bhalla, R., Liu, J.X., Yuan, Z.J., Lee, C.S., Darras, F., Schulsinger, D., Adler, H.L., Kim, J., Mishail, A. & Pan, Y.T. (2009) Diagnosis of Bladder Cancer With Microelectromechanical Systems-based Cystoscopic Optical Coherence Tomography. *Urology* 74(6): 1351-1357.
- Yuan, Z.J., Zakhaleva, J., **Ren, Hugang,** Liu, J.X., Chen, W. & Pan, Y.T. (2010) Noninvasive and High-Resolution Optical Monitoring of Healing of Diabetic Dermal Excisional Wounds Implanted with Biodegradable In Situ Gelable Hydrogels. *Tissue Engineering Part C: Methods* 16(2): 237-247.
- Yuan, Z.J., Luo, Z. C., **Ren, Hugang,** Du, C.W. & Pan, Y.T. (2009) A Digital Frequency Ramping Method for Enhancing Doppler Flow Imaging in Fourier-Domain Optical Coherence Tomography. *Optics Express* 17(5): 3951-3963.
- Yuan, Z.J., Chen, B., **Ren, Hugang** & Pan, Y.T. (2009) On the Possibility of Time-lapse Ultrahigh-resolution Optical Coherence Tomography for Bladder Cancer Grading. *Journal of Biomedical Optics* 14(5): 050502.
- Ren, Hugang,** Waltzer, W.C., Bhalla, R., Liu, J.X., Yuan, Z.J., Lee, C.S., Darras, F., Schulsinger, D., Adler, H.L., Kim, J., Mishail, A. & Pan, Y.T. (2009) Diagnosis of Bladder Cancer With Microelectromechanical Systems-based Cystoscopic Optical Coherence Tomography. *Urology* 74(6):1351-7.
- Yuan, Z.J., Zakhaleva, J., **Ren, Hugang,** Liu, J.X., Chen, W. & Pan, Y.T. (2010) Noninvasive and High-Resolution Optical Monitoring of Healing of Diabetic Dermal Excisional Wounds Implanted with Biodegradable In Situ Gelable Hydrogels. *Tissue Engineering Part C: Methods* 16(2): 237-247.
- Yuan, Z.J., Luo, Z. C., **Ren, Hugang,** Du, C.W. & Pan, Y.T. (2009) A Digital Frequency Ramping Method for Enhancing Doppler Flow Imaging in Fourier-Domain Optical Coherence Tomography. *Optics Express* 17(5): 3951-3963.
- Sheriff, Jawaad,** Bluestein, D., Girdhar, G. & Jesty, J. (2010) High-Shear Stress Sensitizes Platelets to Subsequent Low-Shear Conditions. *Ann Biomed Eng* 38(4): 1442-50.
- Tower, A.M., **Trinward, A.,** Lee, K., Joseph, L., Jacobson, H.I., Bennett, J.A. & Andersen, T.T. (2009) AFPeP, a novel drug for prevention and treatment of breast cancer does not disrupt the estrous cycle or fertility in rats. *Oncology Reports* 22(1):49-56.
- Yuan, Z.,** Zakhaleva J, Ren H, Liu J, Chen W. & Pan Y. (2010) Noninvasive and High-Resolution Optical Monitoring of Healing of Diabetic Dermal Excisional Wounds Implanted with Biodegradable *In Situ* Gelable Hydrogels. *Tissue Engineering Part C: Methods* 16: 237-247.
- Yuan, Z.,** Chen, B., Ren, H. & Pan Y. (2009) On the possibility of time-lapse ultrahigh-resolution optical coherence tomography for bladder cancer grading. *J. Biomed. Opt.* 14: 050502.

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

- Acerbo, Alvin S.** (2009) ImmunoGold Silver Staining Workshop. *Aurion and Electron Microscopy Sciences Workshops*. University of Florida, Miami, FL.
- Acerbo, Alvin S.** (2009) Rapid Determination of Bone Chemical Composition and Distribution En Block using Synchrotron-Based Fourier Transform Infrared Imaging. *ASBMR 31st Annual Meeting*. Denver, CO.

- Acerbo, Alvin S.** (2009) Assessment of the Chemical Changes Induced in Human Melanoma Cells by Boric Acid Treatment using Infrared Imaging. *Joint NSLS and CFN Users' Meeting*. Brookhaven National Laboratory, Upton, NY.
- Adler, Benjamin,** Ozcivici, Engin, Luu, Yen-Kim. Judex, Stefan & Rubin, Clinton (2009) Proliferation of Bone Marrow Derived Hematopoietic Stem Cells Stimulated by a High Fat Diet is Suppressed by Low Magnitude Mechanical Signals. *American Society of Bone and Mineral Research Annual Meeting*. Denver, CO.
- Bluestein, D., Xenos, M., Girdhar, G., Sheriff, J., Claiborne, T., **Alemu, Y.**, Einav, S. & Jesty, J. (2009) Optimizing the Thrombogenic Performance of Blood Recirculating Devices. *FDA / NHLBI / NSF Workshop on Computer Methods for Cardiovascular Devices*. Rockville, MD.
- Xenos, M., **Alemu, Y.**, Girdhar, G., Sheriff, J., Jesty, J., Einav, S. & Bluestein, D. (2009) Optimizing Prosthetic Valves Thrombogenic Performance Combining Numerical and Experimental Approach. *BMES Annual Fall Meeting*. Pittsburgh, PA.
- Xenos, M., Rambhia, S., **Alemu, Y.**, Einav, S., Ricotta, J.J., Labropoulos, N., Tassiopoulos, A., & Bluestein, D. (2009) Patient Based FSI Approach for predicting Abdominal Aortic Aneurysms Risk of Rupture. *BMES Annual Fall Meeting*. Pittsburgh, PA.
- Girdhar, G., Sheriff, J., Xenos, M., **Alemu, Y.**, Claiborne, T., Slepian, M., Jesty, J., Einav, S. & Bluestein, D. (2009) Dynamic Shear Stress Induced Platelet Activation in Blood Recirculation Devices: Implications for Thrombogenicity Minimization. *Proceedings of the ASME 2009 Summer Bioengineering Conference*. Lake Tahoe, CA.
- Xenos, M., Rambhia, S., **Alemu, Y.**, Einav, S., Ricotta, J.J., Labropoulos, N., Tassiopoulos, A. & Bluestein, D. (2009) A Patient Based Approach for Fluid Structure Interaction in Ruptured Abdominal Aortic Aneurysms. *Proceedings of the ASME 2009 Summer Bioengineering Conference*. Lake Tahoe, CA.
- Xenos, M., **Alemu, Y.**, Girdhar, G., Einav, S. & Bluestein, D. (2009) Turbulent and Direct Numerical Simulations for Optimizing Mechanical Heart Valve Designs. *Proceedings of the ASME 2009 Summer Bioengineering Conference*. Lake Tahoe, CA.
- Sheriff, Jawaad, **Chiu, P.**, Hoque, M., Jesty, J., & Bluestein, D. (2009) *In Vitro* Measurements of Shear-Induced Platelet Sensitization and Activation Thresholds. *2009 BMES Annual Fall Meeting*. Pittsburgh, PA.
- Girdhar, G., Sheriff, J., Xenos, M., Alemu, Y., **Claiborne, T.**, Slepian, M., Jesty, J., Einav, S. & Bluestein, D. (2009) Dynamic Shear Stress Induced Platelet Activation in Blood Recirculation Devices: Implications for Thrombogenicity Minimization. *Proceedings of the ASME 2009 Summer Bioengineering Conference*. Lake Tahoe, CA.
- Bluestein, D., Xenos, M., Girdhar, G., Sheriff, J., **Claiborne, T.**, Alemu, Y., Einav, S. & Jesty, J. (2009) Optimizing the Thrombogenic Performance of Blood Recirculating Devices. *FDA / NHLBI / NSF Workshop on Computer Methods for Cardiovascular Devices*. Rockville, MD.
- Girdhar, G., **Claiborne, T.**, Sheriff, J., Slepian, M., Einav, S., Jesty, J. & Bluestein, D. (2009) Platelet activity measurement in the CardioWest Total Artificial Heart (TAH) and in Ventricular Assist Device with Trileaflet Polymer Valves. *Biomedical Engineering Society Annual Fall Meeting*. Pittsburgh, PA.
- Claiborne, T.E.**, Girdhar, G., Sheriff, J., Jesty, J., Slepian, M.J., Benkowski, R., Pinchuk, L., & Bluestein, D. (2010) In-vitro Thrombogenicity Assessment of Mechanical Circulatory Support Devices and Prosthetic Heart Valves. *ASME Summer Bioengineering Conference*. Naples, FL.
- Chen, W., **Falabella, Christine**, Weng, L., Zakhaleva, J., Melendez, M. (2009) Chitosan based in situ gelable hydrogel for modulating wound healing. *Proceedings of the 11th International Conference on Chitin and Chitosan & The 8th Asia-Pacific Chitin and Chitosan Symposium*. Taipei, Taiwan.

- Feng, Xin** & Stein, Lincoln (2009) Genome-wide survey of D melanogaster insulator proteins binding preferences in genes. *RECOMB Regulatory Genomics, Systems Biology, DREAM*. Boston, MA.
- Feng, Xin**, Zheng, Zha, Chengyi, Liu, Liya, Wang & Stein, Lincoln. (2010) Get all ChIP-Seq peaks in one click: Two integrated pipelines for the modENCODE peak recalling project. *ENCODE and modENCODE Consortia*. Washington, D.C.
- Georgi, M.K.B.**, Sharma, S. & Frame, M.D. (2009) Microvascular flow patterns are altered in leptin deficient mice. *Frontiers in Microcirculation, Fall Meeting of the Microcirculatory Society*. Columbia, MO.
- Georgi, M.K.B.**, Vigilance, J., Dewar, A. & Frame, M.D. (2010) Arteriolar rarefaction in murine skeletal muscle linked to shear rate and plasma cytokine dysregulation. *Experimental Biology*. Anaheim, CA.
- Adler, Benjamin, **Ozcivici, Engin**, Luu, Yen-Kim, Judex, Stefan & Rubin, Clinton (2009) Proliferation of Bone Marrow Derived Hematopoietic Stem Cells Stimulated by a High Fat Diet is Suppressed by Low Magnitude Mechanical Signals. *American Society of Bone and Mineral Research Annual Meeting*. Denver, CO.
- Xenos, M., **Peter, D.A.**, Rambhia, S.H., Alemu, Y. & Bluestein, D. (2010) Fluid Structure Interaction for Patient Specific Risk Assessment in Abdominal Aortic Aneurysms. *36th Annual Northeast Bioengineering Conference*. New York, NY.
- Jia, Zhiheng**, Gordon, Chris, Bien, Harold, Brink, Peter & Entcheva, Emilia (2009) Anti-arrhythmic Effects of 4-phenylbutyrate (4PB) in Cardiac Myocytes. *American Heart Association: Scientific Sessions*. Orlando, FL.
- Ravindranath, Bosky**, Junnarkar, S., Maramraju, S.H., Southehal, S., Purschke, M., Stoll, S., Tomasi, D., Vaska, P., Woody, C. & Schlyer, D. (2009) Initial results from the BNL dedicated simultaneous PET-MRI breast imaging system prototype. *SNM's 56th Annual Meeting*. Toronto, ON.
- Ravindranath, Bosky**, Junnarkar, S.S., Purschke, M.L., Maramraju, S.H., Hong, X., Tomasi, D., Bennett, D., Cheng, K., Southehal, S.S., Stoll, S.P., Pratte, J.-F., Vaska, P., Woody, C.L & Schlyer, D.J. (2009) Results from prototype II of the BNL simultaneous PET-MRI dedicated breast scanner. *IEEE Nuclear Science Symposium and Medical Imaging Conference*. Orlando, FL.
- Ravindranath, Bosky**, Junnarkar, S.S., Purschke, M.L., Maramraju, S.H., Southehal, S.S., Stoll, S.P., Pratte, J.-F., Vaska, P., Woody, C.L. & Schlyer, D.J. (2009) 3D tomographic wrist scanner for non-invasive determination of input function. *IEEE Nuclear Science Symposium and Medical Imaging Conference*. Orlando, FL.
- Ren, Hugang**, Yuan, Z.J., Waltzer, W.C., Kim, J., Liu, J.X., Miles, R. A. & Pan, Y.T. (2010) Enhancing Diagnosis of Bladder Cancer by 2D and 3D Optical Coherence Tomography (OCT). *Biomedical Optics*. Miami, FL.
- Yuan, Z.J., Luo, Z.C., **Ren, Hugang**, Du, C.W. & Pan, Y.T. (2010) Doppler Optical Coherence Tomography for Flow Imaging with Optimized Digital Frequency Ramping Method. *Biomedical Optics*. Miami, FL. (poster)
- Georgi, M.K.B., **Sharma, S.** & Frame, M.D. (2009) Microvascular flow patterns are altered in leptin deficient mice. *Frontiers in Microcirculation, Fall Meeting of the Microcirculatory Society*. Columbia, MO.
- Sheriff, Jawaad**, Chiu, P., Hoque, M., Jesty, J., & Bluestein, D. (2009) *In Vitro* Measurements of Shear-Induced Platelet Sensitization and Activation Thresholds. *2009 BMES Annual Fall Meeting*. Pittsburgh, PA.
- Xenos, M., Alemu, Y., Girdhar, G., **Sheriff, J.**, Jesty, J., Einav, S. & Bluestein, D. (2009) Optimizing Prosthetic Valves Thrombogenic Performance Combining Numerical and Experimental Approach. *2009 BMES Annual Fall Meeting*. Pittsburgh, PA.

- Girdhar, G., Claiborne, T., **Sheriff, J.**, Slepian, M., Einav, S., Jesty, J. & Bluestein, D. (2009) Platelet activity measurement in the CardioWest Total Artificial Heart (TAH) and in Ventricular Assist Device with Trileaflet Polymer Valves. *Biomedical Engineering Society Annual Fall Meeting*. Pittsburg, PA.
- Claiborne, T.E., Girdhar, G., **Sheriff, J.**, Jesty, J., Slepian, M.J., Benkowski, R., Pinchuk, L., & Bluestein, D. (2010) In-vitro Thrombogenicity Assessment of Mechanical Circulatory Support Devices and Prosthetic Heart Valves. *ASME Summer Bioengineering Conference*. Naples, FL.
- Girdhar, G., **Sheriff, J.**, Xenos, M., Alemu, Y., Claiborne, T., Slepian, M., Jesty, J., Einav, S., & Bluestein, D. (2009) Dynamic Shear Stress Induced Platelet Activation in Blood Recirculation Devices: Implications for Thrombogenicity Minimization. *2009 ASME Summer Bioengineering Conference*. Lake Tahoe, CA.
- Bluestein, D., Xenos, M., Girdhar, G., **Sheriff, J.**, Claiborne, T., Alemu, Y., Einav, S., & Jesty, J. (2009) Optimizing the Thrombogenic Performance of Blood Recirculating Devices. *FDA / NHLBI / NSF Workshop on Computer Methods for Cardiovascular Devices*. Rockville, MD.
- Trinward, Andrea**, Tommasini, Steven M., Lublinski, Svetlana, Miller Lisa M. & Judex, Stefan. (2009) Alendronate and Parathyroid Hormone Interventions Normalize the Bone-Fat Relationship in the OVX Rat Model. *Biomedical Engineering Society Annual Meeting*. Pittsburg PA. (poster)
- Ren, Hugang, **Yuan, Z.J.**, Waltzer, W.C., Kim, J., Liu, J.X., Miles, R. A. & Pan, Y.T. (2010) Enhancing Diagnosis of Bladder Cancer by 2D and 3D Optical Coherence Tomography (OCT). *Biomedical Optics*. Miami, FL.
- Yuan, Z.J.**, Luo, Z.C., Ren, Hugang, Du, C.W. & Pan, Y.T. (2010) Doppler Optical Coherence Tomography for Flow Imaging with Optimized Digital Frequency Ramping Method. *Biomedical Optics*. Miami, FL. (poster)

❖ **Patents**

- Claiborne, T.E.**, Gallocher, S., & Schoepfoerster, R.T. (2009) *Catheter Deliverable Artificial Multi-Leaflet Heart Valve Prosthesis and Intravascular Delivery System for a Catheter Deliverable Heart Valve Prosthesis*. WO/2009/111241.

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

- Cordovez-Alvarez, Juan.** (2009) Assistant Professor. Dept. of Civil & Environmental Engineering, *Universidad de los Andes*, Bogota, Columbia.
- Ferreri, Suzanne.** (2009) Postdoctoral Research Associate. Dept. of Biomedical Engineering, *Stony Brook University*, Stony Brook, NY.
- Luo, Zhongchi.** (2010) Postdoctoral Research Associate. Dept. of Biomedical Engineering, *Stony Brook University*, Stony Brook, NY.
- Ozcivici, Engin.** (2009) Postdoctoral Research Associate. *Massachusetts General Hospital*, Boston, MA.
- Siu, Kin.** (2010) Postdoctoral Research Associate. *UCLA*, Los Angeles, CA.
- Southekal, Sudeepti.** (2009) Research Fellow. Dept. of Radiology, *Brigham Women's Hospital, Harvard Medical School*, Boston, MA.

Biomedical Engineering

❖ Other

Ravindranath, Bosky, Junnarker, S., Maramraju, S.H., Southehal, S., Purschke, M., Stoll, S., Tomasi, D., Vaska, P., Woody, C., Schyler, D. (2009) Initial results from the BNL dedicated simultaneous PET-MRI breast imaging system prototype. *Press Release at SNM's 56th Annual Meeting, Scientific Paper 249.* Toronto, ON.

CHEMISTRY

GRADUATE DIRECTOR: NANCY S. GOROFF

DEPARTMENT CHAIR: BENJAMIN S. HSIAO

❖ Grants, Fellowships, and Awards

- Buannic, Lucienne.** (2010) Student travel grant award, \$1,000. *The Electrochemical Society, Battery Division*. Pennington, NJ.
- Carr, Amber.** (2010) Graduate Student Award in Supercomputing. *American Chemical Society*, Washington, D.C.
- Das, Manisha.** (2009) Travel Award, \$1,217. *Ajinomoto*, Salt Lake City, UT.
- Das, Manisha.** (2009) Travel Award, \$1,376. *Ajinomoto*, Washington, D.C.
- Ding, Fang-Yu.** (2009) American Chemical Society (ACS) Computers in Chemistry Division's Chemical Computing Group (CCG) Excellence Award, \$1,150. *Chemical Computing Group Inc.*, Montreal, QB.
- Dufour, Antoine.** (2009) Poster Award, \$200. *Gordon Conference*, Les Diablerets, Switzerland.
- Liu, Li.** (2010) ASBMB graduate/postdoctoral travel award, \$1250. *The American Society for Biochemistry and Molecular Biology*, Bethesda, MD.
- Liu, Nina.** (2010) ASBMB 2010 Graduate/Postdoctoral travel fellowship, \$1,250. *The American Society For Biochemistry and Molecular Biology (ASBMB)*, Anaheim, CA.
- Morgan, Kellie.** (2009) NSF IGERT 3MT Fellowship, \$30,000. *Stony Brook University*, Stony Brook, NY.
- Neckles, Carla.** (2009-2011) Bridge to the Doctorate Fellowship. *Stony Brook University*, Stony Brook, NY.
- Neckles, Carla.** (2009) SUNY Chancellor's Award for Student Excellence. *University at Albany*, Albany, NY.
- Neckles, Carla.** (2009) President's Award for Leadership. *University at Albany*, Albany, NY.
- Neckles, Carla.** (2009) Third Place Winner for Alliance for Graduate Education and the Professoriate Conference. *University at Albany*, Albany, NY.
- Song, Airon.** (2009) Sigma Xi Travel Award, \$200. *Sigma Xi, the Scientific Research Society*, Stony Brook, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

- Banerjee, D., Kim, S. J., Parise, J. B.** (2009) Lithium based metal-Organic Framework with Exceptional Stability. *Cryst. Growth Des.* 9(5): 2500.
- Banerjee, D., Borkowski, L. A., Kim, S. J., Parise, J. B.** (2009) Synthesis and Structural Characterization of Lithium Based Metal-Organic Frameworks. *Cryst. Growth Des.* 9(11): 4922.
- Banerjee, D., Kim, S. J., Borkowski, L. A., Xu, W., Parise, J. B.** (2010) Solvothermal Synthesis and Structural Characterization of Ultra light Metal Coordination Network. *Cryst. Growth Des.* 10(2): 709.

- Cao, Ping** and Raleigh, Daniel P. (2010) Ester to Amide Switch Peptide Provide a Simple Method for Preparing Monomeric Islet Amyloid Polypeptide under Physiologically Relevant Conditions and Facilitate Investigations of Amyloid Formation. *Journal of the American Chemical Society* 132: 4052-4053.
- Cao, Ping**, Meng, Fanling, Abedini, Andisheh, and Raleigh, Daniel. (2010) The ability of Rodent Islet Amyloid Polypeptide To inhibit Amyloid Formation by Human Islet Amyloid Polypeptide Has Important Implications for the Mechanism of Amyloid Formation and the Design of Inhibitors. *Biochemistry* 49: 872-881.
- Chiou, W.H., Lin, G.H., Hsu, C.C., **Chaterpaul, S. J.**, Ojima, I. (2009) Efficient Syntheses of Crispine A and Harmicine by Rh-Catalyzed Cyclohydrocarbonylation. *Organic Letters* 11(12): 2659-2662.
- Ojima, I, Kaloko, J.J., **Chaterpaul, S. J.**, Lin, C.F., Teng, Y.H.G. (2010) Asymmetric Carbometallation and Carbocyclizations. In I. Ojima (Ed.), *Catalytic Asymmetric Synthesis*. Hoboken, New Jersey: John Wiley & Sons.
- Ojima, Iwao, **Das, Manisha**, Zuniga, Edison. (2009) Novel Taxoid Based Tumor-Targeting Drug Conjugates. *Chemistry Today/Chimica Oggi* 27(6): 54-56.
- Galiano*, Luis, **Ding***, **Fangyu**, Veloro, Angelo M., Blackburn, Mandy E., Simmerling, Carlos and Fanucci, Gail E. (2009) Drug Pressure Selected Mutations in HIV-1 Protease Alter Flap Conformations. *J. Am. Chem. Soc.* 131(2): 430-431. (*The first two authors contributed equally to this project).
- Hammond, K. D., Gharibeh, M., Tompsett, G. A., **Dogan, Fulya**, Brown, A. V., Grey, C. P., Auerbach, S. M., Conner, W. C. (2010) Optimizing the Synthesis of Nitrogen-Substituted Zeolites. *Chemistry of Materials* 22: 130-142.
- Dogan, Fulya**, Hammond, K. D., Tompsett, G. A., Huo, H., Conner, W. C., Auerbach, S. M., Grey, C. P. (2009) Searching for Microporous, Strongly Basic Catalysts: Experimental and Calculated ²⁹Si NMR Spectra of Heavily Nitrogen-Doped Y Zeolites, *J. Am. Chem. Soc.* 131: 11062-11079.
- Dufour, A.**, Sampson, N., Kuscu, C., Zucker, S., Cao, J. (In Press) Roles of Matrix Metalloproteinase-9 (MMP-9) dimers in cell migration: design of inhibitory peptides. *Journal of Biological Chemistry*.
- Zucker, S., Schmidt, C., **Dufour, A.**, Kaplab, R., Park, H., Jiang, W. (2009) ProMMP-2:TIMP-1 complexes identified in plasma of healthy individuals. *Connective Tissue Research* 50(4): 223-231.
- Kerber, R.C., **Fernando, M.S.** (In Press) α -Oxocarboxylic Acids. *Journal of Chemical Education*.
- Dogan, Fulya, Hammond, K. D., Tompsett, G. A., **Huo, H.**, Conner, W. C., Auerbach, S. M., Grey, C. P. (2009) Searching for Microporous, Strongly Basic Catalysts: Experimental and Calculated ²⁹Si NMR Spectra of Heavily Nitrogen-Doped Y Zeolites. *J. Am. Chem. Soc.* 131: 11062-11079.
- Ojima, I., **Kaloko, J.J.**, Chaterpaul, S.J., Lin, C.F., Teng, Y.H.G. (2010) Asymmetric Carbometallation and Carbocyclizations. In I. Ojima (Ed.), *Catalytic Asymmetric Synthesis*. Hoboken, New Jersey; John Wiley & Sons.
- Bhattacharyya, R., **Key, Baris**, Chen, H., Best, A. S., Hollenkamp, A. F., and Grey, C. P. (2010) *In situ* NMR Observation of the Formation of Metallic Microstructures in Lithium Batteries. *Nature Materials* 9: 504-510.
- Key, Baris**, Bhattacharyya, R., Morcrette, M., Seznec, V., Tarascon, J. M., and Grey, C. P. (2009) Real-Time NMR Investigations of Structural Changes in Silicon Electrodes for Lithium-Ion Batteries. *Journal of the American Chemical Society* 131: 9239-9249.
- Jiang, M., **Key, Baris**, Meng, Y. S., and Grey, C. P. (2009) Electrochemical and Structural Study of the Layered, "Li-Excess" Lithium-Ion Battery Electrode Material Li Li_{1/9}Ni_{1/3}Mn_{5/9}O₂. *Chemistry of Materials* 21: 2733-2745.

- Yamakawa, N., Jiang, M., **Key, Baris**, and Grey, C. P. (2009) Identifying the Local Structures Formed during Lithiation of the Conversion Material, Iron Fluoride, in a Li Ion Battery: A Solid-State NMR, X-ray Diffraction, and Pair Distribution Function Analysis Study. *Journal of the American Chemical Society* 131, 10525-10536.
- Ojima, I., Kaloko, J.J., Chaterpaul, S.J., **Lin, C.F.**, Teng, Y.H.G. (2010) Asymmetric Carbometallation and Carbocyclizations. In I. Ojima (Ed.), *Catalytic Asymmetric Synthesis*. Hoboken, New Jersey; John Wiley & Sons.
- Liu, L.**, Xu, Y., Shea, C., Fowler, J.S., Hooker, J.M. and Tonge, P.J. (2010) Radiosynthesis and Bioimaging of the Tuberculosis Chemotherapeutics Isoniazid, Rifampicin and Pyrazinamide in Baboons. *J. Med. Chem.* 53(7): 2882-2891.
- Kinnings S. L., **Liu, N.**, Buchmeier N., Tonge P. J., Lei X., Bourne P. E. (2009) Drug Discovery Using Chemical Systems Biology: Repositioning the Safe Medicine Comtan to Treat Multi-Drug and Extensively Drug Resistant Tuberculosis. *PLoS Computational Biology* 5(7): e1000423.
- Luckner S. R., **Liu, N.**, am Ende, C.W.A., Tonge P.J., Kisker, C. (In Press) A slow, tight-binding inhibitor of InhA, the enoyl-ACP reductase from *Mycobacterium tuberculosis*. *The Journal of Biological Chemistry*.
- Cao, Ping, **Meng, Fanling**, Abedini, Andisheh, and Raleigh, Daniel. (2010) The ability of Rodent Islet Amyloid Polypeptide To inhibit Amyloid Formation by Human Islet Amyloid Polypeptide Has Important Implications for the Mechanism of Amyloid Formation and the Design of Inhibitors. *Biochemistry* 49: 872-881.
- Meng, Wenli**, Shan, Bing, Tang, Yuefeng, Raleigh, Daniel P. (2009) Native like structure in the unfolded state of the villin headpiece helical subdomain, an ultrafast folding protein. *Protein Science* 18(8): 1692-701.
- Patete, J.M.**, Petrofsky, J. M., Stepan, J., Waheed, A., Serafin, J. M. (2009) Hofmeister Effect on the Interfacial Free Energy of Aliphatic and Aromatic Surfaces Studied by Chemical Force Microscopy. *Journal of Physical Chemistry B* 113(2): 583-588.
- Feyngenson, M., Kou, A., Kreno, L. E., Tiano, A. L., **Patete, J.M.**, Zhang, F., Kim, M. S., Solovyov, V., Wong, S. S., Aronson, M. C. (2010) Properties of highly crystalline NiO and Ni nanoparticles prepared by high-temperature oxidation and reduction. *Physical Review B: Condensed Matter and Materials Physics* 81(1): 014420/1-014420/9.
- Song, Airong**, Parker, Kathlyn A., Sampson, Nicole S., (2009) Synthesis of copolymers by alternating ROMP (AROMP). *J. Am. Chem. Soc.* 131: 3444-3445.
- Ojima, I., Kaloko, J.J., Chaterpaul, S.J., Lin, C.F., **Teng, Y.H.G.** (2010) Asymmetric Carbometallation and Carbocyclizations. In I. Ojima (Ed.), *Catalytic Asymmetric Synthesis*. Hoboken, New Jersey; John Wiley & Sons.
- Santulli, A. C., Xu, W., Parise, J.B., Wu, L., Aronson, M.C., Zhang, F., Nam, C.-Y., Black, C. T., **Tiano, A.L.**, Wong, S. S. (2008) Synthesis and characterization of V₂O₃ nanorods. *Physical Chemistry Chemical Physics* 11: 3718-3726.
- Feyngenson, M., Kou, A., Kreno, L. E., **Tiano, A.L.**, Patete, J. M., Zhang, F., Kim, M. S., Solovyov, V., Wong, S. S., Aronson, M. C. (2010) Properties of highly crystalline NiO and Ni nanoparticles prepared by high-temperature oxidation and reduction. *Physical Review B: Condensed Matter and Materials Physics* 81(1): 014420/1-014420/9.
- Zeng, D.**, Cabana, J., Yoon, W., Grey, C. P. (2010) Investigation of the Structural Changes of Li[Ni_yMn_yCo_(1-2y)]O₂ (y = 0.05) upon Electrochemical Lithium Deintercalation. *Chem. Mater.* 22(3): 1209-1219.
- Feyngenson, M., Kou, A., Kreno, L. E., Tiano, A. L., Patete, J. M., **Zhang, F.**, Kim, M. S., Solovyov, V., Wong, S. S., Aronson, M. C. (2010) Properties of highly crystalline NiO and Ni nanoparticles prepared by high-temperature oxidation and reduction. *Physical Review B* 81: 014420.

Ojima, Iwao, Das, Manisha, **Zuniga, Edison**. (2009) Novel Taxoid Based Tumor-Targeting Drug Conjugates. *Chemistry Today/Chimica Oggi* 27(6): 54-56.

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

Banerjee, D., Kim, S.J., Rosina, K., Wu, H., Borkowski, L.A., Finkelstein, J., Li, J., Grey, C. P., Parise, J. B. (2010) Ultra-Light Metal Organic Frameworks. *239th ACS National Meeting*. San Francisco, CA. (abstract)

Kumar, Kunal, Zanardi, Ilaria, **Berger, William T.**, Ruzsicska, Bela, Slayden, Richard A., Ojima, Iwao. (2009) SAR study and optimization of novel benzimidazoles for antituberculosis drug discovery, targeting FtsZ. *238th ACS National Meeting*. Washington, D.C.

Buannic, Lucienne, Blanc, Frédéric, Holmes, Lesley, Grey, C. P. (2009) NMR study of vacancy trapping in perovskite materials for use in Intermediate Temperature Solid Oxide Fuel Cells. *17th Conference on Solid State Ionic*. Toronto, ON.

Buannic, Lucienne, Blanc, Frédéric, Holmes, Lesley, Grey, C. P. (2009) NMR study of electrolyte materials for Intermediate Temperature Solid Oxide Fuel Cells: hydrated yttrium substituted barium zirconate. *17th Conference on Solid State Ionic*. Toronto, ON.

Buannic, Lucienne, Blanc, Frédéric, Grey, Clare P. (2010) Solid State NMR Studies of Doped BaSnO₃ and BaZrO₃ Protonic Conductors: Defect Trapping and Ionic Mobility. *217th ECS Meeting*. Vancouver, BC.

Buannic, Lucienne (2009) Workshop. *Spring School on Thermal Conductivity and Related Transport Properties of Oxides*. University of Florida, Gainesville, FL.

Cao, Ping, Meng, Fanling, Abedini, Andisheh, and Raleigh, Daniel. (2009) The ability of Rodent Islet Amyloid Polypeptide To inhibit Amyloid Formation by Human Islet Amyloid Polypeptide Has Important Implications for the Mechanism of Amyloid Formation and the Design of Inhibitors. *American Chemical Society Meeting*. Washington, D.C. (poster)

Carr, Amber. (2010) Examining the Effect of Self-guided Langevin Dynamics on the Thermodynamic Stability and Kinetics of Peptide Folding. *American Chemical Society National Meeting*. San Francisco, CA.

Chaterpaul, S. J. Ojima, I. (2009) Highly efficient Pd-catalyzed intramolecular asymmetric double allylic substitution reaction toward the synthesis of Huperzine-A. *238th American Chemical Society National Meeting*, Washington, D.C.

Das, Manisha, Khetpal, Sahil, Kuznetsova, Larisa V., Wong, Stanislaus S., Ojima, Iwao. (2010) Functionalized SWNT as a versatile platform for tumor-targeted therapy. *239th ACS National Meeting*, San Francisco, CA.

Das, Manisha, Ojima, I. (2009) Synthesis and biological evaluation of novel taxoid for PET studies. *Annual ICB&DD Symposium*, Stony Brook, Ny. *Chemistry Research Day*, Stony Brook, NY.

Dervisoglu, Riza, Lee, Y., Middlemiss, D.S., Morgan, D., Grey, C.P. (2009) Cluster expansion and Monte Carlo simulation of Ga doped Ba₂In₂O₅, a fast anionic conductor. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.

Ding, Fangyu. (2009) Drug Pressure Selected Mutations in HIV-1 Protease Alter Flap Conformations. *The Fall 2009 ACS National Meeting*. Washington, D.C. (poster)

Dogan, Fulya, Bhattacharyya, Rangeet, Huo, Hua, Hammond, Karl D., Auerbach, Scott M., Grey, Clare P. (2009) Synthesis and Characterization of Amine Substituted Zeolite Y. *50th Experimental Nuclear Magnetic Resonance Conference*. Pacific Grove, CA.

Dufour, Antoine, Kuscu, Cem, Sampson, Nicole, Zucker, Stanley, and Cao, Jian. (2010) Roles of MMP-9 Homodimer and Heterodimer in Cell Migration. *Gordon Conference on Molecular Scissors*. Les Diablerets, Switzerland.

- Dufour, Antoine**, Sampson, Nicole, Zucker, Stanley, and Cao, Jian. (2009) Critical roles of MMP-9 dimers in cell migration. *3rd edition of Institute of Chemical Biology and Drug Discovery Symposium (ICB&DD)*. Stony Brook University, Stony Brook, NY.
- Dufour, Antoine**, Cao, Jian, and Sampson, Nicole. (2009) The role of Hemopexin Domain of Matrix Metalloproteinase-9 in Cell Migration. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Dufour, Antoine**. (2010) Critical roles of MMP-9 dimers in cell migration. *Department of Chemistry*. Scripps Florida, Jupiter, FL. (invited speaker)
- Dufour, Antoine**. (2009) The biochemical and biological roles of MMP-9 dimers. *Department of Cancer Prevention Gastroenterology*. Stony Brook University, Stony Brook, NY. (invited speaker)
- Gao, Jin**, and Sampson, Nicole S. (2009) Functional characterization of *Rv3409c* from *M. tuberculosis* and L1334, the unique lipid isolated from *M.smegmatis choD* mutant. *ICB&DD Symposium*. Stony Brook University, Stony Brook, NY. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Dogan, Fulya, Bhattacharyya, Rangeet, **Huo, Hua**, Hammond, Karl D., Auerbach, Scott M., Grey, Clare P. (2009) Synthesis and Characterization of Amine Substituted Zeolite Y. *50th Experimental Nuclear Magnetic Resonance Conference*. Pacific Grove, CA.
- Key, Baris**, Bhattacharyya, Rangeet, Morcrette, Mathieu, Sez nec, Vincent, Tarascon, Jean-Marie, Grey, Clare P. (2009) *In-situ* and *ex-situ* Solid State NMR and Pair Distribution Function Studies to Investigate The Local Structure of the Amorphous Phase(s) in Silicon Anodes. *216th Electrochemical Society Meeting*, Vienna, Austria . *Advanced Photon Source Users Meeting*. Argonne, IL.
- Key, Baris**, Bhattacharyya, Rangeet, Grey, Clare P., Best, Adam S., Lane, George H., Hollenkamp, Anthony F. (2009) *In-situ* and *ex-situ* ⁷Li Solid State NMR Studies on Lithium symmetrical cells with Ionic Liquid electrolytes. *216th Electrochemical Society Meeting*. Vienna, Austria.
- Kim, Gunwoo** (2009) Solid-state NMR Studies of CsH₂PO₄, An Ionic Conductor for Intermediate-Temperature Solid Oxide Fuel Cells (IT-SOFCs). *Workshop - Modeling of Fuel Cell Electrocatalysts*. University of California, Santa Barbara, Santa Barbara, CA. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Kumar, Kunal**, Zanardi, Ilaria, Berger, William T., Ruzsicska, Bela, Slayden, Richard A., Ojima, Iwao. (2009) SAR study and optimization of novel benzimidazoles for antituberculosis drug discovery, targeting FtsZ. *238th ACS National Meeting*. Washington, D.C.
- Lee, Siyeon** and Sampson, Nicole. (2009) Development of photoaffinity based ROMP polymer for identifying receptors on egg surface. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY. *ICB & DD symposium*. Stony Brook University, Stony Brook, NY.
- Lin, Chi-Feng**. (2009) Application of Chiral Biphenol-Based Bidentate Diphosphonite and Monophosphoramidite Ligands to Pd-Catalyzed Intramolecular Asymmetric Allylic Amination Reactions. *ACS Fall 2009 National Meeting & Exposition*. Washington, D.C.
- Liu, Li**. (2010) Imaging the Distribution of Carbon-11 Labeled Rifampicin, Isoniazid and Pyrazinamide in Baboons using PET. *The American Society for Biochemistry and Molecular Biology*. Anaheim, CA.
- Liu, Li**. (2010) Radiosynthesis and bioimaging of the tuberculosis chemotherapeutics isoniazid, rifampicin and pyrazinamide in baboons. *The Society of Nuclear Medicine*. Salt Lake City, UT.
- Cao, Ping, **Meng, Fanling**, Abedini, Andisheh, and Raleigh, Daniel. (2009) The ability of Rodent Islet Amyloid Polypeptide To inhibit Amyloid Formation by Human Islet Amyloid Polypeptide Has Important Implications for the Mechanism of Amyloid Formation and the Design of Inhibitors. *American Chemical Society Meeting*. Washington, D.C. (poster)

- Meng, Wenli.** (2009) NMR Characterization of Villin Headpiece Helical Subdomain in 8M Urea Reveals the Presence of Secondary Structure in the Denatured State. *The 23rd Annual Symposium of The Protein Society*. Boston, MA.
- Neckles, Carla.** (2010) KasA from the FASII Pathway in *Mycobacterium tuberculosis*. *CUNY/SUNY AGEF Conference in Science and Engineering*. CUNY Graduate Center, New York, NY.
- Neckles, Carla.** (2009) Separation and Determination of Pharmacologically Active Ingredients in Nature Made Standardized Ginkgo Biloba Extract Using GC/MS. *Second Annual Forensic Research Colloquium*. University at Albany, Albany, NY.
- Neckles, Carla.** (2008/2009) Purification and Characterization of Myocilin Protein from Bovine Aqueous Humor, and Recombinant Human Myocilin Expressed in *E. coli*. *McNair Research Conference*. University at Buffalo, Buffalo, NY. *Alliance for Graduate Education and the Professoriate Conference*. University at Albany, Albany, NY.
- Patete, J.M.,** Serafin, J. M., Wong, S. S. (2009) Methods for controlling gold nanocrystal assembly on a surface. *238th ACS National Meeting*. Washington, D.C.
- Rosina, Kenneth J.,** Jiang, Meng, Best, Adam, Grey, Clare P. (2009) Coating Effects on Li[Li_{1/9}Ni_{1/3}Mn_{5/9}]O₂ Cathodes for Rechargeable Lithium Ion Batteries. *17th International Conference on Solid State Ionics*. Toronto, ON.
- Rosina, Kenneth J.** (2010) Coating Effects on Li[Li_{1/9}Ni_{1/3}Mn_{5/9}]O₂ Cathodes for Rechargeable Lithium Ion Batteries. *Chemistry Research Day*, Stony Brook University, Stony Brook, NY.
- Song, Airon,** Walker, Stephen, Parker, Kathlyn A., Sampson, Nicole S. (2009) Antimicrobial studies of amphiphilic polymers synthesized using AROMP of 1-substituted cyclobutene carboxylic esters and cyclohexene derivatives. *Gordon Research Conference "Bioorganic Chemistry"*. Andover, NH. *ICB&DD Symposium*. Stony Brook, NY.
- Su, Chiao-Yung.** (2009) Mapping out the site of protein-lipid interactions on cholesterol oxidase. *ICB&DD Symposium*. Stony Brook University, Stony Brook, NY. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Tan, Li** (2009) Investigation of Anti-Backbiting in Alternating Ring-Opening Metathesis Polymerization. *ICB&DD Symposium*. Stony Brook University, Stony Brook, NY. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Thomas, Suzanne** (2009) Investigating the Enzymatic Activities Encoded by the Cholesterol Metabolizing *igr* operon in *Mycobacterium tuberculosis*. *ICB&DD Symposium*. Stony Brook University, Stony Brook, NY. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Wu, Linghui** (2009) Investigate mouse acrosome reaction with chemically synthetic glycopolymers. *ICB&DD Symposium*. Stony Brook University, Stony Brook, NY. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Yeo, Jung-Eun,** Gillet, Ludovic C. J., Schäfer, Orlando; (2009) Sequence-dependent repair efficiency of dG-AAF and dG-AF substrates by human nucleotide excision repair. *3rd ASM (American Society of Microbiology) Conferences; DNA repair and Mutagenesis*. Whistler, BC. *3rd ICB&DD Annual Symposium*. Stony Brook, NY.
- Zeng, D.,** Cabana, J., Indris, S., Yoon, W.-S., Robert, R., Clarke S. J., and Grey, Clare P. (2009) Study of Reversible Lithium Intercalation into Copper Based Oxysulfides. *17th International Conference on Solid State Ionics*. Toronto, ON. *216th ECS Meeting*. Vienna, Austria.
- Zeng, D.,** Cabana, J., Yoon, W.-S., and Grey, C. P. (2009) Study of the delithiation processes in layered Li[Ni_yMn_yCo_(1-2y)]O₂ (y=0.2, 0.3). *216th ECS Meeting*. Vienna, Austria.
- Zeng, D.,** Cabana, J., Yoon, W.-S., and Grey, C. P. (2009) Study of the structural changes in Li[Ni_yMn_yCo_(1-2y)]O₂ (y=0.05) upon lithium deintercalation. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.

Zhu, Yunxu, Lu, Zhouguang, Grey, Clare. (2009) NMR Studies on Olivine Materials. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.

❖ **Internship Appointments**

Das, Manisha. (2009) Intellectual Property Intern. *Forest Laboratories Inc*, Commack, NY..

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

Chaterpaul, Stephen. (2009-10) Adjunct Instructor of Chemistry. Department of Chemistry, *Hofstra University*, Hempstead, NY.

Dufour, Antoine. (2010) Post-Doctoral Fellowship. Centre for Blood Research, *University of British Columbia*, Vancouver, BC.

Song, Airong. (2010) Post-Doctoral Appointment. Bioengineering Department, *University of California at San Diego*, San Diego, CA.

❖ **Patents**

Dufour, Antoine and Jian Cao. (Submitted Patent STONYB- 16639) *Compositions and methods for inhibiting MMP-9-mediated cell migration*. This invention was made with government support under grant 5RO1CA11355301A1, awarded by the National Institutes of Health (NIH). The government has certain rights in the invention. Stony Brook University also has rights in this invention.

COMPARATIVE LITERARY AND CULTURAL STUDIES

GRADUATE DIRECTOR: PATRICE NGANANG
DEPARTMENT CHAIR: ROBERT HARVEY

❖ Grants, Fellowships, and Awards

- Chen, I-Ju.** (2009) The 22nd Liang Shih-chiu Literary Award, Prose Translation Category, First Prize, \$1,522. *Council for Cultural Affairs and Chiu Ko Culture and Educational Foundation*, Taipei, Taiwan.
- Chen, I-Ju.** (2009) Conference Travel Grant, \$300. Cultural Division, *Taipei Economic and Cultural Division*, New York, NY.
- Foley, Ashar.** (2010) Mellon Dissertation Seminar Grant, \$4,635. *Stony Brook University*, Stony Brook, NY.
- Hung, Tzu-hui Celina.** (2009-2010) Dissertation Fellowship for Republic of China Students Abroad, \$15,000. *Chiang Ching-kuo Foundation for International Scholarly Exchange*, McLean, VA.
- Staats, Hans.** (2010) President's Awards for Excellence in Teaching by a Graduate Student, \$500. *Stony Brook University*, Stony Brook, NY.

❖ Singly Authored Publications/Research Reports/Reviews

- Chen, I-Ju.** (2010) Reading *South Pacific*: From Classical Broadway to Invisible Vanuatu. *C.I.P Quarterly*: 41-47.
- Chen, I-Ju.** (2010) Genius. *Chairman Poetics* 59: 84.
- D'Amelio, Maria Elena.** (2009) Belle e dannate. Donne di potere nel cinema storico-mitologico italiano. In Monica dall'Asta (Ed.), *Non solo Dive. Pioniere del cinema italiano*. Bologna, Italy: Cineteca di Bologna.
- D'Amelio, Maria Elena.** (2010) Metamorfosi del mito di Ercole nei pepla degli anni Sessanta. In G.P. Brunetta (Ed.), *Metamorfosi del mito classico nel cinema*. Padua, Italy: Istituto Veneto.
- Hung, Tzu-hui Celina.** (2009) 'There Are No Chinamen in Singapore': Creolization and Self-Fashioning of the Straits Chinese in the Colonial Contact Zone. *Journal of Chinese Overseas* 5(2): 257-90.
- Staats, Hans.** (2009) Will Higbee: *Mathieu Kassovitz*. *Contemporary French Civilization* 33(2): 200-202.
- Staats, Hans.** (2009) Valerie Orpen: Agnès Varda's *Cléo de 5 à 7*. *Contemporary French Civilization* 33 (1): 261-264.
- Springer, Sean.** (2010) Looking for Laughs in All the Wrong Places. In M. Pomerance and J. Sakeris (Eds.), *Popping Culture, 6th edition*. Toronto, ON: Pearson.
- Springer, Sean.** (2010) Richard Pryor's Pain: From Stand-up Comedy to Hollywood Film. In J. Peterson (Ed.), *In Media Res*. Lewisburg, PA: Bucknell University Press.

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

- Burrows, Alice Claire.** (2009) The Graphic Memoir: A cartoonist's self portrait. *CLCS Colloquium Series*. Stony Brook University, Stony Brook, NY.

- Burrows, Alice Claire.** (2009) Destabilizing Artistic Binaries: The Hispanic Artist in Comics and Graphic Novels. *18th Colloquium on Hispanic and Luso-Brazilian Literatures and Linguistics Department of Spanish and Portuguese*. The University of Texas at Austin, Austin, TX.
- Burrows, Alice Claire.** (2010) Syndicated Women: Recurring Images in Newspaper Comic Strips. *Cycles: Stony Brook University Women's and Gender Studies Graduate Conference*. Stony Brook Manhattan, New York, NY.
- Burrows, Alice Claire.** (2010) Captioned Caricature: Photographs in Graphic Memoirs. *American Comparative Literature Association Conference*. New Orleans, LA.
- Chen, I-Ju.** (2009) Double Civilizations: Shanghai and Its Modern Dream. *New York Conference on Asian Studies*. Cornell University, Ithaca, NY.
- D'Amelio, Maria Elena.** (2009) The Myth of Hercules in Italian '60s Film. *PCA/ACA National Conference*. New Orleans, LA.
- D'Amelio, Maria Elena.** (2010) Beautiful and Damned. *NeMLA National Conference*. Montreal, QB.
- Foley, Ashar.** (2010) "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. *ICLS Graduate Student Conference: The Good, the Bad, and the Useless: Establishing Value Across Time and Space*. Columbia University, New York, NY.
- Hung, Tzu-hui Celina.** (2010) History Salvaged, Fiction Desired: A Queer/Creole Mode of Diasporic Knowledge Production in Lawrence Chua's *Gold by the Inch*. *2010 Annual Meeting of American Comparative Literature Association*. New Orleans, LA.
- Razumova, Lyudmila.** (2010) Polyphony and Scordatura in Nancy Huston's Work. *American Comparative Literature Association Annual Conference: Creoles, Diasporas, Cosmopolitanisms*. New Orleans, LA.
- Staats, Hans.** (2010) Who is the Cinematic Child/Who is the Cinematic Monster?: Gabriele Salvatores' *Io non ho paura*. *Northeast Modern Language Association (NeMLA) 2010 Convention*. Montreal, QB.
- Staats, Hans.** (2010) Re-envisioning Postwar Berlin: Childhood and National Identity in Fred Zinnemann's *The Search* and Gianni Amelio's *Le Chiavi di casa*. *Society for Cinema and Media Studies (SCMS) @ 50/LA, Archiving the Future/Mobilizing the Past*. Los Angeles, CA.
- Staats, Hans.** (2009) Who is the Postwar Cinematic Child? *American Comparative Literature Association: Global Voices, Local Languages*. Harvard University, Cambridge, MA.
- Springer, Sean.** (2009) Alfred Hitchcock's Title Sequences. *The Hitchcockian Perspective: A Symposium*. Ryerson University, Toronto, ON.
- Sung, I-Te Rita.** (2009) Toward a Transnational Representation of Taipei: Translocating Traumatic Memories in Millennium Taiwanese Cinema. *2009 Annual Conference of American Comparative Literature Association*. Harvard University, Cambridge, MA.
- Sung, I-Te Rita.** (2009) Audrey Hepburn and Otona-Kawaii (Adult-Cutesy): Style of the Child-Woman in Japanese OL (Office Lady) Fashion Magazine. *2009 New York Conference on Asian Studies*. Cornell University, Ithaca, NY.
- Sung, I-Te Rita.** (2009) Audrey Hepburn and Otona-Kawaii (Adult-Cutesy): Style of the Child-Woman in Japanese OL (Office Lady) Fashion Magazine. *Comparative Literary and Cultural Studies Colloquium*. Stony Brook University, Stony Brook, NY.

❖ **Internship Appointments**

- Burrows, Alice Claire.** (Winter 2009-2010) Editorial Internship. *Fantagraphics Books*. Seattle, WA.

Comparative Literary and Cultural Studies

❖ Translations

Chen, I-Ju. (in press) *The Invisible Mountain* (Garolina De Robertis). Taipei: Commonwealth Publishing Co., Ltd (Original work published [2009]).

Chen, I-Ju. (2009) Excerpt from "Shooting An Elephant" (George Orwell). *The 22nd Liang Shih-Chiu Literary Award Collection*. Taipei: Chiu Ko Publishing Co., Ltd. 92-95.

Chen, I-Ju. (2009) Excerpt from "Science and the World" (Alfred North Whitehead). *The 22nd Liang Shih-Chiu Literary Award Collection*, Chiu Ko Publishing Co., Ltd. 96-100.

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Chen, I-Ju. (2009) Excerpt from "Science and the World" (Alfred North Whitehead). *China Daily News* 17 Oct 2009. B4.

COMPUTER SCIENCE

GRADUATE DIRECTOR: I.V. RAMAKRISHNAN

DEPARTMENT CHAIR: ARIE KAUFMAN

❖ Grants, Fellowships, and Awards

Borodin, Yevgen. (2010) President's Award to Distinguished Doctoral Students, \$500. *Stony Brook University*, Stony Brook, NY.

Fodor, Paul. (2009) Travel Grant Award, \$950. *Semantic Web Science Assoc.*, Karlsruhe, Germany.

Liang, Senlin. (2009) Student Travel Grant, \$950. *National Research Foundation*, Arlington, VA.

Wan, Hui. (2009) NSF Student Travel Grant, \$950. *National Research Foundation*, Arlington, VA.

Wan, Hui. (2009) Student Travel Grant, \$800. *25th International Conference on Logic Programming (ICLP)*, Pasadena, CA.

Xu, W., Mueller, K. (2009) Best Paper Award for A Performance-Driven Study of Regularization Methods for GPU-Accelerated Iterative CT. *Workshop on High Performance Image Reconstruction (Fully 3D Image Reconstruction in Radiology and Nuclear Medicine)*, Beijing, China.

Zhang, W. (2010) Student Travel Grant Award, \$1,500. *The American Finance Association*, Atlanta, GA.

❖ Jointly Authored Publications/Research Reports/Reviews

Borodin, Y., Kawanaka, S., Takagi, H., Kobayashi, M., Sato, D., Asakawa, C. (2010) Chapter 18: Social Accessibility: a Collaborative Approach for Improving Web Accessibility. In Allen Cypher Mira Dontcheva Tessa Lau Jeffrey Nichols (Eds.), *No Code Required: Giving Users Tools to Transform the Web*. San Francisco, CA: Morgan Kaufmann.

Deshpande, P., Kashyap, A., Chul, S., Das, S. R. (2009) Predictive Methods for Improved Vehicular WiFi Access. *7th ACM International Conference on Mobile Systems, Applications and Services (MobiSys 2009)*. Krakao, Poland.

Petkov, K., Qiu, F., **Fan, Z.,** Kaufman, A., Mueller, K. (2009) Efficient LBM Visual Simulation on Face-Centered Cubic Lattices. *IEEE Transactions on Visualization and Computer Graphics 15(5)*: 802-814.

Fodor, P., Kifer, M, Liang, S., Wan, H. (2010) OpenRuleBench Benchmarks for Semantic Web Rule Engines Re-run Report 2010. <http://rulebench.projects.semwebcentral.org> . Stony Brook, NY.

Wan, H., Grosz, B., Kifer, M., **Fodor, P.,** Liang, S. (2009) Logic Programming with Defaults and Argumentation Theories. *Proceedings of 25th International Conference on Logic Programming (ICLP)*. Pp. 432-448, Lecture Notes in Computer Science. Pasadena, CA: Springer-Verlag.

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Fusco, G., Gupta, H. (2009) ϵ -Net Approach to Sensor k-Coverage. *EURASIP Journal on Wireless Communications and Networking 2010*: 192752.

Goldstein, R., Tomasi, D., Alia-Klein, N., **Honorio, J.,** Maloney, T., Woicik, P., Wang, R., Telang, F., Volkow, N. (2009) Dopaminergic Response to Drug Words in Cocaine Addiction. *Journal of Neuroscience 29(18)*: 6001-6.

- Goldstein, R., Alia-Klein, N., Tomasi, D., **Honorio, J.**, Maloney, T., Woicik, P., Wang, R., Telang, F., Volkow, N. (2009) Anterior Cingulate Cortex Hypoactivations to an Emotionally Salient Task in Cocaine Addiction. *Proceedings of the National Academy of Sciences* 106(23): 9453-8.
- Xu, Q., **Hou, X.**, Cui, B., Shen, H. T., Dai, Y. (2009) Facilitating Effective Resource Publishing and Searching in DHT Networks. *HKIE Transactions* 16(3): 32-41.
- Kang, H.**, Chen, H., Jiang, G. (In Press) PeerWatch: a Fault Detection and Diagnosis Tool for Virtualized Consolidation Systems. *The 7th IEEE International Conference on Autonomic Computing*. Washington, D.C.
- Deshpande, P., **Kashyap, A.**, Chul, S., Das, S. R. (2009) Predictive Methods for Improved Vehicular WiFi Access. *7th ACM International Conference on Mobile Systems, Applications and Services (MobiSys 2009)*. Krakao, Poland.
- Li, Bo.**, Li, X., Wang, K., Qin, H. (2010) Generalized PolyCube Trivariate Spline. *Proceedings of IEEE Shape Modeling International*. Arts et Métiers ParisTech, Aix-en-Provence, France.
- Li, S.**, Jackowski, M., Varslot, T., Dione, D., Staib, L., Mueller, K., (2010) (In Press) Refraction Corrected Transmission Ultrasound Computed Tomography for Application in Breast Imaging. *Medical Physics*.
- Fodor, P., Kifer, M, **Liang, S.**, Wan, H. (2010) OpenRuleBench Benchmarks for Semantic Web Rule Engines Re-run Report 2010. <http://rulebench.projects.semwebcentral.org> . Stony Brook, NY.
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- Deb, S., Srinivasan, V., **Maheshwari, R.** (In Press) Dynamic Spectrum Access in DTV Whitespaces: Design Rules, Architecture and Algorithms. *ACM Mobicom 2009*. Beijing, China.
- Santi, P., **Maheshwari, R.**, Resta, G., Das, S. R., Blough, D. M. (2009) Wireless Link Scheduling Under a Graded SINR Interference Model. *Proceedings of 2nd ACM International Workshop on Foundations of Wireless Ad Hoc and Sensor Networking and Computing (FOWANC) held in conjunction with ACM Mobihoc 2009*. New Orleans, LA.
- Maheshwari, R.**, Cao, J., Das, S. R. (2009) Physical Interference Modeling for Transmission Scheduling on Commodity WiFi Hardware. *Proceedings of 28th IEEE International Conference on Computer Communications Mini Conference (IEEE INFOCOM)*. Rio de Janeiro, Brazil.
- Nam, J., **Maurer, M.**, Mueller, K. (2009) A High-Dimensional Feature Clustering Approach to Support Knowledge-Assisted Visualization. *Computers & Graphics* 33(5): 607-615.
- Nam, J.**, Maurer, M., Mueller, K. (2009) A High-Dimensional Feature Clustering Approach to Support Knowledge-Assisted Visualization. *Computers & Graphics* 33(5): 607-615.
- Papaioannou, G., Menexi, M.L., **Papadopoulos, C.** (2010) Real-time Volume-based Ambient Occlusion. *Transactions on Visualization and Computer Graphics* (Preprint).
- Papadopoulos, C.**, Papaioannou G. (2009) Realistic Real-time Underwater Caustics and Godrays. *Proceedings of Graphicon 2009*. Moscow State University, Moscow, Russia.
- Petkov, K.**, Qiu, F., Fan, Z., Kaufman, A., Mueller, K. (2009) Efficient LBM Visual Simulation on Face-Centered Cubic Lattices. *IEEE Transactions on Visualization and Computer Graphics* 15(5): 802-814.
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- Marina, M. K., Das, S. R., **Subramanian, A.P.** (2009) A Topology Control Approach for Utilizing Multiple Channels in Multi-Radio Wireless Mesh Networks. *Elsevier Computer Networks Journal Special Issue on Multi-Hop Wireless Access Networks 54(2)*: 241-256.
- Subramanian, A.P.**, Lundgren, H., Salonidis, T., Towsley, D. (2009) Topology Control Protocol Using Sectorized Antennas in Dense 802.11 Wireless Networks. *Proceedings of the 17th IEEE International Conference on Network Protocols (ICNP 2009)*. Princeton, N.J.
- Subramanian, A.P.**, Lundgren, H., Salonidis, T. (2009) Experimental Characterization of Sectorized Antennas in Dense 802.11 Wireless Mesh Networks. *Proceedings of the 10th ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc 2009)*. New Orleans, LA.
- Subramanian, A.P.**, Cao, J., Sung, C., Das, S. R. (2009) Understanding Channel and Interface Heterogeneity in Multi-channel Multi-radio Wireless Mesh Networks. *Proceedings of 10th Passive and Active Measurement Conference (PAM 2009)*. Seoul, South Korea.
- Uddin, B.M.**, Castelluccia, C. (In Press) Toward Clock Skew Based Services in Wireless Sensor Networks. *International Journal of Sensor Networks, (IJS Net) Special Issue: Recent Advances in Sensor Integration*.
- Fodor, P., Kifer, M., Liang, S., **Wan, H.** (2010) OpenRuleBench Benchmarks for Semantic Web Rule Engines Re-run Report 2010. <http://rulebench.projects.semwebcentral.org> . Stony Brook, NY.
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- Wan, H.**, Kifer, M. (2009) Query Answering in Belief Logic Programming. *Proceedings of 3rd International Conference on Scalable Uncertainty Management (SUM)*. Pp. 268-281 in Lecture Notes in Artificial Intelligence. Washington, D.C.: Springer-Verlag.
- Wan, H.** (2009) Belief Logic Programming with Cyclic Dependencies. *Proceedings of 3rd International Conference on Web Reasoning and Rule Systems (RR)*. Pp. 150-165 in Lecture Notes in Computer Science. Chantilly, VA: Springer-Verlag.
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- Xu, F.**, Xu, W., Mueller K. (In Press) On the Efficiency of Iterative Ordered Subset Reconstruction Algorithms for Acceleration on GPUs. *Computer Methods and Programs in Biomedicine '09*.
- Xu, W., **Xu, F.**, Jones, M., Keszthelyi, B., Sedat, J., Agard, D., Mueller, K. (In Press) High-Performance Iterative Electron Tomography Reconstruction with Long-Object Compensation using Graphics Processing Units (GPUs). *Journal of Structural Biology*.
- Xu, F.**, Xu, W., Jones, M., Keszthelyi, B., Sedat, J., Agard, D., Mueller, K. (In Press) On the Efficiency of Iterative Ordered Subset Reconstruction Algorithms for Acceleration on GPUs. *Computer Methods and Programs in Biomedicine*.
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- Xu, F., **Xu, W.**, Jones, M. Keszthelyi, B., Sedat, J., Agard, D., Mueller, K. (2010) On the Efficiency of Iterative Ordered Subset Reconstruction Algorithms for Acceleration on GPUs. *Computer Methods and Programs in Biomedicine*.
- Mueller, K., Xu, F., Zheng, Z., **Xu, W.** (2010) MIC-GPU: High-Performance Computing for Medical Imaging on Programmable Graphics Hardware (GPU). *Course SC829 of SPIE on Medical Imaging 2009*. San Diego, CA.
- Xu F., **Xu, W.**, Mueller K. (In Press) On the Efficiency of Iterative Ordered Subset Reconstruction Algorithms for Acceleration on GPUs. *Computer Methods and Programs in Biomedicine '09*.
- Xu, W.**, Mueller, K. (In Press) Parameter Space Visualizer: An Interactive Parameter Selection Interface for Iterative CT Reconstruction Algorithms. *Proceedings of SPIE, vol. 7625 (SPIE Medical Imaging)*. San Diego, CA.
- Xu, W.**, Mueller, K. (2009) Learning Effective Parameter Settings for Iterative CT Reconstruction Algorithms. *10th Fully Three-Dimensional Image Reconstruction in Radiology and Nuclear Medicine '09*: 251-254.
- Xu, W.**, Mueller, K. (2009) A Performance-Driven Study of Regularization Methods for GPU-Accelerated Iterative CT. *10th Fully Three-Dimensional Image Reconstruction in Radiology and Nuclear Medicine '09 High Performance Image Reconstruction Workshop*: 20-23.
- Xu, W.**, Mueller, K. (2009) Accelerating Regularized Iterative CT Reconstruction on Commodity Graphics Hardware (GPU). *IEEE International Symposium on Biomedical Imaging (ISBI '09)*: 1287-1290.
- Zhang, W.**, Skiena, S. (2009) Improving Movie Gross Prediction Through News Analysis. *The 2009 IEEE/WIC/ACM International Conference on Web Intelligence*. Milan, Italy.
- Zhang, W.**, Skiena, S. (2010) Trading Strategies to Exploit News and Blog Sentiment. *The 4th International AAAI Conference on Weblogs and Social Media*. Washington, D.C.
- Zhao, X.**, Kaufman, A. (In Press) Multi-dimensional Reduction and Transfer Function Design Using Parallel Coordinates. *IEEE/EG International Symposium on Volume Graphics (2010)*. Norrkoping, Sweden.
- Zeng, Y.**, Wang, C., Wang, Y., Gu, X., Samaras, D., Paragios, N. (2010) Dense Non-rigid Surface Matching using High-order Graph Matching. *Computer Vision and Pattern Recognition (CVPR)*. San Francisco, CA.
- Zheng, Z.**, Mueller, K. (In Press) Reconstruction and Visualization of Model-based Volume Representations. *Proceedings of SPIE Medical Imaging 7625 (SPIE Medical Imaging)*. San Diego, CA.
- Mueller, K., Xu, F., **Zheng, Z.**, Xu, W. (2010) MIC-GPU: High-Performance Computing for Medical Imaging on Programmable Graphics Hardware (GPU). *Course SC829 of SPIE on Medical Imaging 2009*. San Diego, CA.
- Men, C., Gu, X., Choi, D., Majumdar, A., **Zheng, Z.**, Mueller, K., Jiang, S. (2009) GPU-based Ultra Fast IMRT Plan Optimization. *Physics in Medicine and Biology* 54(21): 6565-6573.

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

- Islam, M.A., **Ahmed, F.**, Borodin, Y., Mahmud, J., Ramakrishnan, I.V. (2010) Improving Accessibility of Transaction-centric Web Objects. *Tenth SIAM International Conference on Data Mining, SDM 2010*. Columbus, OH.
- Borodin, Y., **Ahmed, F.**, Islam, M. A., Feng, S., Puzis, Y., Melnyk, V., Ramakrishnan, I. V., Dausch, G. (2010) Hearsay: A New Generation Context-Driven Multi-Modal Assistive Web Browser. *International World Wide Web Conference-WWW 2010*. Raleigh, NC.

- Bhuvan, M.,** Deshmukh, P., Sekar, R.C. (2010) A Framework for Enforcing Policies and Ensuring Usability in Integrity Preserving Operating Systems. *Graduate Research Conference @Center for Excellence in Wireless and Information Technology*. Stony Brook, NY.
- Borodin, Y.,** Bigham, J., Dausch, G., Ramakrishnan, I. V. (2010) More than Meets the Eye: A Survey of Browsing Strategies with Screen Reader. *International Cross-Disciplinary Conference on Web Accessibility – W4A 2010*. Raleigh, NC.
- Borodin, Y.** (2010) Remote Web Browsing via the Phone with TeleWeb. *28th ACM CHI Conference on Human Factors in Computing Systems – CHI 2010*. Atlanta, GA.
- Borodin, Y.,** Ahmed, F., Islam, M. A., Feng, S., Puzis, Y., Melnyk, V., Ramakrishnan, I. V., Dausch, G. (2010) Hearsay: A New Generation Context-Driven Multi-Modal Assistive Web Browser. *International World Wide Web Conference-WWW 2010*. Raleigh, NC.
- Islam, M.A., Ahmed, F., **Borodin, Y.,** Mahmud, J., Ramakrishnan, I.V. (2010) Improving Accessibility of Transaction-centric Web Objects. *Tenth SIAM International Conference on Data Mining, SDM 2010*. Columbus, OH.
- Bhuvan, M., **Deshmukh, P.,** Sekar, R.C. (2010) A Framework for Enforcing Policies and Ensuring Usability in Integrity Preserving Operating Systems. *Graduate Research Conference @Center for Excellence in Wireless and Information Technology*. Stony Brook, NY.
- Feng, S.** (2010) Stream Data Facilitated Web Automation. *CRA-W Grad Cohort Workshop 2010*. Bellevue, WA.
- Borodin, Y., Ahmed, F., Islam, M. A., **Feng, S.,** Puzis, Y., Melnyk, V., Ramakrishnan, I. V., Dausch, G. (2010) Hearsay: A New Generation Context-Driven Multi-Modal Assistive Web Browser. *International World Wide Web Conference-WWW 2010*. Raleigh, NC.
- Anicic, D., **Fodor, Paul,** Stühmer, R., Stojanovic, N. (2009) Event-driven Approach for Logic-based Complex Event Processing. *The IEEE International Conference on Computational Science and Engineering (CSE09)*. Vancouver, BC.
- Anicic, D., **Fodor, P.,** Stühmer, R., Stojanovic, N. (2009) An Approach for Data-driven and Logic-based Complex Event Processing . *3rd ACM International Conference on Distributed Event-Based Systems (DEBS 2009)*. Nashville, TN.
- Anicic, D., **Fodor, P.,** Stühmer, R., Stojanovic, N. (2009) Computing Complex Events in an Event-driven and Logic-based Approach – Demo. *3rd ACM International Conference on Distributed Event-Based Systems (DEBS 2009)*. Nashville, TN.
- Wan, H., Grosz, B., Kifer, M., **Fodor, P.,** Liang, S. (2009) Logic Programming with Defaults and Argumentation Theories. *Proceedings of 25th International Conference on Logic Programming (ICLP)*. Pp. 432-448, Lecture Notes in Computer Science. Pasadena, CA: Springer-Verlag.
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- Fusco, G.,** Gupta, H. (2009) Selection and Orientation of Directional Sensors for Coverage Maximization. *IEEE Conference on Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks (SECON '09)*. Rome, Italy.
- Fusco, G.,** Gupta, H. (2009) ϵ -Net Approach to Sensor k-Coverage. *Conference on Wireless Algorithms, Systems and Applications (WASA '09)*. Boston, MA.
- Fusco, G.,** Gupta, H. (2010) Placement and Orientation of Rotating Directional Sensors. *IEEE Conference on Communications Society Conference on Sensor, Mesh and Ad Hoc Communications and Networks (SECON '10)*. Boston, MA.

- Garg, S.,** Berg, T., Mueller, K. (2009) Iconizer: A Framework to Identify and Create Effective Representations for Visual Information Encoding. *IEEE Visualization Conference*. Atlantic City, NJ. (poster)
- Hamed Azimi, N.,** Hou, X., Gupta, H., Gao, J. (2010) Data Preservation under Spatial Failures in Sensor Networks. *INFOCOM Mini Conference*. San Diego, CA.
- Hart, M.,** Johnson, R., Stent, A. (2009) iTag: A Personalized Blog Tagger. *RecSys '09: Proceedings of the 3rd ACM Conference on Recommender Systems*. New York, NY.
- Hart, M.,** Castille, C., Johnson, R., Stent, A. (2009) Usable Privacy Controls for Blogs. *CSE '09: Proceedings of the 2009 International Conference on Computational Science and Engineering*. Vancouver, BC.
- Honorio, J.,** Samaras, D., Tomasi, D., Goldstein, R. (2010) Simple Fully Automated Group Classification on Brain fMRI. *IEEE International Symposium on Biomedical Imaging*. Rotterdam, Netherlands.
- Honorio, J.,** Ortiz, L., Samaras, D., Paragios, N., Goldstein, R. (2009) Sparse and Locally Constant Gaussian Graphical Models. *Neural Information Processing Systems*. Vancouver, BC.
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- Langs, G., Samaras, D., Paragios, N., **Honorio, J.,** Golland, P., Alia-Klein, N., Tomasi, D., Volkow, N., Goldstein, R. (2009) A Functional Geometry of fMRI BOLD Signal Interactions. *Neural Information Processing Systems, Workshop on Connectivity Inference in NeuroImaging*. Vancouver, BC.
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- Kashyap, A.,** Paul, U., Das, S.R. (2010) Deconstructing Interference Relations in WiFi Networks. *IEEE SECON*. Boston, MA.
- Wan, H., Grosz, B., Kifer, M., Fodor, P., **Liang, S.** (2009) Logic Programming with Defaults and Argumentation Theories. *Proceedings of 25th International Conference on Logic Programming (ICLP)*. Pp. 432-448 in Lecture Notes in Computer Science. Pasadena, CA: Springer-Verlag.
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- Montes, P., **Memelli, H.,** Ward, C., Kim, J., Mitchell, J. S. B., Skiena, S. (2010) Optimizing Restriction Site Placement for Synthetic Genomes. *21st Annual Symposium on Combinatorial Pattern Matching (CPM 2010)*. Polytechnic Institute of NYU, New York City, NY.

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- Dinh, Q., **Neophytou, N.**, Mueller, K. (2009) Continuous FVR of Irregularly Sampled Data Using Gaussian RBFs. *IEEE Visualization Conference*. Atlantic City, NJ. (poster)
- Papadopoulos, C.**, Kaufman A. (2010) CAVE-Troll, A Framework for Large Scale Immersive Visualization. *Center for Dynamic Data Analytics Workshop*. Stony Brook – Manhattan, New York, NY.
- Paul, U.**, Das, S. R., Maheshwari, R. (2010) Detecting Selfish Carrier-Sense Behavior in WiFi Networks by Passive Monitoring. *IEEE Dependable Systems and Networks*. Chicago, IL.
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- Borodin, Y., Ahmed, F., Islam, M. A., Feng, S., **Puzis, Y.**, Melnyk, V., Ramakrishnan, I. V., Dausch, G. (2010) Hearsay: A New Generation Context-Driven Multi-Modal Assistive Web Browser. *International World Wide Web Conference-WWW 2010*. Raleigh, NC.
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- Xu, F.**, Mueller, K. (2009) Optimal Sampling Lattices for High-Fidelity CT Reconstruction. *IEEE Medical Imaging Conference*. Orlando, FL.
- Mueller, K., Xu, W., Zheng, Z., **Xu, F.** (2010) Course SC829: MIC-GPU: High-Performance Computing for Medical Imaging on Programmable Graphics Hardware (GPU). *SPIE on Medical Imaging 2010*. San Diego, CA.
- Xu, W.**, Mueller, K. (2009) Learning Effective Parameter Settings for Iterative CT Reconstruction Algorithms. *Fully 3D Image Reconstruction in Radiology and Nuclear Medicine*. Beijing, China.
- Xu, W.**, Mueller, K. (2009) Accelerating Regularized Iterative CT Reconstruction on Commodity Graphics Hardware (GPU). *IEEE International Symposium on Biomedical Imaging (ISBI)*. Boston, MA. (invited paper)
- Xu, W.**, Mueller, K. (2009) A Performance-Driven Study of Regularization Methods for GPU-Accelerated Iterative CT. *Workshop on High Performance Image Reconstruction (Fully 3D Image Reconstruction in Radiology and Nuclear Medicine)*. Beijing, China.

Computer Science

Mueller, K., **Xu, W.**, Zheng, Z., Xu, F. (2010) Course SC829: MIC-GPU: High-Performance Computing for Medical Imaging on Programmable Graphics Hardware (GPU). *SPIE on Medical Imaging 2010*. San Diego, CA.

Zhang, W. (2009) Improving Movie Gross Prediction Through News Analysis. *The 29th International Symposium on Forecasting*. Hong Kong, China.

Zheng, Z. (2009) High Precision Volume Rendering for CT. *CEWIT Conference*. Islandia, NY.

Mueller, K., Xu, W., **Zheng, Z.**, Xu, F. (2010) Course SC829: MIC-GPU: High-Performance Computing for Medical Imaging on Programmable Graphics Hardware (GPU). *SPIE on Medical Imaging 2010*. San Diego, CA.

Zhou, D., Gao, J. (2010) Maintaining Approximate Minimum Steiner Tree and k -center for Mobile Agents in a Sensor Network. *Proceedings 29th Annual IEEE Conference on Computer Communications (INFOCOM'10), Mini-Conference*. San Diego, CA.

Gao, J., **Zhou, D.** (2010) The Emergence of Sparse Spanners and Greedy Well Separated Pair Decomposition. *Proceedings 12th Scandinavian Symposium and Workshops on Algorithm Theory (SWAT'10)*. Bergen, Norway.

❖ Post-Doctorates Obtained and Professional Appointments

Borodin, Yevgen. (2010) Research Scientist. Computer Science Department, *Stony Brook University*, Stony Brook, NY.

❖ Software Developed

Fodor, P., Kifer, M. (2010) An Optimized Interpreter for Transaction Logic and a Performance Evaluation Suite. <http://flora.sourceforge.net/tr-interpreter-suite.tar.gz>. *Stony Brook University*, Stony Brook, NY

Fodor, P., Anicic, D. (2009-2010) ETALIS Engine for Complex Event Processing. Web page: <http://code.google.com/p/etalis>. Stony Brook, NY, *Included in "Languages for event processing", Event Processing Technical Society <http://www.ep-ts.com/content/view/79/109/> and "Fast Flowers delivery use case" chapter, accompanying the book "Event Processing In Action", by Opher Etzion and Peter Niblett, Manning Publications, 2009.*

❖ Internship Appointments

Deshpande, Pralhad. (2009) Summer Intern. *Bell Labs, Alcatel-Lucent*, Murray Hill, N.J.

Deshpande, Pralhad. (2010) Research Intern. *Microsoft Research*, Bangalore, India.

Hui, K. (2009) Research intern. *NEC Lab*, Princeton, NJ.

❖ Other

Borodin, Yevgen. (2010) Commencement Speaker. *Ph.D. Hooding Ceremony*, Stony Brook University, Stony Brook, NY.

ECOLOGY AND EVOLUTION

GRADUATE DIRECTOR: (PH.D.) JOHN TRUE
(M.A.) LEV GINZBURG
DEPARTMENT CHAIR: JESSICA GUREVITCH

❖ Grants, Fellowships, and Awards

- Aiello-Lammens, M.** (2009) Williams Award, \$500. *Department of Ecology and Evolution, Stony Brook University, Stony Brook, NY.*
- Aiello-Lammens, M.** (2010) Departmental Service Award. *Department of Ecology and Evolution, Stony Brook, NY.*
- Aldred, Mary.** (2010) Tibor T. Polgar Fellowship, \$4,800. *The Hudson River Foundation and the New York State Department of Environmental Conservation, New York, NY.*
- Aldred, Mary.** (2010) Robert R. Sokal Award for Research in Statistical Biology, \$500. *Department of Ecology and Evolution, Stony Brook University, Stony Brook, NY.*
- Aldred, Mary.** (2010) Graduate Research Fellowship Program, Honorable Mention. *National Science Foundation, Washington, D.C.*
- Cahill, Abigail.** (2009) International Research Experience for Students, \$4,000. *National Science Foundation and the University of Washington, Washington D.C. and Seattle, WA.*
- Fisher-Reid, M. Caitlin.** (2010) Gaige Fund Award, \$500. *American Society of Ichthyologists and Herpetologists, Lawrence, KS.*
- Fisher-Reid, M. Caitlin.** (2010) George C. Williams Award, \$500. *Department of Ecology and Evolution, Stony Brook University, Stony Brook, NY.*
- Fisher-Reid, M. Caitlin.** (2010) Conservation Leadership Award. *Department of Ecology and Evolution, Stony Brook University, Stony Brook, NY.*
- Grella, Rebecca A., Padilla, D., Perino, L.** (2010) Toyota TAPESTRY Grants for Science Teachers, \$10,000. *National Science Teachers Association, Arlington, VA.*
- Grella, Rebecca.** (2009) Second Annual NSF-Funded Short Course on Statistical Genetics & Statistical Genomics Registration Fee Award, \$250. *Department of Biostatistics, University of Alabama School of Public Health, Tuscaloosa, AL.*
- Grella, Rebecca.** (2009). Lemelson-MIT InvenTeams Grant, \$2000. *Lemelson-MIT Foundation, Boston, MA.*
- Grella, Rebecca.** (2010) National Science Teachers Association Travel Award, \$500. *National Science Teachers Association, Arlington, VA.*
- Grella, Rebecca.** (2009). Sokal Award, \$500. *Department of Ecology and Evolution, Stony Brook University, Stony Brook, NY.*
- Lyons, Patrick.** (2009) Graduate Fellowship, \$7,275. *Natural History Museum of Los Angeles County, Los Angeles, CA.*
- McCann, Michael.** (2010) The Lawrence B. Slobodkin Fund, \$500. *Department of Ecology and Evolution, Stony Brook University, Stony Brook, NY.*
- Moen, Daniel.** (2010) U.S. Student Fulbright Grant to Colombia, Travel/Stipend for 10 months. *U.S. Department of State, Washington, D.C.*

- Moen, Daniel** (2010) Smithsonian Predoctoral Research Fellowship, \$13,500. Smithsonian Institution. Washington, D.C.
- Moen, Daniel.** (2010) Tinker Field Research Grant, ~\$1500. *Latin American and Caribbean Studies, Stony Brook University.* Stony Brook, NY.
- Moen, Daniel.** (2010) Best Teaching Assistant Award. Dept. Ecology Evolution, Stony Brook University. Stony Brook, NY.
- Moen, Daniel.** (2010) Graduate Council Fellowship, \$20,000. *Graduate School, Stony Brook University.* Stony Brook, NY.
- Monzon, Javier.** (2009) LSAMP Bridge to the Doctorate Fellowship, \$30,000. *National Science Foundation,* Arlington, VA.
- Monzon, Javier.** (2009) Theodore Roosevelt Memorial Fund, \$1,500. *American Museum of Natural History,* New York, NY.
- Monzon, Javier.** (2010) Grants-in-Aid of Research, \$1,500. *American Society of Mammalogists.*
- Rollins, J.L.** (2010) Graduate Research Fellowship, \$90,000 for 3 years. *National Science Foundation.* Washington, D.C.
- Rollinson, Emily.** (2010) NSF Graduate Research Fellowship Program, \$40,500. *National Science Foundation,* Washington, D.C.
- Soda, K. James.** (2010) Friday Harbor Laboratories Scholarship, \$2,000. *Friday Harbor Laboratories,* Friday Harbor, Washington, D.C.
- Velasquez-Tibatá, Jorge.** (2009) Oral Presentation Award Finalist. *23rd Annual Meeting of the Society for Conservation Biology,* Beijing, China.
- Velasquez-Tibatá, Jorge.** (2009) Earth and Space Science Fellowship. *NASA,* Washington, D.C.
- Waldron, John.** (2010) Lawrence B. Slobodkin Fund Award, \$500. *Department of Ecology and Evolution,* Stony Brook University, Stony Brook, NY.

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

- Cogni, Rodrigo.** (2010) Biotic resistance to plant invasion? A native specialist herbivore shows preference for and higher fitness on an introduced host. *Biotropica*, 42: 188-193.
- Gray, Sarah.** (2010) Book review of *Environmental Biology: The conditions of life: Environmental selection, extinction, creation, adaptation and overpopulation* by T. Hilleman. *The Quarterly Review of Biology* 85(1): 92.
- Knowlton, Jessie L.** (2010) Breeding records of birds from the Tumbesian region of Ecuador. *Ornitologia Neotropical* (21):109-129.
- Knowlton, Jessie L.** (2010) Effects of habitat degradation on mixed species flocks of birds in the Tumbesian region of Ecuador. *American Ornithologist's Union.* San Diego, CA.
- Tinoco, Boris.** 2009. Seasonality of the bird community in the Tumbesian dry forest in south west Ecuador. *Ornitologia Neotropical* 20(2): 157-170.

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

- Cogni, Rodrigo & Futuyma, Douglas J.** (2009) Local adaptation in a plant herbivore interaction depends on the spatial scale. *Biological Journal of the Linnean Society* 97: 494-502.
- Knowlton, J.L. and **Graham, C.H.** (In Press) Using behavioral landscape ecology to predict species' responses to land-use and climate change. *Biological Conservation.*

- Hua, X.**, C. Fu, J., Li, A. Nieto-Montes de Oca, and J. J. Wiens. (2009) A revised phylogeny of Holarctic treefrogs (genus *Hyla*) based on nuclear and mitochondrial DNA sequences. *Herpetologica* 65: 246–259.
- Hua, X.**, and J. J. Wiens. (2010) Latitudinal variation in speciation mechanisms in frogs. *Evolution* 64: 429–443.
- Knowlton, J.L.** and Graham, C.H. (In Press) Using behavioral landscape ecology to predict species' responses to land-use and climate change. *Biological Conservation*.
- Lyons, Patrick**, Carol, C., Portnoy, J., Gwilliam, E (2009) Dynamics of Macroalgal Blooms along the Cape Cod National Seashore. *Northeast Naturalist* 16(1): 53-66.
- O'Donnell, K.** and M. Pigliucci. (In Press) Selection dynamics in native and introduced *Persicaria* species. *International Journal of Plant Sciences*.
- Park, P.J.** and M.A. Bell. 2010. Variation of telencephalon morphology of the threespine stickleback (*Gasterosteus aculeatus*) in relation to inferred ecology. *J. Evol. Biol.* In press.
- O'Donnell, K. and **Pigliucci, M.** (In Press) Selection dynamics in native and introduced *Persicaria* species. *International Journal of Plant Sciences*.
- Tinoco, B.A.**, Astudillo, P.X., Latta, S.C., Graham C.H. (2009) Distribution, Ecology and Conservation of an Endangered Andean Hummingbird: The Violet-Throated Metaltail (*Metallura Baroni*). *Bird Conservation International* 19 (1): 63-76.
- Graham C.H., Silva, N. & **Velasquez-Tibatá, J.** (In Press) Evaluating the potential causes of range limits of Andean birds. *Journal of Biogeography*.
- Graham, C.H., Loiselle, B.A., **Velásquez-Tibatá, J.** & Cuesta F. (In Press) Species distribution modelling and the challenge of predicting future distributions. *IAI-SCOPE*.

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

- Aiello-Lammens, M.** (2010) Herbaria specimens as a history lesson: the spread of Glossy buckthorn. *Department of Ecology and Evolution Retreat*. Stony Brook, NY.
- Aiello-Lammens, M.**, Akcakaya, H.R., Fischer, R.A., Convertino, M., Chu-Agor, M.L., Martinez, C., Linkov I. (2010) Integrated Climate Change and Threatened Bird Population Modeling to Assess Risks from Changes in Sea-level and Weather Patterns. *Society for Conservation Biology, 24th Annual Meeting*. Edmonton, AB.
- Aldred, Mary.** (2010) Effects of Wetland Plants on Denitrification Rates: A Meta-Analysis. *Joint Meeting of the American Society of Limnology and Oceanography and the North American Benthological Society: Aquatic Sciences: Global Changes from the Center to the Edge*. Santa Fe, NM.
- Brown, Leone.**, Velasquez-Tibata, J., Buermann, W., and Graham, C.H. (2009) The importance of habitat, bioregion and variable source in modeling distributions on threatened and endemic birds of Colombia. *Annual meeting for the American Ornithologist's Union*. Philadelphia, PA.
- Cahill, Abigail**, Crickenberger, S., Crim, R.N., Selden, R.L. (2010) Dispersal limitation and post-settlement survival of an introduced ascidian (*Botrylloides violaceus*) in San Juan Islands, WA. *Annual Meeting of the Society of Integrative and Comparative Biology*. Seattle, WA.
- Cogni, Rodrigo.** (2009) A free meal: no costs for acquiring defensive plant alkaloids in an arctiid moth (*Utetheisa ornatrix*). *Evolution*. Moscow, ID. *Gordon Conference on Plant-Herbivore Interactions*. Galveston, TX.

- Goldberg, Aaron**, Russell, A., Leon, Y., Núñez, M., and Davalos, L. (2009) How to store mammalian tissues for DNA-based analyses in tropical field conditions. *North American Symposium on Bat Research*. Portland, OR.
- Gray, Sarah**. (2009/2010) Inside the leaves of pitcher plants: a model food web for studying community ecology and species invasions. *Invited Talk*. Fribourg, Switzerland. *Invited Talk*. Jena, Germany.
- Gray, Sarah**. (2009) Helpful bacteria? The intricate relationship between the pitcher plant *Sarracenia purpurea* and its microscopic aquatic community. *Pine Barrens Forum*. Upton, NY. (invited poster)
- Padilla, Dianna and **Gray, Sarah**. (2009) Risky Business: Biological Invasion Through Aquarium Releases. *Pine Barrens Forum*. Upton, NY. (invited talk)
- Gray, Sarah**. (2009) A better predictor for intermediate trophic level invasion success: propagule pressure or competitive ability? *Ecological Society of America Conference*. Albuquerque, NM.
- Laybourn, Adam**. (2009) Community Structure of Three Tropical Dry Forests. *International Conference of the International Biogeography Society*. Merida, Mexico.
- Lyons, Patrick** (2009) Dynamics of shrimp goby mutualism in the Caribbean. *Society of Integrative and Comparative Biology Annual Meeting 2009*. Boston, MA.
- Lyons, Patrick** (2010) Shrimp-goby mutualism: insights into evolution of partner specificity and dependency. *Stony Brook Dept. of Ecology and Evolution Retreat*. Old Field, NY.
- Lyons, Patrick** (2010) Shrimp-goby mutualism: insights into evolution of partner specificity and dependency. *39th Annual Benthic Ecology Meetings*. Wilmington, NC.
- Moen, D.S.** (2009) The evolution of phenotypic diversity in clades and communities of frogs. *Invited Talk*. Fudan University, Shanghai, China. *Invited Talk*. Kunming Institute of Zoology, Kunming, China.
- Monzon, J.**, Moyer-Horner, L., and Palamar, M. (2010) Climate change and species range dynamics in protected areas. *NSF CUNY-SUNY Conference in Science and Engineering*. New York, NY. *95th Annual Meeting of the Ecological Society of America*. Pittsburgh, PA.
- Monzon, J.** and Kays, R. (2010) Beyond mitochondrial DNA: An analysis of population genetic structure in northeastern coyotes using highly variable SNPs. *90th Annual Meeting of the American Society of Mammalogists*. Laramie, WY.
- Monzon, Javier**. (2010) *U.S. National Park Service Park Break! Workshop*. Great Sand Dunes National Park and Preserve, CO.
- O'Donnell, Kelly**. (2009) Selection dynamics in native and introduced *Persicaria* species. *Odum Conference*. Rensselaerville, NY.
- Morales, Chris, **Opulente, Dana**, Bullaughey, Kevin, Moon, Seungjae, Bolen, Geoff, Fisher, Julius, Waldron, John, Dedousis, Demitri, Praissman, Laura, Carey, Lucas, and Rest, Joshua. (2009) A Fitness Landscape of Gene Expression. *Inaugural Symposium for the Laufer Center for Computational Biology and Genome Sciences*. Stony, Brook, NY. (poster)
- Dedousis, Demitri, Bolen, Geoff, Moon, Seungjae, **Opulente, Dana**, Morales, Chris, Carey, Lucas, Praissman, Laura, Liu, Chupiao, Bullaughey, Kevin, and Rest, Joshua. (2009) The Effect of Gene Expression Level on Yeast Growth. *Simons Program Symposium*. Stony, Brook, NY. (poster)
- Tinoco, Boris**. (2009) Influencia de factores a nivel local y de paisaje en la comunidad de aves de los bosques de Polylepis. *Taller de sociabilización del programa de investigación de aves del Parque Nacional Cajas*. Cuenca, Azuay/Ecuador.
- Tinoco, Boris**. (2009) Composición y Estructura de una comunidad de aves altoandinas en una gradiente de disturbio. *II Reunión Ecuatoriana de Ornitología*. Guayaquil, Guayas/Ecuador.
- Velásquez-Tibatá, Jorge**. (2009) Assessing the impact of climate change on birds of conservation concern in Colombia. *Society for Conservation Biology Meetings*. Beijing, China,

Morales, Chris, Dana Opulente, Kevin Bullaughey, Seungjae Moon, Geoff Bolen, Julius Fisher, **John Waldron**, Demitri Dedousis, Laura Praissman, Lucas Carey, and Joshua Rest. (2009) A Fitness Landscape of Gene Expression. *Inaugural Symposium for the Laufer Center for Computational Biology and Genome Sciences*. Stony, Brook, NY. (poster)

Warchola, Norah. (2010) Vegetation preference at multiple scales: Do small scale movement decisions shape landscape level distribution of butterflies. *95th Ecological Society of America Annual Meeting*. Pittsburgh, PA.

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

Cogni, Rodrigo. (2010) NSF Postdoctoral Fellow. Department of Ecology and Evolution, *Stony Brook University*, Stony Brook, NY.

❖ **Other**

Grella, Rebecca. (2010) ISWEEEP Teacher Recognition, International Bronze Medal Finalists. Student Scholarship, \$400. *International Sustainable World (Energy, Engineering, and Environment) Project Olympiad*, Houston, Texas.

Grella, Rebecca (2010). Organizer and Co-Developer of DNA Week. \$10,000. National Grid Foundation, Cold Spring Harbor Laboratory, Brentwood Union Free School District, Brentwood, NY.

ECONOMICS

GRADUATE DIRECTOR: HUGO BENITEZ-SILVA
DEPARTMENT CHAIR: WILLIAM DAWES

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

Balk, D., Montgomery, M.R., McGranahan, G., **Kim, D.**, Mara, V., Todd, M., Buettner, T. and Doreline, A. (2009) Mapping Urban Settlements and the Risks of Climate Change in Africa, Asia and South America. Pp. 80-103 in J.M. Guzman, G. McGranahan, D. Schensul and C. Tacoli (Eds.), *Population Dynamics and Climate Change*. New York and London: UNFPA and IIED.

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

Moore, Miranda. (2010) The Evolution of Fertility Expectations. *Eastern Economic Association 36th Annual Conference*. Philadelphia, PA.

❖ **Internship Appointments**

Moore, Miranda. (2009) Student Trainee. *Department of Labor Employee Benefits Security Administration, Office of Policy and Research*. Washington, D.C.

ENGLISH

GRADUATE DIRECTOR: ROWAN PHILLIPS
DEPARTMENT CHAIR: STEPHEN SPECTOR

❖ Grants, Fellowships, and Awards

- DeLuca, Katelynn.** (2010) Jack Kent Cooke Continuing Graduate Award, \$50,000. *Jack Kent Cooke Foundation*, Lansdowne, VA.
- Lukszo, Ursula.** (2009) Graduate Student Essay Competition Winner, \$900. *American Association for the Advancement of Slavic Studies*, Boston, MA.
- Neefe, Lauren.** (2009) Isaiah Thomas Stipend to attend the Summer Seminar in the History of the Book, \$250. *American Antiquarian Society*, Worcester, MA.
- Neefe, Lauren.** (2010) NeMLA Summer Travel Fellowship, \$1,000. *Northeast Modern Language Association*, Garden City, NY.
- Stock, Jessica.** (2010) NeMLA Travel Grant, \$275. *Northeast Modern Language Association*, Garden City, NY.
- Walsh, Rachel.** (2010) NeMLA Editor Assistantship, \$500. *Northeast Modern Language Association*, Garden City, NY.

❖ Singly Authored Publications/Research Reports/Reviews

- Falvey, Amy.** (In Press) Always Already Post: On the Machineries of Buildings and Bodies. *Spectator Vol.* 3(2).
- Hunter, Les.** (2009) *Cyrano de Bergen Country, New Jersey*. New York: Playscripts, Inc.
- Hunter, Les.** (2009) The Queens Mirror. *American Theatre Magazine* 26(October): 118-121.
- Walsh, Rachel.** (In Press) 'Not grace, then, but at least the body': the Vertigo of Ethics and Self-Narration in J.M. Coetzee's *Age of Iron*. *Twentieth-Century Literature*.
- Walsh, Rachel.** (In Press) What Stories We Tell When We Talk About Torture: Terrorism and the Geopolitics of Compassion in *Rendition* and *The Constant Gardener*. *Society and Space: Environmental Planning D*.
- Wright, Margaret S.** (2009) Wilde's 'Puritanism': Hester Worsley and the American Dream. *The Wildean* 35(July): 52-61.

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

- Edwards, Naomi.** (2010) Melancholic Ghosts in Monique Truong's *The Book of Salt*. *Association for Asian American Studies Annual Conference*. Austin, TX.
- Falvey, Amy.** (2010) Flesh and Food: Purchasing the Pure. *Southwest Graduate English Symposium*. Arizona State University, Phoenix, AZ.
- Galante, Nicole.** (2010) Teaching Trauma: Building an Affective Community in Response to the Holocaust. *Exploring the Edge of Trauma*. Kingston University, London, UK.
- Galante, Nicole.** (2010) Growing and Learning Online: Multimodal Technologies in the Humanities Classroom. *New York State Computers and Technology in Education, Hudson Valley Conference*. Wappingers Falls, NY.

- Hartman, Rachel.** (2010) Suburban Homes in Philip Roth's *American Pastoral* and Michael Chabon's *The Amazing Adventures of Kavalier and Clay*. *Northeast Modern Language Association*. Montreal, QB.
- Jones, Patrina C.** (2010) 'Lift Ev'ry Voice and Sing': Music and the African-American Novel. *10th Annual National Black Writer's Conference (NBWC)*. Center for Black Literature at Medgar Evers College of the City University of New York (CUNY), Brooklyn, NY. *African Literary Association (ALA)*. University of Arizona, Tucson, AZ. *AYA African American Studies Graduate Conference*. Temple University, Philadelphia, PA.
- Kilian, Lauren.** (2009) 'The Logic of the And': Don DeLillo and Jean-Luc Godard's Rhizomatic Dialogue. *International Association for Philosophy and Literature*. London, UK.
- Klein, Kathryn.** (2010) Haunted by a Lesbian Present? Kay Langrish in Sarah Waters's *The Night Watch*. *Northeastern Modern Language Association Conference*. Montréal, QB.
- Lukszo, Ursula.** (2009) Self-Fashioning Identity: Clothing and Subjectivity in *Orlando: A Biography*. *International Virginia Woolf Conference*. New York, NY.
- Lukszo, Ursula.** (2009) The Pleasures of the Text: Epistemologies and Geographies of Desire in Eliza Haywood's *Love in Excess*. *Northeast American Society for Eighteenth-Century Studies*. Ottawa, ON.
- Neefe, Lauren.** (2009) The Intentional Relay: The Dupin Tales as Epistolary Sequence. *Third International Edgar Allan Poe Conference: The Bicentennial*. Philadelphia, PA.
- Sovak, Anthony.** (2010) The Role of Voice and Contraries in Frost's Poem 'West-Running Brook'. *College English Association*. San Antonio, TX.
- Stock, Jessica.** (2010) Revising Moses: Memory and Jewish History in Benjamin and Freud. *Northeastern Modern Language Association Conference*. Montreal, QB.
- Stock, Jessica.** (2009) Jewish Representation in Trollope's Late Fiction. *SCMLA*. Baton Rouge, LA.
- Walsh, Rachel.** (2009) Reading for the Shadows: Repetition and the Uncanny in Faulkner's *Absalom, Absalom!* and *Go Down, Moses*. *The William Faulkner and Yoknapatawpha Conference*. Oxford, MS.
- Walsh, Rachel.** (2009) Scenes of Violence and Mourning in William Faulkner. *South Atlantic Modern Language Association Conference*. Atlanta, GA.
- Walsh, Rachel.** (2009) Human Rights and the Humanities. *South Atlantic Modern Language Association Conference*. Atlanta, GA.
- Walsh, Rachel.** (2010) Picturing Trauma and Complicity in Ari Folman's *Waltz with Bashir*. *Northeast Modern Language Association Conference*. Montreal, QB.
- Wright, Margaret.** (2009) 'Saint' Barbara? Falling From Grace in *Major Barbara*. *Shaw and Politics: An International Bernard Shaw Conference Sponsored by the International Shaw Society*. The Catholic University of America, Washington, DC.
- Wright, Margaret.** (2010) Protestant or Predator?: Miss Clack in Wilkie Collins's *The Moonstone*. *Northeastern Modern Language Association Conference*. Montreal, QB.

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

- Wade, Stephanie.** (2010) Assistant Professor. Writing Arts Department, *Rowan University*, Glassboro, New Jersey.

❖ **Other**

Hunter, Les. (2010) Playwright. *Cyrano de Bergen County, New Jersey*. Cedar Park Christian School, Lake Stevens, WA.

Hunter, Les. (2010) Playwright. *167 Tongues*. Jackson Repertory Theatre, Queens, NY.

Hunter, Les. (2010) Playwright. *Lion of the East*. The Meetup Group, New York, NY.

GENETICS

GRADUATE DIRECTOR: GERALD THOMSEN

❖ Grants, Fellowships and Awards

Carey, Lucas B. (2010) Postdoctoral Fellowship, \$28,000. *Weizmann Institute of Science*, Rehovot, Israel.

Rajaram, Megha. (2010) A.D. Sobel - ASIP Education Fund Trainee Award, \$500. *American Society for Investigative Pathology*, Bethesda, MD.

❖ Singly Authored Publications/Research Reports/Reviews

Lachance, Joseph. (2009) Inbreeding, pedigree size, and the most recent common ancestor of humanity. *Journal of Theoretical Biology* 261: 238-247.

❖ Jointly Authored Publications/Research Reports/Reviews

Bombardelli, Lorenzo, Carpenter, E.S., Wu, A.P., Alston, N., Delgiorno, K.E., and Crawford, H.C. (2010). Pancreas specific ablation of beta1 integrin induces tissue degeneration by disrupting acinar cell polarity. *Gastroenterology* 138(7): 2531-40.

Carey, Lucas B., J.K. Leatherwood, et al. (2008). Huxley's revenge: cell-cycle entry, positive feedback, and the G1 cyclins. *Molecular Cell* 31(3): 307-308.

Wang, H., **Carey, Lucas B.** et al. (2009). Recruitment of Cln3 cyclin to promoters controls cell cycle entry via histone deacetylase and other targets. *PLoS Biol* 7(9): e1000189.

Cheloufi, Sihem, Camila O. Dos Santos, Mark M.W. Chong and Gregory J. Hannon (2010) A dicer-independent miRNA biogenesis pathway that requires Ago catalysis. *Nature* 465(7298): 584-9.

Tam, O.H., Aravin, A.A., Stein, P., Girard, A., Murchison, E.P., **Cheloufi, Sihem,** Hodges, E., Anger, M., Sachidanandam, R., Schultz, R.M., Hannon, G.J. (2008) Pseudogene-derived small interfering RNAs regulate gene expression in mouse oocytes. *Nature* 453(7194): 534-8.

Liu, C., **Gersch, Robert P.,** Hawke, T.J., Hadjiargyrou, M. (2010) Silencing of *Mustn1* inhibits myogenic fusion and differentiation. *Am J Physiol Cell Physiol.* 298(5):C1100-8.

Prieto-Echagüe, V., **Gucwa, Azad,** Craddock, B.P., Brown, D.A., Miller, W.T. (2010) Cancer-associated Mutations Activate the Nonreceptor Tyrosine Kinase Ack1. *The Journal of Biological Chemistry* 285: 10605-10615.

Hosszu, Kinga, Santiago-Schwarz, F., Peerschke, E., Ghebrehiwet, B. (2009). Peripheral blood monocytes express surface C1q and its orientation may dictate early events of monocyte to dendritic cell differentiation. *J Immunol.* 182: 134.62.

Hosszu, Kinga, Santiago-Schwarz, F., Peerschke, E., Ghebrehiwet, B. (2010) Evidence that a C1q/C1qR system regulates monocyte-derived dendritic cell differentiation at the interface of innate and acquired immunity. *Innate Immunity* 16(2): 115-127.

Klein, Kathryn A. and Bliska, J.B. (2009) How *Yersinia pestis* becomes a foreign obstruction in the digestive system of the macrophage. *Autophagy* 5(6): 882-3.

Lachance, Joseph, True, J.R. (2010) X-autosome incompatibilities in *Drosophila melanogaster*: tests of Haldane's rule and geographic patterns within species. *Evolution.* doi: 10.1111/j.1558-5646

- Wang, L.W., **Leonhard-Melief, Christina**, Haltiwanger, R.S., Apte, S.S. (2009) Post-translational modification of thrombospondin type-1 repeats in ADAMTS-like 1/punctin-1 by C-mannosylation of tryptophan. *J Biol Chem* 284(44): 30004-15.
- Platz, Gabrielle J.**, Bublitz, D.C., Mena, P., Benach, J.L., Furie, M.B., and Thanassi, D.G. (2010) A toIC mutant of *Francisella tularensis* is hypercytotoxic and elicits increased proinflammatory responses from host cells. *Infection and Immunity* 78: 1022-1031.
- Penzo, M., Molteni, R., Suda, T., **Samaniego, Sylvia**, Raucchi, A., Habel, D.M., Miller, F., Jiang, H.P., Li J., Pardi, R., Palumbo, R., Olivotto, E., Kew, R.R., Bianchi, M.E., Marcu, K.B. (2010) Inhibitor of NK-kappaB kinases alpha and beta are both essential for high mobility group box 1-mediated chemotaxis. *Journal of Immunology* 184(8): 4497-509.
- Weinthal, D., **Tovkach, Andriy**, Zeevi, V. and Tzfira, T. (2010). Genome Editing in Plant Cells by Zinc Finger Nucleases. *Trends in Plant Science* 15(6):308-21.
- Ulloa, Nadine**, and Deutsch, D. (2010) Assessment of a spectrophotometric assay for monoacylglycerol lipase activity. *American Association of Pharmaceutical Sciences Journal*. 12(2): 197-201.

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

- Cheloufi, Sihem**. (2010) Why is Ago catalysis conserved in vertebrates? *Keystone Symposia: RNA Silencing: Mechanisms, Biology and Application*. Keystone, CO.
- Cheloufi, Sihem**. (2010) A Dicer independent biogenesis of an erythropoietic miRNA requires Argonaute 2 catalysis. *microRNAs in Human Disease*. Frigate Bay, Saint Kitts and Nevis, West Indies.
- He, Miao**, Wang, Xiaowo, Zhang, Michael Q., Hannon, Gregory, Huang, Z Josh. (2010) Cell type based analysis of miRNA profile in neocortex. *Neural circuits, Cold Spring Harbor Laboratory*, Cold Spring Harbor, NY. (poster)
- Hosszu, Kinga**, Santiago-Schwarz, F., Peerschke, E., Ghebrehiwet, B. (2009) Peripheral blood monocytes express surface C1q and its orientation may dictate early events of monocyte to dendritic cell differentiation. *96th Annual Meeting of the American Association of Immunologists*. Seattle, WA.
- Lachance, Joseph**. (2009) X-autosome incompatibilities in *Drosophila melanogaster*: tests of Haldane's rule and geographic patterns within species. *Evolution 2009*. Moscow, IN.
- Rossmann, Marlies**, Chabes, A., Stillman, B. (2009). Investigating the role of PCNA in heterochromatin formation. *Yeast Cell Biology Conference and Eukaryotic DNA Replication & Genome Maintenance Conference*. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.
- Sitaraman, Varsha**. (2010) Genetically Re-engineered AAV Rep78 Identifies Sequence-Restricted Inhibitory Regions Affecting Adenoviral Replication. *13th Annual Meeting of the American Society for Cell and Gene Therapy*. Washington, D.C.
- Torres, AnnMarie**. (2010) Characterization of a *Salmonella*-induced T cell inhibitor. *Keystone Symposium: Lymphocyte Activation and Gene Expression*. Breckenridge, CO.
- Vink, Elizabeth**, Wu, K., Yondola, M., Hearing, P. (2009) Characterization of TIF1alpha and TIF1gamma Protein Domains Required for Interaction with the Adenovirus E4-orf3 Protein. *DNA Tumor Virus Meeting*. Oxford, UK.
- Wu, Xiaoyun**, Huang, Z. Josh. (2010) Visualizing the activation and plasticity of GABAergic neurons through activity-regulated transcription of the Gad67 gene. *Neuronal Circuit Meeting*. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.
- Wu, Xiaoyun**, Jing, Deqiang, Lee, Francis, Huang, Z. Josh. (2010) Development of fluorescence based reporter mouse strains for brain wide functional mapping of interneurons. *New York Biotech Association 20th Meeting*. New York, NY.

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

Carey, Lucas. (2010) Postdoctoral Fellow. Department of Applied Math and Computer Science, *Weizmann Institute of Science*, Rehovot, Israel.

Gersch, Robert. (2009) Assistant Professor. Department of Surgery, *Stony Brook University*, Stony Brook, NY.

Tovkach, Andriy. (2009) Postdoctoral Fellow. *CSIRO Plant Industry*, Canberra, Australia.

GEOSCIENCES

GRADUATE DIRECTOR: BRIAN PHILLIPS
DEPARTMENT CHAIR: RICHARD REEDER

❖ Grants, Fellowships, and Awards

Long, Hui. (2009) Excellence in Teaching. *The Department of Geosciences*, Stony Brook University, Stony Brook, NY.

Whitaker, Matthew L. (2009) COMPRES Student Travel Scholarship (\$500). *COMPRES*, Stony Brook University, Stony Brook, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

Conselice, C. J., and **Arnold, J. A.** (2009) The Structures of Distant Galaxies - II: Diverse Galaxy Structures and Local Environments at $z = 4 - 6$; Implications for Early Galaxy Assembly. *Monthly Notices of the Royal Astronomical Society* 397(1).

Cohn, C.A., Pedigo, C.E., Hylton, S.N., Simon, S.R., Schoonen, M.A. (2009) Evaluating the use of 3'-(p-Aminophenyl) fluorescein for determining the formation of highly reactive oxygen species in particle suspensions. *Geochem Trans.* 11(10): 8.

Cohn, C.A., Fisher, S.C., Brownawell, B.J., Schoonen, M.A. (2010) Adenin oxidation by pyrite-generated hydroxyl radicals. *Geochemical Transactions* 11: 2.

Schoonen M.A., **Harrington, A.D.**, Laffers, R., and Strongin, D.R. (In Press) Role of Hydrogen Peroxide and Hydroxyl Radical in Pyrite Oxidation by Molecular Oxygen. *Geochimica et Cosmochimica Acta*.

Nekvasil, H., McCubbin, F.M., **Harrington, A.D.**, Elardo, S.M., and Lindsley, D.H. (2009) Linking the Chassigny meteorite and the Martian surface rock Backstay: Insights into igneous crustal differentiation processes on Mars. *Meteoritics and Planetary Science* 44(6): 853-869.

Cohn, C.A., Pedigo, C.E., **Hylton, S.N.**, Simon, S.R., Schoonen, M.A. (2009) Evaluating the use of 3'-(p-Aminophenyl) fluorescein for determining the formation of highly reactive oxygen species in particle suspensions. *Geochem Trans.* 11(10): 8.

Li, Wei, Feng, Jian, Kwon, Kideok, Kubicki, James D., Phillips, Brian L. (2010) Surface speciation of phosphate on boehmite (γ -AlOOH) determined from NMR spectroscopy. *Langmuir* 26(7): 4753-4761.

Lee, Young J., Stephens, Peter W., Tang, Yuanzhi, **Li, Wei**, Phillips, Brian L., Parise, John B., Reeder, Richard J. (2009) Arsenate substitution in hydroxylapatite: Structural characterization of the $\text{Ca}(\text{P}_x\text{AsO}_4)_3\text{OH}$ solid solution. *American Mineralogist* 94: 666-675.

Wen, Lianxing and **Long, Hui.** (2010) High-precision Location of North Korea's 2009 Nuclear Test. *Seismological Research Letters* 81: 26-29.

Mason, H.E., Hirner, J., Xu, W., Parise, J.B., and Phillips, B.L. (2009) Solid-State NMR spectroscopy of Pb-rich apatite. *Magnetic Resonance in Chemistry* 47: 1062-1070.

Wander, Matthew C.F., Kubicki, James D., Clark, Aurora E., Schoonen, Martin A.A. (2010) Ferrous Iron Reduction of Superoxide, A Proton-Coupled Electron-Transfer Four-Point Test. *Journal of Physical Chemistry A* 113(6): 1020-1025.

Liu, Q., Liu, W., **Whitaker, M.**, Wang, L., Li, B. (In Press) Ultrasonic study of fayalite-spinel phase transition at high pressure. *Am. Min.*

- Banerjee, D., Kim, S. J., Borkowski, L.A., **Xu, W.**, Parise, J.B. (2010) Solvothermal Synthesis and Structural Characterization of Ultralight Metal Coordination Networks. *Crystal Growth & Design*, 10(2): 709–715.
- Xu, W.**, Tosca, N.J., McLennan, S.M., Parise, J.B. (2009) Humidity-induced phase transitions of ferric sulfate minerals studied by in situ and ex situ X-ray diffraction. *American mineralogist* 94(11-12): 1629-1637.
- Mason, H.E., Hirner, J.J., **Xu, W.**, Parise, J.B., Phillips, B.L. (2009) Solid-state NMR spectroscopy of Pb-rich apatite. *Magnetic Resonance in Chemistry* 47(12): 1062-1070.
- Zhu, W.**, Baud, P., and Wong, T.-F. (2010) Micromechanics of cataclastic pore collapse in limestone. *J. Geophys. Res.* 115: B04405. doi: 10.1029/2009JB006610
- Vajdova, V., **Zhu, W.**, Chen, T. N., and Wong, T. (In Press) Micromechanics of brittle faulting and cataclastic flow in Tavel limestone. *Journal of Structural Geology*.

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

- Arnold, J. A.**, Glotch, T. D., Bandfield, J. L., Greenhagen, B. T., Lucey, P. G., Wyatt, M. Paige, D. (2010) Local-scale Spectral Variability of the South Pole-Aitken Basin. *Lunar and Planetary Science Conference*. Houston, TX. (poster)
- Arnold, J. A.**, Glotch, T. D., Bandfield, J. L., Greenhagen, B. T., Lucey, P. G., Wyatt, M. Paige, D. (2010) Mafic Mineralogy of Large Impact Basins. *NASA Lunar Science Forum*. Moffett Field, CA. (abstract)
- Che, C.**, Glotch, T. D. (2009) Analysis of Laboratory Mixtures of Sulfates and Clays Using VNIR Reflectance and Mid-IR Emissivity Spectral Data. *American Geophysical Union Fall Meeting*. San Francisco, CA.
- Che, C.**, Glotch, T. D. (2010) The Effect of High Temperatures on the Emission and VNIR Reflectance Spectra of Phyllosilicates and Zeolites. *41th Lunar and Planetary Science Conference*. The Woodlands, TX.
- Che, C.**, Glotch, T. D. (2010) Spectroscopic Analysis of the Dehydration and/or Dehydroxylation of Phyllosilicates and Zeolites. *THEMIS Science Team Meeting*. The island of Hawaii, HI.
- Harrington, A.D.**, Hylton S., and Schoonen, M.A.A. (2010) Pyrite driven ROS formation in simulated lung fluid: Implications for coal workers' pneumoconiosis. *American Chemical Society 239th National Meeting*. San Francisco, CA.
- Schoonen M.A.A., **Harrington, A.D.**, and Stongin D.R. (2010) Role of hydrogen peroxide and hydroxyl radical in the oxidation of pyrite by molecular oxygen. *American Chemical Society 239th National Meeting*. San Francisco, CA.
- Hylton, Shavonne**. (2009) An Acellular and *In Vitro* Assessment of Environmentally-Induced Reactive Oxygen Species using 3'-(p-Aminophenyl) Fluorescein and Lung Epithelial Cells. *Geochemical Society of America*. Portland, OR.
- Harrington, A.D., **Hylton S.**, and Schoonen, M.A.A. (2010) Pyrite driven ROS formation in simulated lung fluid: Implications for coal workers' pneumoconiosis. *American Chemical Society 239th National Meeting*. San Francisco, CA.
- Jensen, H.B.** and Glotch, T.D. (2009) Characterizing Putative Chloride Salt Deposits on Mars using THEMIS, TES, and CRISM Data. *American Geophysical Union Fall Meeting*. San Francisco, CA.
- Jensen, H.B.** and Glotch, TD. (2010) Near Infrared Spectral Analysis of Mixtures of Halite and Labradorite for Application to Putative Chloride Salt Deposits Observed by CRISM. *41st Lunar and Planetary Science Conference*. The Woodlands, TX.

- Jensen, H.B.** and Glotch, TD. (2010) Investigating the spectral character of putative chloride salt deposits on Mars using THEMIS and CRISM data. *THEMIS Science Team meeting*. Kailua, HI.
- Li, Wei,** Xu, Wenqian, Phillips, Brian L. (2010) Spectroscopic studies of the effect of calcium on phosphate uptake by boehmite. *239th ACS National Meeting*. San Francisco, CA. (poster)
- Li, Wei,** Tang, Yuanzhi, Reeder, Richard J., Phillips, Brian L. (2009) X-ray absorption spectroscopic and nuclear magnetic resonance studies of phosphate and arsenate sorption on gamma-Al₂O₃ surface. *International Conference on the Environmental Implications and Applications of Nanotechnology*. Amherst, MA. (poster)
- Long, Hui.** (2009) Using EarthScope data to study the mantle structure beneath Central America. *2009 AGU fall meeting*. San Francisco, CA.
- Thompson, M. L.,** Weidner, D., Oganov, A. R. (2009) *Ab initio* MD determination of subducting basalt: first steps. *AGU Fall Meeting*. San Francisco, CA. (abstract)
- Whitaker, M.L.,** Liu, Q., Liu, W., Wang, L., and Li, B. (2009) A Journey Toward the Center of the Earth. *COMPRES 2009 Annual Meeting*. Bretton Woods, NH. (abstract/poster/invited talk)
- Whitaker, Matthew L.,** Liu, W., Weidner, D. J., Li, B. (2009) A Journey Toward the Center of the Earth – Iron/Light-Element Alloys at Extreme Conditions and Their Implications for the Earth's Core. *AGU Fall Meeting*. San Francisco, CA.
- Smirnov, A., DeCesare, M., **Woerner, W.,** and Schoonen, M.A.A. (2010) The role of Mo, V, (Fe, S) substrates in abiotic nitrogen fixation. *Astrobiology Science Conference 2010*. League City, TX. (poster)
- Xu, W.,** Parise, J. B. (2009) (H₃O)Fe(SO₄)₂, a new phase formed by dehydrating rhomboclase. *40th Lunar and Planetary Sciences Conference*. Houston, TX. (abstract)
- Zhu, W.,** Baud, P., and Wong, T.-F. (2009) Micromechanical modeling of cataclastic pore collapse in limestones. *AGU Fall Meeting*. San Francisco, CA. *8th Euro Conference of Rock Physics and Geomechanics*. Ascona, Switzerland.
- Vajdova, V., **Zhu, W.,** Chen, T.N., and Wong, T.-F. (2009) Brittle Faulting and Cataclastic Flow in Tavel Limestone. *AGU Fall Meeting*. San Francisco, CA.

❖ Post-Doctorates Obtained and Professional Appointments

- Hahn, Brian C.** (2009) Postdoctoral Research Associate. Dept. Earth and Planetary Sciences, *University of Tennessee*, Knoxville, TN.
- Mason, Harris E.** (2009) Postdoctoral Fellow. Physical and Life Sciences Directorate, *Lawrence Livermore National Laboratory*, Livermore, CA.
- Whitaker, Matthew L.** (Sept 2009 - April 2010) Postdoctoral Associate. Geodynamics Research Center, *Ehime University*, Ehime, Japan.
- Whitaker, Matthew L.** (2010) Assistant Professor. Geodynamics Research Center, *Ehime University*, Ehime, Japan.

HISPANIC LANGUAGES, LITERATURES AND CULTURES

GRADUATE DIRECTOR: KATHLEEN VERNON
DEPARTMENT CHAIR: VICTORIANO RONCERO-LÓPEZ

❖ Grants, Fellowships, and Awards

- Aguasaco, Carlos.** (2010) Winner of the Golden India Catalina statuette (Premio India Catalina) for Best Video Art. *50th Cartagena International Film Festival*, Cartagena, Colombia.
- Allbritton, Dean.** (2010) The Humanities Institute Fellowship for the Cornell School of Criticism and Theory, \$2,300. *Stony Brook University*, Stony Brook, NY.
- Allbritton, Dean.** (2010) Tinker Field Research Grant, \$1,450. *Stony Brook University*, Stony Brook, NY.
- Allbritton, Dean.** (2010) The Burghardt W. Turner Summer Research Grant, \$2,000. *Stony Brook University*, Stony Brook, NY.
- Allbritton, Dean.** (2010) Research Assistantship, \$2,500. *Stony Brook University*, Stony Brook, NY.
- Corniel, Zaida.** (2010) Tinker Field Research Grant, \$1,292. *LACS*, Stony Brook University, Stony Brook, NY.
- Garcia, Miguel.** (2010) Tinker Field Research Grant, \$1,283. *Stony Brook University*, Stony Brook, NY.

❖ Singly Authored Publications/Research Reports/Reviews

- Aguasaco, Carlos.** (2009) Del post-estructuralismo a Hegel. *Periódico de Libros Lecturas Críticas* 6/7 : 12-14.
- Aguasaco, Carlos.** (2009) Parque. *Navegaciones Zur Revista del Centro Yucateco de Escritores A.C.* 54 y 55: 43.
- Aguasaco, Carlos.** (2009) Yo moriré en silencio, con los ojos abiertos. In Roberto Reséndiz (Ed.), *Antología del XIII Encuentro Internacional de Poetas*. Zamora, México: Conacultura.
- Allbritton, Dean.** (In Press) On infirm ground: Masculinity and Memory in *El Mar. Post Script*.
- Carrasco-Perezagua, Marina Sonia.** (2009) Fredo y La Máquina. *Sibila* 31: 18-19.
- Carrasco-Perezagua, Marina Sonia.** (2010) La Impenetrable. *Sibila* 32: 22-24.
- Carrasco-Perezagua, Marina Sonia.** (2010) Bodas de Oro. *Renacimiento* 65-66: 90-93.

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

- Allbritton, Dean.** (2010) Infecting Memory: Viral Violence in Villaronga's *In a Glass Cage*. *American Comparative Literature Association 2010 National Conference*. New Orleans, LA.
- Allbritton, Dean.** (2009) Manscapes: Topographies of Masculinity in Marc Recha's *Dies d'agost*. *Geographical Imaginaries & Hispanic Film*. Tulane University, New Orleans, LA.
- Álvarez, María Gabriela.** (2010) Masculinity (and Mexican National Identity) is a Joke: Carlos Cuarón's *Rudo y Cursi* Takes a Jab. *NeMLA Convention*. Montreal, QB.
- Celleri, Maria.** (2010) Voz femenina articula la historia no-oficial del Cono Sur: Conversación al sur. *Hispanic Languages and Literature Department Colloquium*. Stony Brook University, Stony Brook, NY.

- Corniel, Zaida.** (2009) La Mirada Hacia el “Otro”. Una construcción Post Tourist en ¿Quién Diablos Juliette? Y Sanky Panky. *Hispanic Languages and Literature Department Colloquium*. Stony Brook University, Stony Brook, NY.
- Fernández, Ramón.** (2010) Contextos culturales dominicanos, tres preguntas a Maggiolo sobre la memoria y la dictadura dominicana: *Materia Prima*. *Hispanic Languages and Literature Department Colloquium*. Stony Brook University, Stony Brook, NY.
- Fernández, Ramón.** (2009). From Being to Ser y Estar: La adquisición de los verbos Ser y Estar. *Second Language Acquisition Symposium*. Department of Hispanic Languages & Literature, Stony Brook University, Stony Brook, NY.
- Fernández González, Ana.** (2010) La figura del moro y su relación con el sujeto femenino en Pasión de Moro de Margarita Astray Reguera y La desertora de Halma Angélico. *16th annual UNM Conference on Ibero-American Culture and Society*, “Moros, Moriscos, Marranos y Mestizos: Alterity, Hybridity Identity in Diaspora”. University of New Mexico, Albuquerque, NM.
- Fernández González, Ana.** (2010) Comida, memoria y creación de identidades en Caramelo de Sandra Cisneros y Monkey Hunting de Cristina García. *6th Interdisciplinary and Multicultural Conference on Food Representation in Literature, Film and the Other Arts*. University of Texas, San Antonio, TX.
- García, Miguel.** (2010) An Exploration of the Spanish Intonational Patterns within the Sp_ToBI System. *International Conference on Linguistic Analysis*. Universidad Nacional Mayor de San Marcos, Lima, Peru.
- Moraga Vidal, Juan Carlos.** (2010) Carmen Boulosa’s *La otra mano de Lepanto* as a Transatlantic Text. *Intersticios y otros espacios, Student Conference of Hispanic Literary and Cultural Studies*. UIC, Chicago, IL.
- Ralph, Salma.** (2009) Reclaiming Space at the Borderlands in Helena Viramontes’s *Their Dogs Came with Them*. *Hispanic Languages and Literature Department Colloquium*. Stony Brook University, Stony Brook, NY.
- Shilova, Anna.** (2009/2010) Sor Juana y María Luisa (Bemberg): La vida y obra en transgresión. *Hispanic Languages and Literature Department Colloquium*. Stony Brook University, Stony Brook, NY. *Two Hundred Years of Postcolonial Futures*. Stony Brook Manhattan, New York, NY.

❖ **Exhibitions/Performances**

- Mirón, Ana.** (2009) Choreographed workshop and performance: Pachamama: Ritual and technology (Earth Oven). *Mildred’s Lane “The Land” summer postgraduate artist residency*. Road Beach Lake, PA.
- Mirón, Ana.** (2009) Photography Exhibition: Casper David Friedrich and The Sublime Fruits of Desire. *La Casona Garden*. Homestead, FL.

❖ **Other**

- Allbritton, Dean.** (2010) Accepted Attendee. *The Cornell School of Criticism and Theory*, Cornell University, Ithaca, NY.
- Allbritton, Dean.** (2010) Organizer. *Cycles: 3rd Annual Women’s and Gender Studies Graduate Conference*. Stony Brook University, Manhattan, NY.
- Álvarez, María Gabriela.** (2009-2010) Organizer. *Hispanic Languages and Literature Department Colloquia*. Stony Brook University, Stony Brook, NY.

HISTORY

GRADUATE DIRECTOR: PAUL ZIMANSKY
DEPARTMENT CHAIR: MICHAEL BARNHART

❖ Grants, Fellowships, and Awards

- Anzalone, Jonathan.** (2010) Travel Grant, \$500. *American Society for Environmental History*, Cary, NC.
- Enciso, Froylan.** (2009-2012) Secretary of Public Education Complementary Stipend, \$10,000. Mexican Federal Government. Mexico City, Mexico.
- Enciso, Froylan.** (2009-2010) CONACyT Fellowship for PhD Studies, \$10,000. *National Council for Science and Technology of Mexico*, Mexico City, Mexico.
- Lee, Choonib.** (2010) Hartog Travel Grant, \$500. *Stony Brook Foundation, Inc.*, Stony Brook, NY.
- Martone, Eric.** (2010) Project Grant, \$2,000. *West European Studies National Resource Center*, Indiana University, Bloomington, IN.
- Offenbach, Seth.** (2009) Graduate Student Travel Grant, \$250. *Arizona Historical Foundation*, Tempe, AZ.
- Offenbach, Seth.** (2009) Hayek Fund for Scholars, \$325. *Institute for Humane Studies*, Arlington, VA.
- Offenbach, Seth.** (2010) Divine Graduate Travel Fund, \$550. *Society for Historians of American Foreign Relations*, Columbus, OH.
- Scalena, Matthew.** (2010) International Dissertation Research Fellowship, \$20,000. *Social Science Research Council*, Brooklyn, NY.
- Zúñiga-Espinoza, Cristóbal.** (2010) SHAFR Diversity Fellowship, supporting attendance at the SHAFR Annual Conference, \$1,000. *SHAFR*, Boulder, CO.
- Zúñiga-Espinoza, Cristóbal.** (2009) John F. Kennedy Library Foundation Research Grant for Doctoral Dissertation Research, \$1,000. *John F. Kennedy Library Foundation*, Boston, MA.
- Zúñiga-Espinoza, Cristóbal.** (2009) Pre-Dissertation Travel Grant, \$1,650. *Tinker Foundation*, Latin American and Caribbean Studies Center, Stony Brook University, Stony Brook, NY.

❖ Singly Authored Publications/Research Reports/Reviews

- Abad-Izquierdo, Melixa.** (In Press) The Cultural and Political Economy of the Mexican Telenovela, 1950-1970. In D. Rios & M. Castaneda (Eds.), *Soap Operas and Telenovelas in the Digital Age: Global Industries, Hybrid Content, and New Audiences*. New York: Peter Lang.
- Anzalone, Jonathan.** (2010) Food and Drug Administration. In Kathleen Brosnan (Ed.), *Encyclopedia of American Environmental History*. New York: Facts on File.
- Buffett, Neil P.** (2009) "We Were Pretty Gung-Ho; We were Going to Save the World": High School Student Activism in Defense of Long Island's Nissequogue River, 1970-1979. *Long Island Historical Journal Online* (Fall 2009). <http://www.stonybrook.edu/lihj/>
- Buffett, Neil P.** (2010) Review of *Shaping the Shoreline: Fisheries and Tourism on the Monterey Coast* by Connie Y. Chiang. *Journal of Social History* (Spring 2010): 760-762.
- Enciso, Froylan.** (In Press) Los fracasos del chantaje. Régimen de prohibición de drogas y narcotráfico en México. In Arturo Alvarado and Mónica Serrano (Eds.), *Seguridad nacional en el siglo XXI*. México: El Colegio de México.

- Enciso, Froylan.** (2009) A manera de prólogo. Bienvenido a Sinaloa. In Diego Enrique Osorno (Ed.), *El cartel de Sinaloa. Una historia del uso político del narco*. México: Grijalbo/Random House Mondadori.
- Enciso, Froylan.** (2009) Drogas, narcotráfico y políticas en México: protocolo de hipocresía (1969-2000). In Ilán Bizberg y Lorenzo Meyer (Eds.), *Una historia contemporánea de México. Las políticas*. México: Océano/El Colegio de México.
- Enciso, Froylan.** (2009) Régimen global de prohibición, actores criminalizados y la cultura del narcotráfico en México durante los 1970. *Foro internacional* 49(3): 595-637.
- Enciso, Froylan.** (2009) Review of *La otra guerra secreta. Los archivos prohibidos de la prensa y el poder* by Jacinto Rodríguez Murguía (Mexico: Debate, 2007). *Estudios interdisciplinarios de América Latina y el Caribe* 20(2): 163-165.
- Enciso, Froylan.** (2009) Review of *Oaxaca sitiada. La primera insurrección del siglo XXI* by Diego Enrique Osorno. *Foro Internacional* 49(2): 435-439.
- Enciso, Froylan.** (2009) Review of *Las manos sucias del PAN. Historia de un atraco multimillonario a los más pobres* by José Reveles. *Foro Internacional* 49(1): 218-222.
- Enciso, Froylan.** (2009) Review of *Artífices y operadores de la diplomacia mexicana siglos XIX y XX* by Agustín Sánchez Andrés, Rosario Rodríguez Díaz, Fernando Alanís Enciso and Enrique Camacho Navarro (Eds.). *Historia Mexicana* 58(3): 1208-1220.
- Hall, Clarence Jefferson.** (2010) "Private Housing." *Encyclopedia of American Environmental History*. New York: Facts on File.
- Martone, Eric.** (2010) "African Imperialism." In Leslie Alexander and Walter Rucker (Eds.), *Encyclopedia of African American History*. Santa Barbara, CA: ABC-CLIO.
- Martone, Eric.** (2010) FDR, France, and Global Peace: A DBQ Activity. *Social Science Docket* 10: 40-42.
- Martone, Eric.** (2009) Treacherous 'Saracens' and Integrated Muslims: The Islamic Outlaw in Robin Hood's Band and the Re-Imagining of English Identity, 1800 to the Present. *Miscelánea: A Journal of English and American Studies* 40: 53-76.
- Martone, Eric.** (2009) "Comte de Rochambeau." In Immanuel Ness (Ed.), *International Encyclopedia of Revolution and Protest*. Malden, MA: Blackwell.
- ❖ **Jointly Authored Publications/Research Reports/Reviews**
- Martone, Eric** and Nicole Martone. (2009) "17th-Century Revolts in the South of Italy." In Immanuel Ness (Ed.), *International Encyclopedia of Revolution and Protest*. Malden, MA: Blackwell.
- Zúñiga-Espinoza, Christóbal.** (In Press) Central American Court of Justice. Edén Pastora Gómez, Guani Doctrine, International Telephone and Telegraph Company. *Encyclopedia of United States-Latin American Relations*. CQ Press.
- ❖ **Abstracts, Conferences/Colloquia, Presentations, Symposiums, Workshops**
- Anzalone, Jonathan.** (2010) Creating a Modern Wilderness Playground in the Adirondacks, 1920-1941. *Currents of Change: Annual Meeting of the American Society for Environmental History and the National Council on Public History*. Hilton Portland & Executive Tower, Portland, OR.
- Buffett, Neil P.** (2009) Divided Communities: High School Student Activism in the Civil Rights and Environmental Movements, 1969-1974. *Society for the History of Children and Youth Conference titled Children and Youth at Risk and Taking Risks: Historical Inquiries in International Perspective*. University of California at Berkeley, Berkeley, CA.

History

- Cimino, Eric.** (2010) Protecting the 'Bewildered' and the 'Deserted': Travelers' Aid in New York City, 1885-1911. *32nd Annual Warren Susman Graduate History Conference*. Rutgers University, New Brunswick, NJ.
- Enciso, Froylan.** (2010) The Revolutionary Dreams Created Melanchoolics: The Long Route of Alexandra Kollontai to her Diplomatic Mission in Mexico (1926-1927). *Graduate Students Conference, "1810-1910: Two Hundred Years of Postcolonial Futures."* Latin American and Caribbean Studies Center, Stony Brook Manhattan, New York, NY.
- Enciso, Froylan.** (2009) Drogas, narcotráfico y política en México. *Feria Internacional del Libro de Panamá*. Panama City, Panama.
- Enciso, Froylan.** (2009) Los fracasos del chantaje. Regimen global de drogas y narcotráfico durante la transición a la democracia. *La seguridad nacional en el siglo XXI*. El Colegio de México, Mexico City, Mexico.
- Enciso, Froylan.** (2009) Rhetorical Weapons: The Invention of the Southern Border After the Mexican War. *Graduate Student Conference, "Latin America: a people without boundaries?"* Latin American and Caribbean Studies Center, Stony Brook Manhattan, New York, NY.
- Enciso, Froylan.** (2009) Últimas noticias del narco en México y Colombia. *Narcotráfico y violencia en las ciudades de América Latina: retos para un nuevo periodismo*. Fundación Nuevo Periodismo Iberoamericano. Mexico City, Mexico.
- Enciso, Froylan.** (2009) Narcotrafficking cultures in Sinaloa. *Cultures of Narcotrafficking in Mexico: Historical and Contemporary Approaches*. Bildner Center for Western Hemisphere Studies of the City University of New York, New York, NY.
- Enciso, Froylan.** (2009) The Author as a Bureaucrat. Debates around the Diplomatic Works of Octavio Paz and the Latin-American Traveler-Writers. *SBU History Department Colloquium*. State University of New York at Stony Brook, Stony Brook, NY.
- Enciso, Froylan.** (2010) Moderator, The Paths to Overt Violence. *Latin American History Graduate Student Conference "Overt and Discreet Violence: Ruptures and Continuities in Latin America and the Caribbean."* Columbia University, New York, NY.
- Enciso, Froylan.** (2010) Discussant, Treatment of the 'subversive' in the context of authoritarian regimes in Latin America: An Analysis of Symbolic and Physical Power and Violence. *Latin American History Graduate Student Conference "Overt and Discreet Violence: Ruptures and Continuities in Latin America and the Caribbean."* Columbia University, New York, NY.
- Enciso, Froylan.** (2009) Andar fronteras ¿novela histórica? *Feria Internacional del Libro de Panamá*. Panama City, Panama.
- Enciso, Froylan.** (2009) Anecdotalario y justificación de *Andar fronteras*. Book Launch, *Andar fronteras. El servicio diplomático de Octavio Paz en Francia, 1946-1951*. Librería Rosario Castellanos del Fondo de Cultura Económica, México City, Mexico.
- Hall, Clarence Jefferson.** (2010) Nature, Prisons, and the Olympics: Housing Athletes and Convicts at Lake Placid, New York, 1972-1990. *Annual Meeting of the American Society for Environmental History*. Portland, OR.
- Offenbach, Seth.** (2010) The Politics of Failed Wars: Conservatism and Vietnam, 1964-68. *American Historical Association*. San Diego, CA.
- Offenbach, Seth.** (2010) Supporting the 'Worlds Most Self-Deluded Observers': Understanding the Evolution of Conservative Movement's Early Vietnam Positions. *Society for Historians of American Foreign Relations*. Madison, WI.
- Offenbach, Seth.** (2010) Heed the Grassroots: Re-examining the Birth of the New Right. *Policy History Conference*. Columbus, OH.

- Rider, Tara.** (2009) "...And the voice of the Turtle was heard in the land" - The Effect of Gender on the Landscape of Sixteenth Century Ireland. *Annual Conference of the Society History Society*. University of Warwick, Coventry, England.
- Rosenthal, Gregory.** (2009) A Polluted History of Onondaga Lake. *Researching New York Annual Conference*. University at Albany – SUNY, Albany, NY.
- Rosenthal, Gregory.** (2010) Revisiting Thomas Cole's Catskills: An Historical Review of the Landscape Painted and Not Painted. *Annual Meeting of the American Society for Environmental History*. Portland, OR.
- Rosenthal, Gregory.** (2010) Becoming Hawaii, Becoming 檀香山 (The Sandalwood Mountains), 1790-1830. *Northeast Regional Environmental History Conference: "Social Conflict and Environmental Change in Comparative and Historical Perspective."* Yale University, New Haven, CT.
- Sanfilippo, Stephen.** (2009) Loyalist Songs in American Whaleships. *Loyalism & the Revolutionary Atlantic World*. University of Maine, Orono, ME.
- Sanfilippo, Stephen.** (2009) Seamen's Ballads of King George III's Navy. *Loyalism & the Revolutionary Atlantic World*. University of Maine, Orono, ME.
- Sanfilippo, Stephen.** (2009) Abraham Lincoln and the Re-Defining of America. Symposium Director's Keynote Address, *3rd Annual Downeast History Symposium: Lincoln & Liberty*. Machias Historical Society, in cooperation with the University of Maine at Machias, Machias, ME.
- Sanfilippo, Stephen.** (2009) 'Her Bright Smile Haunts Me Still' - Hard Work and Romantic Reality: The Songs of Melvin P. Halsey, Long Island Whaleman. *Music of the Sea Symposium*. United States Coast Guard Academy, New London, CT, in cooperation with Mystic Seaport Museum and the University of Connecticut at Avery Point.
- Zúñiga-Espinoza, Cristóbal.** (2010) Latin Americanizing the Alliance for Progress: The Making of the Alliance for Progress from an Inter-American Perspective. *SHAFR 2010 Annual Meeting*. University of Wisconsin-Madison, Madison, WI.

❖ Post-Doctorates Obtained and Professional Appointments

- Hall, Clarence Jefferson.** (2009-2010) News Literacy Fellowship. Stony Brook University School of Journalism, Center for News Literacy, *Stony Brook University*, Stony Brook, NY.
- Martone, Eric.** (2010) Adjunct Professor. Department of History and Military Studies, *American Public University*, Charles Town, WV.

❖ Performances

- Sanfilippo, Stephen.** (2009) Coastal Life: Lighthouses, Shipwrecks, and Working by the Sea. *West Quoddy Head Light House*. Lubec, ME.
- Sanfilippo, Stephen.** (2009) Historic Sag Harbor Whalemen's Ballads. *John Jermain Library*. Sag Harbor, NY.
- Sanfilippo, Stephen.** (2009) Prayers from the Fish's Belly. *Sag Harbor History and Cultural Heritage Series*. Sag Harbor, NY.
- Sanfilippo, Stephen.** Whalemen's Ballads from the Collection of Lewis Jones, Sag Harbor Bark *Hamilton*, 1845-1848. *East Hampton Library and East Hampton Historical Society*. East Hampton, NY.
- Sanfilippo, Stephen.** (2010) Whalemen's Songs, Poems, and Masculine Identity. *Cobscook Community Learning Center*. Trescott, ME.

History

- Sanfilippo, Stephen.** (2010) 'Yankee Doodle': Songs of the American Revolution. *Lindenhurst Union Free School District*. Lindenhurst, NY.
- Sanfilippo, Stephen** and Sanfilippo, Susan. (2009) Coastal Life: Lighthouses, Shipwrecks, and Working by the Sea. *Little River Light House; for Friends of Little River Light House*. Cutler, ME.
- Sanfilippo, Stephen** and Sanfilippo, Susan. (2009) From the Colonial to the Current: Two Hundred Years of American Folk Songs. *Longwood Estate, Suffolk County Department of Parks*. Ridge, NY.
- Sanfilippo, Stephen** and Sanfilippo, Susan. (2010) Songs of Fish-shape Paumanok: An Earth Day Celebration. *Suffolk County Department of Parks*. Indian Island County Park, Riverhead, NY.
- Sanfilippo, Stephen** and Sanfilippo, Susan. (2009) Song-Finders: Searching Archives for Historic Songs. *Porter Memorial Library*. Machias, ME.
- Sanfilippo, Stephen**, Sanfilippo, Susan, and Sherman, James. (2009/2010) Chanteys of the Age of Sail. *Downeast Maritime Cultural History Series*. Pembroke Public Library, Pembroke, ME.

❖ Recordings

- Sanfilippo, Stephen** and Sanfilippo, Susan. (2010) Isle of Beauty, Fare-thee-well; or Sweet Long Island, Good-bye. *Long Island Library Resource Center*. Stony Brook, NY. (Audio recording for LILRC archives website homepage)

❖ Other

- Enciso, Froylan**, *USA Today*. New York, March 17, 2010. Interview by Chris Hawley for the article "Mexican drug smugglers embrace bandit as patron saint", March 18, 2010.
- Enciso, Froylan**, *Newstalk 93fm*. Kingston, Jamaica, March 17, 2010. Interview by Eric Anthony Abrahams and Trevor Munroe for the radio programme The Breakfast Club.
- Enciso, Froylan**, *Up! Magazine*, Calgary, Canada, February 2, 2010. Interview by Jenelle DaSilva-Rupchand to Fac.-check an article about Mazatlán.
- Enciso, Froylan**, *The New Yorker*, New York, January 24, 2010. Interview by William Finnegan for his article on drug-dealing in Michoacán.
- Enciso, Froylan**, *Reforma*, Mexico, December 15, 2009. Interview with Karla Portugal for a note on narcocultura..
- Enciso, Froylan**, *National Geographic*. Brooklyn, NY. October 11, 2009. Interview with photographer Shaul Schwarz for his coverage on drug in Mexico.
- Enciso, Froylan**, *Newstalk 93fm*. Kingston, Jamaica, September 4, 2009. Interview by Eric Anthony Abrahams and Trevor Munroe for the radio programme The Breakfast Club.
- Enciso, Froylan**, *CUNY-TV*. New York, August 31, 2009. Interview by Michelle García.
- Enciso, Froylan**, *Semana*. Bogotá, Colombia, July 28, 2009. Interview by María Jimena Duzán.
- Enciso, Froylan**, *Milenio TV*. Mexico, July 25, 2009. Interview by Diego Osorno for the capsule "Calderón ha creado un paraíso para los narcos".
- Enciso, Froylan**, *Canal 22*. Mexico, June 10, 2009. Interview about the Calderón's policies on drugs, transmitted in the cultural news on June 13.
- Enciso, Froylan**, *Columbia Journalism Review*. New York, May 21, June 13, July 29, August 31, 2009. Interviews by Michelle Garcia, "Myths of Mexico. The US media's simplistic depiction of the drug war".
- Enciso, Froylan**, *The Slate*. Chicago, May 10, 2009. Interview by Liz Lazar Miur.

- Enciso, Froylan, *Gatopardo*.** Mexico, April 15, 2009. Article by Diego Osorno, “Memorias de un capo”.
- Enciso, Froylan, *Reforma*.** Mexico, April 8, 2009. Article by Erika Bucio, “Exploran raíces políticas de Octavio Paz”
- Enciso, Froylan, *Canal 22*,** Mexico, April 7, 2009. Interview by Alejandra Flores, for the TV Cultural News capsule “Rasgando las ideas del joven Octavio Paz”.
- Enciso, Froylan, *Río Doce*,** Culiacán. January 21, 2009. Interview by Javier Valdez, “Un libro sobre el genio crítico de Octavio Paz”.
- Enciso, Froylan, *El Financiero*,** Mexico, January 20, 2009. Interview by Javier Galindo, “El servicio diplomático de Paz. Froylán Enciso desanda las fronteras del Nóbel mexicano”, April 7, 2009.
- Enciso, Froylan, *Notimex*,** Mexico January 19, 2009. Interview by Carmen Varela, “Desentraña libro los cambios ideológicos de Octavio Paz”.
- Enciso, Froylan, *Excélsior*,** México, January 19, 2009. Interview by Virginia Bautista, “Exploran la vena diplomática de Paz”
- Enciso, Froylan, *El Universal*,** Mexico, January 19, 2009. Interview by Yanet Aguilar Sosa, “La diplomacia abrió puertas a Paz”
- Enciso, Froylan, *Radio Educación*,** México, January 13, 2009. Interview by Verónica Romero, “Andar fronteras. La estancia de Octavio Paz en Francia”
- Enciso, Froylan, *Radio France Internationale*,** Paris, January 13, 2009. Interview by Verónica Romero, “Los líos de Entropa”
- Enciso, Froylan, *Reforma*,** México, January 8, 2009. Interview by Guadalupe Loaeza, “El Paz de Froylán”, *Reforma*, April 9, 2009.
- Enciso, Froylan, *The New Yorker*,** New York, August 10, 2009. Interview by Alma Guillermoprieto, “Days of Death.”

LINGUISTICS

GRADUATE DIRECTOR: (Ph.D.) MARIE HUFFMAN
(M.A.) RICHARD LARSON
DEPARTMENT CHAIR: ROBERT HOBERMAN

❖ Grants, Fellowships, and Awards

- Albizu, A., Duguine, M., Elordieta, A., Etxeberria, U., Etxepare, R., Fernández, B., Goenaga, P., Haddican, W., **Huidobro, Susana**, Irurtzun, A., Landa, J., Lersundi, M., Odria, A., Oihartzabal, B., Ortiz de Urbina, J., Rezac, M., Santander, G., Soroa, A., Uria, L. (2009-2011) Syntactic micro-variation in Basque: A Theoretical and Typological Approach, €76,230. *The Spanish Ministry of Science and Innovation*. Madrid, Spain.
- Kim, Miran**. (2009) Alumni Scholarship, \$1,500. *Korea University Alumni Association*, New York, NY.
- Lindsay, Mark**. (2010-2012) University Research Program for Google Search. *Google, Inc.*, Mountain View, CA.
- Lu, Yu-an**. (2009) TECO Travel Grant, \$300. *Taipei Economic and Cultural Office*, New York, NY.
- Mykhaylyk, Roksolana**. (2009) Travel Grant, €500. *International Symposium on Bilingualism 7*, Utrecht, Netherlands.
- Schuhmann, Katharina**. (2010) Professional Development Scholarship, \$515. *Teachers of English to Speakers of Other Languages (TESOL) Society*, Alexandria, VA.
- Schuhmann, Katharina**. (2009) Diebold Prize, \$250. *Society for Germanic Linguistics*, Madison, WI.

❖ Singly Authored Publications/Research Reports/Reviews

- An, Young-ran**. (In Press) The role of syllable contact constraints in Korean reduplication. *Universal Grammar and Individual Languages: The Proceedings of 2010 Seoul International Conference on Linguistics*.
- An, Young-ran**. (2010) Testing the Gradual Learning Algorithm: A review of Boersma and Hayes (2001). In Chae, Kim, Chung, and Shin (Eds.), *A Festschrift in English Linguistics in Honor of Dr. Young-Seok Kim*. Seoul: Jihak Publishing.
- An, Young-ran**. (2010) Lexical Statistics and Speakers' Behavior. *Harvard Studies in Korean Linguistics XIII*: 61-75.
- An, Young-ran**. (2009) A Matter of Frequency in Phonology. *Current Issues in Linguistic Interfaces 2: The Proceedings of 2009 Seoul International Conference on Linguistic Interfaces*: 345-358.
- Antonenko, Andrei**. (In Press) Partial Wh-movement in Kashmiri. *Universal Grammar and Individual Languages: The Proceedings of 2010 Seoul International Conference on Linguistics*.
- Antonenko, Andrei**. (2010) Puzzles of Russian Subjunctives. In Stevens, Jon Scott (Ed.), *University of Pennsylvania Working Papers in Linguistics 16* (1): 1-10. Philadelphia, PA.
- Antonenko, Andrei**. (2010) Subject obviation and case. In H. Bliss, M. Louie, and M. Schellenberg (Eds.), *The Proceedings of the Northwest Linguistics Conference 2009 25*: 1-14. Vancouver, BC.
- Kim, Hyun-ju**. (In Press) Emergent Hidden Grammar: Stochastic Patterning in Korean Accentuation of Novel Words. *The Proceedings of the 36th Annual Meeting of the Berkeley Linguistics Society*. Berkeley, CA.

- Lindsay, Mark.** (2010) American English iz-infixation: Interaction of Phonology, Metrics, and Rhyme. In H. Bliss, M. Louie, and M. Schellenberg (Eds.), *The Proceedings of the Northwest Linguistics Conference 2009 25*: 159-172. Vancouver, BC.
- Lu, Yu-an.** (2010) Quantifier Stranding and Reflexive Stranding in Mayrinax Atayal. *University of British Columbia Working Papers in Linguistics 25*: 173-186.
- Lu, Yu-an.** (2009) Adaptation of English Interdental Fricatives by Speakers of Taiwan Mandarin. *Current Issues in Unity and Diversity of Languages*: 1151-1165. Seoul, Korea: The Linguistic Society of Korea.
- Mykhaylyk, Roksolana.** (2009) Developmental Patterns in Flexible Word Order Acquisition. In J. Crawford et al. (Eds.), *Proceedings of the 3rd Conference on Generative Approaches to Language Acquisition North America*. Somerville, MA: Cascadilla Proceedings Project.
- Mykhaylyk, Roksolana.** (2009) The Role of Semantic Features in Scrambling. In M. Bowles et al. (Eds.), *Proceedings of the 10th Generative Approaches to Second Language Acquisition Conference*. Somerville, MA: Cascadilla Proceedings Project.
- Scott, Tanya.** (In Press) Multiple Sluicing: A purely syntactic account. *Proceedings of Formal Descriptions of Slavic Languages*.
- Shu, Chih-hsiang.** (2010) Sentential Adverbs as Focusing Adverbs. In Mohanty, R. and Menon, M. (Eds.), *Proceedings of GLOW in Asia VII, 2009*. Hyderabad: EFL University Press.
- Schuhmann, Katharina.** (2010). An Output-Output analysis of German i-truncations. *eLanguage: LSA Meeting Extended Abstracts 2010*. Available at: <http://elanguage.net/journals/index.php/lsameeting/issue/view/134>
- Sun, Jisung.** (In Press) Licensing Double Nominative Constructions in Korean. *SOAS Working Papers in Linguistics*. London, England: University of London.
- Sun, Jisung.** (2010) Identifying Verb-Verb Complexes in Korean. *Harvard Studies in Korean Linguistics XIII*: 501-515.
- Takahashi, Hisako.** (In Press) Adverbial Clauses and Nominative/Genitive Conversion in Japanese. *The Proceedings of the 6th Workshop on Altaic Formal Linguistics (WAFL6)*. Cambridge, MA: MIT Working Paper in Linguistics.

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

- Antonenko, Andrei,** and A. Harris. (2010) Multiple Exponence on Archi Pronouns. *eLanguage: LSA Meeting Extended Abstracts 2010*. Available at <http://elanguage.net/journals/index.php/lsameeting/issue/view/134>
- Duguine, M., **Huidobro, S.** and Madariaga, N. (Eds.) (2010) *Argument Structure from a Crosslinguistic Perspective*. Amsterdam: John Benjamins.
- Huidobro, Susana** and J. MacDonald. (In Press) The Lack of Spanish Non-Argumental Clitic Doubling. In Claudian Borgonovo, Manuel Español-Echevarria & Philippe Prévost (Eds.), *Selected Proceedings of the 11th Hispanic Linguistics Symposium*. Cascadilla Press: Somerville, MA.
- LaTerza, Chris and **Mitrović, Ivana.** (2010) Reciprocal phrases in Serbo-Croatian. *Proceedings of Formal Approaches to Slavic Linguistics 18*.

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

- An, Young-ran.** (2010) The Role of Syllable Contact Constraints in Korean Reduplication. *SICOL 2010: Seoul International Conference on Linguistics*. Seoul, Korea.

- An, Young-ran.** (2010) Syllable-internal Templates: Evidence from Korean Consonant insertion. *The 7th Old World Conference in Phonology*. Maison du Séminaire, Nice, France.
- An, Young-ran.** (2010) What Can Lexical Statistics Tell us About Speakers' Behavior? *The 84th Annual Meeting of The Linguistic Society of America*. Hilton Baltimore, Baltimore, MD.
- An, Young-ran.** (2009) Lexical Statistics and Speakers' Behavior. *The 13th Harvard International Symposium on Korean Linguistics*. Harvard University, Cambridge, MA.
- An, Young-ran.** (2009) A Matter of Frequency in Phonology. *The 2009 Seoul International Conference on Linguistic Interfaces*. Seoul, Korea.
- Antonenko, Andrei,** and Alice C. Harris. (2010) Multiple Exponence on Archi Pronouns. *The 84th Annual Meeting of The Linguistic Society of America*, Hilton Baltimore, Baltimore, MD.
- Antonenko, Andrei.** (2010) Binding and Defective Domains: Principle A by Phase. *The 20th Colloquium on Generative Grammar*. Universitat Pompeu Fabra, Barcelona, Spain.
- Antonenko, Andrei.** (2010) Inflectional Base(s) of Russian Imperatives. *FASL 19: The 19th Annual Workshop on Formal Approaches to Slavic Linguistics*. University of Maryland, College Park, MD.
- Antonenko, Andrei** and Harris, Alice C. (2010) Morphological Structure of Archi Pronouns. *IMM 14: 14th International Morphology Meeting*. Hotel Benczúr, Budapest, Hungary.
- Antonenko, Andrei.** (2010) Partial wh-movement in Kashmiri. *SICOL 2010: Seoul International Conference on Linguistics*. Korea University, Seoul, Korea.
- Antonenko, Andrei.** (2009) Binding by phases: Principle A. *LAGB 2009: The 2009 Annual Meeting of the Linguistics Association of Great Britain*. University of Edinburgh, Edinburgh, UK.
- Antonenko, Andrei.** (2009) Binding by phases. *FDSL 8: The Eighth European Conference on Formal Description of Slavic Languages*. University of Potsdam, Potsdam, Germany.
- Harris, Alice C. and **Antonenko, Andrei.** (2009) Distributed Agreement in Archi and Other Languages. *Mediterranean Morphology Meeting 7*. Kastelliotissa Medieval Hall, Nicosia, Cyprus.
- Harris, Alice C. and **Antonenko, Andrei.** (2009) Distributed Agreement in Archi and Other Languages. *Colloquium*. University of Massachusetts Amherst, Amherst, MA.
- Antonyuk-Yudina, Svitlana** and Mykhaylyk, Roksolana. (2009) Prosodic Effects in Word Order: Evidence from Ukrainian. *NELS 40: The 40th Annual Meeting of the North East Linguistic Society*. MIT, Cambridge, MA.
- Mykhaylyk, Roksolana and **Antonyuk, Svitlana.** (2010) On the Interaction of Prosody and Scrambling in Ukrainian. *The 84th Annual Meeting of The Linguistic Society of America*. Hilton Baltimore, Baltimore, MD.
- Gaffney, Shawn.** (2009/2010) Phonetic Motivations for the Algonquian Intrusive Nasal. *The 41st Algonquian Conference*. Concordia University, Montreal, QB. *The Society for the Study of Indigenous Languages of the Americas: SSILA Winter Meeting*. Hilton Baltimore, Baltimore, MD.
- Gaffney, Shawn.** (2010) Polyglottism: from Mithridates to Mathew. *NAAHoLS: The Annual Meeting of North American Association for the History of Language Sciences 2010*. Hilton Baltimore, Baltimore, MD.
- Huidobro, Susana.** (2009) Spanish, Greek and Japanese: Three Different Instances of Dative 'Concordial' Case. *ICGL9: The 9th International Conference on Greek Linguistics*. University of Chicago, Chicago, IL.
- Hwang, Jiwon.** (2010) Cue Weighting and Variability in Perception and Production. *The 159th Meeting of the Acoustical Society of America*. Baltimore Marriott Waterfront Hotel, Baltimore, MD.
- Hwang, Jiwon.** (2010) The Nature of Inserted Vowels in L2 Learners' Production. *The 84th Annual Meeting of The Linguistic Society of America*, Hilton Baltimore, Baltimore, MD.

- Kang, Hijo.** (2010) Position and Height Asymmetries in Hiatus Resolution: A Case Study of Korean VV Sequences. *The 36th Annual Meeting of the Berkely Linguistics Society*. UC Berkeley, Berkeley, CA.
- Kang, Hijo.** (2010) Position and Height Asymmetries in Hiatus Resolution: An Acoustic Analysis of Korean and Japanese VV Sequences. *GLOW 33: General Linguistics of the Old World; Positional Phenomena in Phonology and Phonetics Workshop*. The University of Wrocław, Wrocław, Poland.
- Kang, Hijo.** (2010) Position and height asymmetries in hiatus resolution: Are they phonetically driven phenomena? *The 159th Meeting of the Acoustical Society of America*. Baltimore Marriot Waterfront Hotel, Baltimore, MD.
- Kim, Hyun-ju.** (2010) Emergent Hidden Grammar: Stochastic Patterning in Korean Accentuation of Novel Words. *The 36th Annual Meeting of the Berkely Linguistics Society*. UC Berkeley, Berkeley, CA.
- Kim, Hyun-ju.** (2010) The Effect of Syllable Structure on Accentuation of Novel Words in North Kyungsang Korean. *SICOL 2010: Seoul International Conference on Linguistics*. Korea University, Seoul, Korea.
- Kim, Miran.** (2010) Cross-dialectal Study on Temporal Modulation Patterns in Stress Manifestation. *LabPhon12: The 12th Conference on Laboratory Phonology*. University of New Mexico, Albuquerque, NM.
- Kim, Miran** and Repetti, L. (2010) Identifying Stress Placement with Clitics in Arborese Sardinian: How Phonetics helps us to Understand Phonology and Syntax. *Georgetown Linguistics Society 2010: Sound, Structure, Meaning: Explorations at the Interface*. Georgetown University, Washington, D.C.
- Lindsay, Mark** and Aronoff, M. (2010) The Emergence of Self-organization in Language: Evidence from English Word Formation. *EVOLANG 8: The 8th International Conference on The Evolution of Language*. University of Utrecht, Utrecht, The Netherlands.
- Lindsay, Mark.** (2010) American English iz-infixation: Interaction of Phonology, Metrics, and Rhyme. *CLS46: The 46th Annual Meeting of the Chicago Linguistic Society*. University of Chicago, Chicago, IL.
- Aronoff, Mark and **Lindsay, Mark.** (2009) Truth in Linguistics: Data, Analysis, Theory. *Visions Workshop*. University of Konstanz, Konstanz, Germany.
- Mitrović, Ivana.** (2010) Is there a Bias Towards a Phonetically Natural Pattern of Velar Palatalization: Data from an Experimental Study of Serbo-Croatian. *FASL19: The 19th Annual Workshop on Formal Approaches to Slavic Linguistics*. University of Maryland, College Park, MD.
- Mykhaylyk, Roksolana** and Antonyuk, Svitlana. (2010) On the Interaction of Prosody and Scrambling in Ukrainian. *The 84th Annual Meeting of The Linguistic Society of America*. Hilton Baltimore, Baltimore, MD.
- Antonyuk-Yudina, Svitlana and **Mykhaylyk, Roksolana.** (2009) Prosodic Effects in Word Order: Evidence from Ukrainian. *NELS 40: The 40th Annual Meeting of the North East Linguistic Society*. MIT, Cambridge, MA.
- Mykhaylyk, Roksolana.** (2009) On the Ukrainian Future: Questions of Chronology and Grammaticalization. *The 41st National Convention of the American Association for the Advancement of Slavic Studies (AAASS)*. Marriot Copley Place, Boston, MA.
- Mykhaylyk, Roksolana.** (2009) Is it Difficult to Move for Young Children? *GALA 2009: The 9th Meeting of Generative Approaches to Language Acquisition*. Calouste Gulbenkian Foundation, Lisbon, Portugal.

- Mykhaylyk, Roksolana.** (2009) Acquisition of Semantic Features by English-Ukrainian Bilinguals. *ISB 7: International Symposium on Bilingualism*. The Utrecht Institute of Linguistics, Utrecht, The Netherlands.
- Schuhmann, Katharina.** (2010) An Output-Output-analysis of German i-truncations. *The 84th Annual Meeting of The Linguistic Society of America*. Hilton Baltimore, Baltimore, MD.
- Schuhmann, Katharina.** (2010) Ning and Twitter for Educators & Students who aren't Tech Savvy. *The 44th Annual TESOL Convention and Exhibit*. Boston Convention & Exhibition Center. Boston, MA.
- Schuhmann, Katharina.** (2009) Perceptual Learning in Bilinguals. *1st Barcelona Summer School on Bilingualism and Multilingualism*. Universitat Pompeu Fabra, Barcelona, Spain.
- Schuhmann, Katharina.** (2009) Categorical and Gradient Wellformedness Judgments in German. *GLAC 15: Germanic Linguistics Annual Conference*. University of Calgary, Banff, AB.
- Schuhmann, Katharina.** (2009) Perceptual Learning in Hindi-English Bilinguals. *TABU Dag XXX: 30th Annual Linguistics Conference*. University of Groningen, Groningen, The Netherlands.
- Scott, Tanya.** (2009) Russian Multiple Sluicing. *SinFonIJa 2*. Holiday Inn Hotel, Sarajevo, Bosnia and Herzegovina.
- Scott, Tanya.** (2009) Multiple Sluicing: A purely syntactic account. *FDSL 8: The Eighth European Conference on Formal Descriptions of Slavic Languages*. University of Potsdam, Potsdam, Germany.
- Scott, Tanya.** (2010) 'Spurious' Coordination in Russian Multiple Wh. *The 84th Annual Meeting of The Linguistic Society of America*. Hilton Baltimore, Baltimore, MD.
- Slocum, Poppy** and Taylor, Marlin. (2010) The Vocative DP: Evidence from Romance. *The 40th Annual Linguistic Symposium on Romance Languages*. University of Washington, Seattle, WA.
- Slocum, Poppy** and Taylor, Marlin. (2010) The External Structure of the Vocative: Evidence from Italian. *The 11th Annual SUNY/Yale/CUNY/NYU Linguistics Mini-Conference*. Yale University, New Haven, CT.
- Sun, Jisung.** (2009/2010) Identifying Verb-Verb Complexes in Korean. *The 13th Harvard International Symposium on Korean Linguistics*. Harvard University, Cambridge, MA. *Harvard Studies in Korean Linguistics XIII*: 501-515.
- Sun, Jisung.** (2010) Focus in the Double Nominative Constructions. *Georgetown Linguistics Society 2010: Sound, Structure, Meaning: Explorations at the Interface*. Georgetown University, Washington, D.C.
- Slocum, Poppy and **Taylor, Marlin.** (2010) The Vocative DP: Evidence from Romance. *The 40th Annual Linguistic Symposium on Romance Languages*. University of Washington, Seattle, WA.
- Slocum, Poppy and **Taylor, Marlin.** (2010) The External Structure of the Vocative: Evidence from Italian. *The 11th Annual SUNY/Yale/CUNY/NYU Linguistics Mini-Conference*. Yale University, New Haven, CT.

MARINE AND ATMOSPHERIC SCIENCES

GRADUATE DIRECTOR: ANNE MCELROY

❖ Grants, Fellowships and Awards

Carroll, John M. (2009) Graduate student presentation award, 2nd Place, \$400. *Coastal and Estuarine Research Federation*, Portland, OR.

Jiang, Xiaodong. (2009) Density-dependent nutritional value of *Cochlodinium polykrikoides* for zooplankton: from beneficial to toxic, \$500. *Quebec-Labrador Foundation/Atlantic Center, The Sounds Conservancy Grants Program*, Ipswich, MA.

Jiang, Xiaodong. (2009) Fifth US HAB Symposium Travel Award, \$700. *National Oceanic and Atmospheric Administration*, Washington, D.C.

Perez, Kestrel. (2009) Turner Fellowship, \$10,000. *Research Foundation of Stony Brook University*, Stony Brook, NY.

Perino, Laurie. (2010) Charlotte Magnum Student Support Program, \$90. *Society for Integrative and Comparative Biology*, McLean, VA.

Grella, R., Padilla, D. and **Perino, Laurie** (2010) Toyota Tapestry Large Grant, \$10,000. *Toyota Tapestry Grants for Science Teachers*, Arlington, VA & Torrance, CA.

Perrigault, Mickael. (2010) Thesis Completion Award, \$4,765. *New York Sea Grant*, Stony Brook, NY.

Protopopescu, Nuria. (2009-2011) Turner Dissertation Fellowship Award (two years). *Stony Brook University*, Stony Brook, NY.

Sagarese, Skyler. (2009) NMFS-Sea Grant Joint Fellowship in Population Dynamics, \$38,500. *National Marine Fisheries Service and New York Sea Grant*, Stony Brook, NY.

Xia, Xiaoming. (2009) Understanding GCM predicted storm track changes under global warming, Excellent Poster Presentation, \$200. *American Meteorological Society*, Stowe, VT.

❖ Jointly Authored Publications/Research Reports/Reviews

Carroll, John M., B.J. Peterson, D. Bonal, A. Weinstock, C.F. Smith, S.T. Tettelbach. (2010) Comparative survival of bay scallops in eelgrass and the introduced alga, *Codium fragile*, in a New York Estuary. *Marine Biology* 157: 249-259.

Dahl, Soren F., Thiel, J. and Allam, B. (2010) Field performance and QPX disease progress in cultured and wild-type strains of hard clams in New York waters. *Journal of Shellfish Research* 29(1): 83-90.

Conover, D.O., **Duffy, T.A.** and Hice, Lyndie A. (2009) The covariance between genetic and environmental influence across ecological gradients: reassessing the evolutionary significance of countergradient and cogradient variation. *Annals of the New York Academy of Sciences, Year in Evolutionary Biology (2009)* 1168: 100-129.

Talmage, Stephanie and **Gobler, Christopher.** (2009) The effects of elevated carbon dioxide concentrations on the metamorphosis, size, and survival of larval hard clams (*Mercenaria mercenaria*), bay scallops (*Argopecten irradians*), and Eastern oysters (*Crassostrea virginica*). *Journal of Limnology and Oceanography* 54(6): 2072-2080.

Guo, Yanjuan, Chang, E.K.M., and Leroy S.S. (2009) How strong are the Southern Hemisphere storm tracks? *Geophys. Res. Lett.* 36: L22806. doi: 10.1029/2009GL040733.

- Hattenrath, T.K.**, Anderson, D.M., Gobler, C.J. (2010) The influence of anthropogenic nitrogen loading and meteorological conditions on the dynamics and toxicity of *Alexandrium fundyense* blooms in a New York (USA) estuary. *Harmful Algae* 9: 402-412.
- Conover, D.O., Duffy, T.A. and **Hice, Lyndie A.** (2009) The covariance between genetic and environmental influence across ecological gradients: reassessing the evolutionary significance of countergradient and cogradient variation. *Annals of the New York Academy of Sciences, Year in Evolutionary Biology (2009)* 1168: 100-129.
- Jiang, Xiaodong**, Lonsdale, Darcy, Gobler, Chris. (In Press) Density-dependent nutritional value of the dinoflagellate *Cochlodinium polykrikoides* to the copepod *Acartia tonsa*. *Limnology and Oceanography*
- Jiang, Xiaodong**, Tang, Yingzhong, Lonsdale, Darcy, Gobler, Chris. (2009) Deleterious consequences of a red tide dinoflagellate *Cochlodinium polykrikoides* Margalef for the calanoid copepod *Acartia tonsa* Dana. *Marine Ecology Progress Series* 390: 105-116.
- Lonsdale, D.J., Cerrato, R.M., Holland, R., Mass, A., Holt, L., Schaffner, R.A., **Pan, J.**, Caron, D.A. (2009) Influence of suspension-feeding bivalves on the pelagic food webs of shallow, coastal embayments. *Aquatic Biology* 6: 263-279.
- Perez, Kestrel**, and Munch, Stephan. (In press) Extreme selection in the early life of marine fishes. *Evolution*. doi:10.1111/j.1558-5646.2010.00994.x
- Perrigault, Mickael**, Tanguy, A. and Allam, B. (2009) Molecular identification and expression of differentially regulated genes of the quahog clam, *Mercenaria mercenaria* during QPX (Quahog parasite Unknown) challenge. *BMC Genomics* 10: 377.
- Perrigault, Mickael** and Allam, B. (2009) Cytotoxicity of Quahog Parasite Unknown (QPX) toward hard clam (*Mercenaria mercenaria*) haemocytes and interactions between different pathogen isolates and host strains. *Parasitology* 136(11): 1281-1289.
- Pales Espinosa, E., **Perrigault, Mickael**, Ward, J.E., Shumway, S.C. and Allam, B. (2009) Lectins associated with the feeding organs of the oyster *Crassostrea virginica* can mediate particle selection. *Biological Bulletin* 217(2): 130-141.
- Pales Espinosa, E., **Perrigault, Mickael**, Ward, J.E., Shumway S.E. and Allam, B. (2010) Microalgal cell surface carbohydrates as recognition sites for particle sorting in suspension feeding bivalves. *Biological Bulletin* 218(1): 75-86.
- Perrigault, Mickael**, Buggé, D.M. and Allam, B. (In Press) Effects of environmental factors on survival and growth of Quahog Parasite Unknown (QPX) *in vitro*. *Journal of Invertebrate Pathology*.
- Pales Espinosa, E., **Perrigault, Mickael**, Allam, B. (In Press) Identification and localization of a secretory lectin (MeML) from *Mytilus edulis*. *Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology*.
- Perrigault, Mickael**, Dahl, S.F., Liu, Q., Collier, J.L., Barnes, D. and Allam, B. (2009) Effects of environmental factors on *Mercenaria mercenaria* immunity, QPX survival and host-pathogen interactions. *Journal of Shellfish Research* 28(3): 720.
- Pales Espinosa, E., **Perrigault, Mickael**, Ward, E., Shumway, S. and Allam, B. (2009) Microalgae cell surface carbohydrates as recognition sites for particle sorting in suspension feeding bivalves. *Journal of Shellfish Research* 28(3): 695.
- Allam, B., **Perrigault, Mickael** and Tanguy, A. (2009) Development of functional genomics tools for the investigation of hard clam-QPX interactions. *Journal of Shellfish Research* 28(3): 678.
- Perrigault, Mickael**, Allam, B. (2010) Investigations of environmental factors affecting QPX disease development and resulting mortalities in the hard clam, *Mercenaria mercenaria*. Final report, *New York Sea Grant*, 13 pages.

- Wakeham, S.G., Turich, C., Taylor, G.T., **Podlaska, A.**, Scranton, M.I., Li, X.N., Varela, R., Astor, Y. (2010) Mid-chain methoxylated fatty acids within the chemocline of the Cariaco Basin: a chemoautotrophic source? *Organic Geochemistry* 41: 498-512.
- Feldheim, K.A., Chapman, D.D., Simpfendorfer, C.A., Richards, V.P., Shivji, M.S., Wiley, T.R., Poulakis, G.R., Carlson, J.K., Eng, R., and **Sagarese, S.** (In Press) Genetic tools to support the conservation of the endangered smalltooth sawfish, *Pristis pectinata*. *Conservation Genetics Resources*.
- Petersen, C.W., **Salinas, S.**, Preston, R.L., and Kidder, G.W. (In Press) Spawning periodicity and reproductive behavior of *Fundulus heteroclitus* in a New England salt marsh. *Copeia*.
- Talmage, Stephanie** and Gobler, Christopher. (2009) The effects of elevated carbon dioxide concentrations on the metamorphosis, size, and survival of larval hard clams (*Mercuraria mercenaria*), bay scallops (*Argopecten irradians*), and Eastern oysters (*Crassostrea virginica*). *Journal of Limnology and Oceanography* 54(6): 2072-2080.
- ❖ **Abstracts, Conferences/Colloquiums, Presentations, Symposiums, Workshops**
- Carroll, John M.**, Tettelbach, S.T., Peterson, B.J. (2009) Can the introduced macroalgae *Codium fragile* serve as a suitable habitat for the native bay scallop *Argopecten irradians*? *Coastal and Estuarine Research Federation 20th Biennial Conference*. Portland, OR.
- Carroll, John M.**, Tettelbach, S.T., Peterson, B.J. (2010) Recruitment of bay scallops, *Argopecten irradians*, to artificial seagrass near a spawner sanctuary. *Benthic Ecology Meeting*. Wilmington, NC.
- Dahl, Soren.** (2010) Shellfish and the Environment: Local examples of Global Issues. Ammerman Campus Week of Awareness Series 2010; *Human Environmental Impact: From the end of the earth to our local ecosystem*. Suffolk Community College, Selden, NY.
- Guo, Yanjuan**, and Chang E.K.M. (2010) Have the Southern Hemisphere storm tracks been strengthening after 1979? *22nd Conference on Climate Variability and Change*. Atlanta, GA.
- Guo, Yanjuan**, Xia, X., and Chang, E.K.M. (2009) How strong are the Southern Hemisphere storm tracks? *15th Conference on Middle Atmosphere*. Stowe, VT.
- Hall, Carolyn**, Jordaan, A., Frisk, M.G., Cerrato, R.M. (2009) Dam construction on Maine river systems and the consequences for river herring: an historical ecology perspective. *Coastal and Estuarine Research Federation 20th Biennial Conference*. Portland, OR.
- Hall, Carolyn.** (2010) Damming of Maine Watersheds and the Consequences on Coastal Ecosystems with a focus on the Anadromous River Herring: A Four Century Analysis. *The North American Society for Oceanic History 2010 Annual Conference, "Maritime Environments."* Avery Point and Mystic Seaport, CT.
- Hattenrath, T.K.**, Anderson, D.M., Gobler, C.J. (2009) The influence of anthropogenic nitrogen loading and meteorological conditions on the dynamics and toxicity of *Alexandrium fundyense* blooms in a New York (USA) estuary. *Fifth Symposium on Harmful Algae in the U.S.* Ocean shores, WA.
- Hice, Lyndie A.**, Munch, S.B., and Conover, D.O. (2009) Latitudinal variation in Atlantic silverside vertebral number and the adaptive significance of Jordan's Rule. *Joint Meeting of Ichthyologists and Herpetologists*. Portland, OR.
- Jiang, Xiaodong.** (2009) Deleterious consequences and density-dependent nutritional quality of the red tide dinoflagellate *Cochlodinium polykrikoides* to the copepod *Acartia tonsa*. *Fifth Symposium on Harmful Algae in the US*. Seattle, WA
- Lee, Jungmin**, and Khairoutdinov, Marat. (2009) Cloud-resolving simulation of the diurnal cycle of precipitation : the role of the large-scale forcing. *American Geophysical Union (AGU) Conference*. San Francisco, CA.

- Perez, Kestrel.** (2010) Bigger is better, but only for a little while. *School of Marine and Atmospheric Sciences Annual Research Symposium*. Stony Brook University, Stony Brook, NY.
- Perez, Kestrel.** (2010) Evolution of size in marine fish. *Undergraduate Biology Colloquium*. Adelphi University, Garden City, NY.
- Perino, Laurie, Munch, S.B. and Padilla, D.K.** (2010) Predicting the impacts of fluctuating bivalve densities on phytoplankton communities. *Society for Integrative and Comparative Biology Annual Meeting*. Seattle, WA.
- Pales Espinosa, E., **Perrigault, Mickael**, Ward, J.E., Shumway, S. and Allam, B. (2010) Unravelling the fine mechanisms of particle sorting in suspension feeding bivalves. *National Shellfisheries Association, 102th Annual Meeting*. San Diego, CA.
- Wakeham, S., Turich, C., **Podlaska, A.**, Li, X., Astor, Y., Varela, R., Taylor, G.T., Scranton, M.I. (2009) Stable isotope probing of sulfur-oxidizing chemoautotrophic bacteria in the Cariaco Basin. *Gordon Research Conference on Chemical Oceanography*. Tilton School, Tilton, NH.
- Taylor, G.T., **Podlaska, A.**, Lopez-Gasca, M., Li, X.N., Scranton, M.I. (2009). Quest for the chemoautotrophs dominating the Cariaco redoxcline: a multi-faceted campaign. *Gordon Research Conference on Applied and Environmental Microbiology*. Mt. Holyoke, MA.
- Taylor, G.T., Lopez-Gasca, M., **Podlaska, A.**, Li, X.N., Lorenzoni, L., Rueda, D., Muller-Karger, F., Thunell, R., Fanning, K., Varela, R., Astor, Y., Scranton, M.I. (2010) Temporal variations in the biogeochemistry of the permanently anoxic Cariaco Basin. *Ocean Sciences Mtg.* Portland, OR.
- Podlaska, A.**, Wakeham, S., Fanning, K., Taylor, G.T. (2010) Microbial community structure and chemoautotrophic activity in the oxygen minimum of the eastern tropical North Pacific. *Ocean Sciences Mtg.* Portland, OR.
- Daly, K.L., Byrne, R.H., Cass, C., DiTullio, G.R., Elliott, M.M., Fanning, K., Flagg, C.N., Mass, A., Olson, B., **Podlaska, A.**, Remsen, A.W., Seibel, B., Taylor, G.T., Wakeham, S.G., Wishner, K.F. (2010). Do OMZs alter the biological pump? *Ocean Sciences Mtg.* Portland, OR.
- Olson, B., Daly, K.L., **Podlaska, A.**, Taylor, G.T. (2010) Microzooplankton dynamics across oxygen gradients in the eastern tropical North Pacific. *Ocean Sciences Mtg.* Portland, OR.
- Protopopescu, Nuria.** (2009) NSF Student Scholarship. *13th Annual Green Chemistry and Engineering Conference*. Green Chemistry Institute, American Chemical Society, Washington, D.C.
- Rodgers, Brooke S.** (2009) Impacts of groundwater flow on eelgrass, *Zostera marina*, in New York estuaries. *38th Annual Benthic Ecology Meeting*. Corpus Christi, TX.
- Rodgers, Brooke S.** (2009) Groundwater Effects On Seagrass. *New York Seagrass Taskforce*, Stony Brook, NY. (Invited speaker)
- Sagarese, Skyler.** (2010) Assessing Spiny Dogfish Migration and Population Dynamics in the Northwest Atlantic. *2010 NMFS/Sea Grant Fellows meeting*. Alaska Fisheries Science Center & Northwest Fisheries Science Center, Seattle, WA.
- Salinas, S.** and Munch, S.B. (2010) Effects of power plants on fish populations: analysis of a long-term Hudson River dataset. *SCERP Environmental Symposium*. Southampton, NY.
- Salinas, S.,** Velasquez-Tibata, J., and Munch, S.B. (2009) Metabolism, temperature and the life histories of the future. *New York Marine Sciences Consortium Annual Conference*. Bronx, New York.
- Slattery, Michael,** Bokuniewicz, H., Gayes, P.T. (2009/2010) Incipient rip-current statistics on an open coast. *ASPBA annual conference "Integrating Coastal Science & Policy"*. St. Petersburg Beach, FL. *1st International Rip Current Symposium*. Miami, FL.
- Slattery, Michael.** (2009) Reading the Beach. *Long Island Geologists Field Trip*. Fire Island National Seashore, NY.

- Stubler, Amber.** (2010) The Impacts of Anthropogenic Sedimentation of Sponge Diversity and Abundance on the North Shore of Jamaica. *Benthic Ecology Meeting 2010*. Wilmington, NC.
- Sugeno, Masatoshi, Munch, S.B.** (2009) A semiparametric Bayesian approach to detecting density dependence. *94th Ecological Society of America Annual Meeting*. Albuquerque, NM.
- Talmage, Stephanie.** (2010) Effects of past, present, and future ocean carbon dioxide concentrations on the growth and survival of larval shellfish. *Stony Brook Southampton Coastal and Estuarine Research Program*. Southampton, NY.
- Wall, Charles C.** (2010) The growth of estuarine resources along a eutrophication gradient. *Benthic Ecology Meeting*. University of North Carolina-Wilmington, Wilmington, NC. *Stony Brook-Southampton Coastal and Estuarine Research Program*. Stony Brook-Southampton Campus, Southampton, NY.
- Xia, Xiaoming, Chang, E.** (2009) Understanding GCM predicted storm track changes under global warming. *17th Conference on Atmospheric and Oceanic Fluid Dynamics of American Meteorological Society*. Stowe, VT.

❖ **Post Doctorates Obtained and Professional Appointments**

- Hice, Lyndie A.** (2010) Substitute lecturer. School of Earth and Environmental Sciences, *Queens College*, Flushing, NY.

❖ **Internship Appointments**

- Stubler, Amber** (2009-2010) Seafood Intern. *Blue Ocean Institute*, Stony Brook, NY.
- Stubler, Amber** (2009) Research Assistant. *Blue Ocean Institute in conjunction with Discovery Bay Marine Lab*, Discovery Bay, Jamaica, West Indies.

MATERIALS SCIENCE

GRADUATE DIRECTOR: DILIP GERSAPPE

DEPARTMENT CHAIR: MIKE DUDLEY

❖ Grants, Fellowships, and Awards

Ba, Xiaolan. (2010) Travel Award, \$100. *Sigma Xi*, Research Triangle Park, NC.

Colmenares-Angulo, Jose. (2009-2010) International Joint Graduate School Program, ¥583,000. *National Institute of Materials Science*, Tsukuba, Japan.

Dorst, K. (2010) Grants in Aid of Research Award, \$400. *Sigma Xi*, Research Triangle Park, NC.

Dorst, K., Stein, A., Meng, Y. (2010) Poster Award, \$50. *National Synchrotron Light Source/Center for Functional Nanomaterials Joint Users' Meeting 2010*, Brookhven National Laboratory, Upton, NY.

Dorst, K. (2010) Travel Award, \$100. *Sigma Xi*, Research Triangle Park, NC.

Gin, Peter. (2010) East Asia and Pacific Summer Institutes Award, \$5,000. *National Science Foundation*, Washington, D.C.

Gin, Peter. (2010) JSPS Summer Fellowship, \$6,300. *The Japan Society for the Promotion of Science*, Tokyo, Japan.

Gin, Peter. (2009) Etter Student Lecturer Award, \$250. *American Crystallographic Association*, Toronto, ON.

Gin, Peter. (2009) Travel Award, \$500. *American Crystallographic Association*, Toronto, ON.

Kerkar P., Horvat, K., Jones, K., Mahajan, D. (2009) First Place, Graduate Students Poster. *Advanced Energy Conference*, Hauppauge, NY.

Horvat, K., **Kerkar, P.,** Jones, K., Mahajan, D. (2009) Second Place, Undergraduate Student Poster presentation. *Advanced Energy Conference*, Hauppauge, NY.

Liu, Ying. (2009) Dr. Mow Shiah Lin Scholarship, \$1,000. *Brookhaven National Laboratory*, Upton, NY.

Shank, Jason. (2010) Life Member Award and Scholarship, \$500. *Stony Brook Alumni Association*, Stony Brook, NY.

Shen, Zhao. (2010) Certificate from the International Association for the Precious Metals Board of Directors honoring "outstanding work in precious metal research, as a student." *The International Precious Metals Institute*, Pensacola, FL.

Wen, Jinsheng. (2009) C. Margrett Student Lecturer Award. *American Crystallographic Association*, Toronto, ON.

Wen, Jinsheng. (2010) Sigma Xi Travel Award. *Sigma Xi*, Research Triangle Park, NC.

Wen, Jinsheng. (2010) Chinese Government Award for Outstanding Self-Financed Student Abroad. *China Scholarship Council*, Beijing, China.

❖ Jointly Authored Publications/Research Reports/Reviews

Ba, Xiaolan, Rafailovich, Miriam, Meng, Yizhi, Pernodet, Nadine, Wirick, Sue, Füredi-Mihofer, Helga, Qin, Yi-Xian and DiMasi, Elaine. (2010) Complementary effects of multi-protein components on biomineralization in vitro. *Journal of Structural Biology* 170(1): 83-92.

- Ba, Xiaolan**, DiMasi, Elaine and Rafailovich, Miriam. (2009) Study on effects of Type I collagen combined with noncollagenous proteins on hydroxyapatite formation in vitro using SPM and GIXD. *Materials Research Society Symposium Proceedings 2009*.
- Balazsi, C., **Bishop, A.**, Yang, J.H.C., Balazsi, K., Weber, F. and Gouma, P.I. (2009) Biopolymer-Hydroxyapatite Scaffolds for Advanced Prosthetics. *Composite Interfaces 16*(2-3): 191-200.
- Mušálek R., Kovářik O., Skiba T., Haušild P., Karlík M., **Colmenares-Angulo J.** (In Press) Fatigue Properties of FeAl Intermetallic Coatings Prepared by Plasma Spraying. *Intermetallics*.
- Colmenares-Angulo, J.**, Zhao, S., Young, C., Orlov A. (2009) The effects of thermal spray technique and post-deposition treatment on the photocatalytic activity of TiO₂ coatings. *Surface and Coatings Technology 204*(4): 423-427.
- Carvajal, J.J., Raghothamachar, B., Silvestre, O., **Chen, H.**, Pujol, M.C., Petrov, V., Dudley, M., Aguilo M., and Diaz, F. (2009) Effect of Structural Stress on the Laser Quality of Highly Doped Yb:KY(WO₄)₂/KY(WO₄)₂ and Yb:KLu(WO₄)₂/KLu(WO₄)₂ Epitaxial Structures. *Crystal Growth & Design 9*: 653-656.
- Chen, Y.**, Dudley, M., Sanchez E.K., and MacMillan, M.F. (2009) Sense Determination of Micropipes via Grazing-incidence Synchrotron White Beam X-ray Topography in 4H-Silicon Carbide. In S. Yoshida, S. Nishino, H. Harima, and T. Kimoto (Eds.), *Silicon Carbide, III-Nitrides, and Related Materials 2007. Materials Science Forum 600-603*: 297-300.
- Chen, Y.**, Balaji, R., Dudley, M., Murthy, M., Freitas Jr., J.A., and Maximenko, S. (2009) Mapping of Defects in Large-Area Silicon Carbide Wafers via Photoluminescence and its Correlation with Synchrotron White Beam X-ray Topography. In S. Yoshida, S. Nishino, H. Harima, and T. Kimoto (Eds.), *Silicon Carbide, III-Nitrides, and Related Materials 2007. Materials Science Forum 600-603*: 549-552.
- Chen, Y.**, Dudley, M., Liu, K.X., Caldwell, J. D., and Stahlbush, R.E. (2009) Synchrotron X-ray Topographic Studies of Recombination Activated Shockley Partial Dislocations in 4H-SiC Epitaxial Layers. In S. Yoshida, S. Nishino, H. Harima, and T. Kimoto (Eds.), *Silicon Carbide, III-Nitrides, and Related Materials 2007. Materials Science Forum 600-603*: 357-360.
- MacMillan, M.F., Sanchez, E.K., Dudley, M., **Chen, Y.**, and Loboda, M. J. (2009) Micropipe Dissociation through Thick n+ Buffer Layer Growth. . In S. Yoshida, S. Nishino, H. Harima, and T. Kimoto (Eds.), *Silicon Carbide, III-Nitrides, and Related Materials 2007. Materials Science Forum 600-603*: 167-170.
- Dudley, M., **Chen, Y.**, and Huang, X.R. (2009) Aspects of Dislocation Behavior in SiC. In S. Yoshida, S. Nishino, H. Harima, and T. Kimoto (Eds.), *Silicon Carbide, III-Nitrides, and Related Materials 2007. Materials Science Forum 600-603*: 261-266.
- Wu, P., Yoganathan, M., Zwieback, I., **Chen, Y.** and Dudley, M. (2009) Characterization of Dislocations and Micropipes in 4H n+ SiC Substrates. In S. Yoshida, S. Nishino, H. Harima, and T. Kimoto (Eds.), *Silicon Carbide, III-Nitrides, and Related Materials 2007. Materials Science Forum 600-603*: 333-336.
- Kamata, I., Nagano, M., Tsuchida, H., **Chen, Y.** and Dudley, M. (2009) High Resolution Topography Analysis on Threading Edge Dislocations in 4H-SiC Epilayers. In S. Yoshida, S. Nishino, H. Harima, and T. Kimoto (Eds.), *Silicon Carbide, III-Nitrides, and Related Materials 2007. Materials Science Forum 600-603*: 305-308.
- Kamata, I., Nagano, M., Tsuchida, H., **Chen, Y.** and Dudley, M. (2009) Investigation of Character and Spatial Distribution of Threading Edge Dislocations in 4H-SiC Epilayers by High-Resolution Topography. *J Cryst. Growth 311*: 1416-1422.
- Zhang, N., **Chen, Y.**, Zhang, Y., Dudley M., and Stahlbush, R.E. (2009) Nucleation Mechanism of Dislocation Half-Loop Arrays in 4H-Silicon Carbide Homo-Epitaxial Layers. *Appl. Phys. Lett. 94*: 122108.

- Wang, R., Ma R., and Dudley, M. (2009) Reduction of Chemical Reaction Mechanism for Halide Assisted Silicon Carbide Epitaxial Film Deposition. *Ind. Eng. Chem. Res.* 48: 3860-3866.
- Dudley, M., Zhang, N., and **Chen, Y.** (2009) Development of Methods for Dislocation Characterization in SiC Materials and Devices. In V. Raineri and F. Roccaforte (Eds.), *Proceedings of International Workshop on 3C-SiC Heteroepitaxy and Workshop on Advanced Semiconductor Materials and devices for Power Electronics Applications*. Catania, Italy: Consiglio Nazionale delle Ricerche Istituto per la Microelettronica e Microsistemi.
- Dwivedi, Gopal,** Wentz, Travis, Sampath, Sanjay, Nakamura, Toshio, (2009) Assessing Process and Coating Reliability Through Monitoring of Process and Design Relevant Coating Properties. *Journal of Thermal Spray Technology*. doi10.1007/s11666-009-9467-2
- Muller, E., Smedley, J., Raghothamachar, B., **Gaowei, M.**, Keister, J., Ben-Zvi, I., Dudley, M., Wu, Q. (In Press) Electronic Impact of Inclusions in Diamond. *2009 MRS Fall Meeting Symposium J Proceedings*.
- Ghabchi, Arash,** Khalil-Allafi, Jafar, Liu, Xuwen, Turunen, Erja, Söderberg, Outi, Varis, Tommi, Hannula S-P. (2009) Effect of Aging and Solution Annealing on Transformation and Deformation Mechanism of Super-elastic Ni50.9%-Ti Alloy in Nano-scale. *European Physical Journal B*.
- Ghabchi, Arash,** Varis, Tommi, Turunen, Erja, Suhonen, Tomi, Liu, Xuwen, Hannula, S-P. (2010) Behavior of HVOF WC-10Co4Cr Coatings with Different Carbide Size in Fine and coarse Particle Abrasion. *Special Issue of Journal of Thermal Spray Technology* 19(1-2): 368-377.
- Shakeri, M.S., Khalil-Allafi, J., Abbasi-Chianeh, V., **Ghabchi, Arash.** (2009) The Influence of Ni4Ti3 precipitates orientation on two-way shape memory effect in a Ni-rich NiTi alloy. *Journal of Alloys and Compounds* 485(1-2): 320-323.
- Haynes, A.** and Gouma, P. (2009) Polyaniline Based Environmental Gas Sensors. In Baraton, M.I. (Ed.), *Sensors for Environment, Health, and Security, NATO Science for Peace and Security Series*. Springer.
- Balazsi, C., Sedlackova, S., Pfeifer, J., Toth, A.L., Zayim, E.O., Szilagyi, L., **Kalyanasundaram, K.** and Gouma, P.I. (2009) Synthesis and Examination of Hexagonal Tungsten Oxide Nanocrystals for Electrochromic and Sensing Applications. In Baraton, M.I. (Ed.), *Sensors for Environment, Health, and Security, NATO Science for Peace and Security Series*. Springer.
- Kerker, P.**, Jones, K.W., Kleinberg, R.L., Lindquist, W.B., Tomov, S., Feng, H., Mahajan, D. (2009) Direct observations of three dimensional growth of hydrates hosted in porous media. *Applied Physics Letter* 95: 024102.
- Zheng, L., Zhang, H., Zhang, M., **Kerker, P.**, Mahajan, D. (2009) Modeling Methane Hydrate Formation in Marine Sediments. In T. Collett, A. Johnson, C. Knapp, and R. Boswell, (Eds.), *Natural gas hydrates—Energy resource potential and associated geologic hazards: AAPG Memoir* 89.
- Liu, Y.**, Rafailovich, M., Malal, D., Cohn, D., Chidambaram, D. (2009) Creation of novel bio-hybrid materials by encapsulation of microbes in polymer fibers via electrospinning process. *Proceedings of the National Academy of Sciences* 106(34): 14201-14206.
- Liu, Y.**, Li, C., Chen, S., Tadanori, K., Jonathan, S., Rafailovich, M. (2009) Electrospinning of poly(ethylene-co-vinyl acetate)/clay nanocomposite fibers. *Journal of Polymer Science Part B: Polymer Physics* 47: 2501-2508.
- Liu, Y.**, Franco, A., Huang, L., Gersappe, D., Clark, R., Rafailovich, M. (2009) Control of cell migration in two and three dimensions using substrate morphology. *Experimental Cell Research* 315(15): 2544-2557.
- Liu, Y.**, Ji, Y., Ghosh, K., Clark, R., Huang, L., Rafailovich, M. (2009) Effect of fiber orientation and diameter on the behavior of human dermal fibroblasts on electrospun PMMA scaffolds. *Journal of Biomedical Materials Research Part A* 90A: 1092-1106.

- Raghothamachar, B. **Sarkar, V.** Dudley, M. Noveski, V. and Sharan, S. (2009) A Novel X-ray Diffraction-based Technique for Complete Stress State Mapping of Packaged Silicon Dies. In P. A. Kohl, P. S. Ho, P. Thompson and R. Aschenbrenner (Eds), *Packaging, Chip-Package Interactions, and Solder Materials Challenges; Mater. Res. Soc. Symp. Proc. 1158E*. Warrendale, PA.
- Mironava, Tatsiana,** Hadjiargyrou, Michael, Simon, Marcia, Jurukovski, Vladimir & Rafailovich, Miriam H. (2010) Gold nanoparticles cellular toxicity and recovery: Effect of size, concentration and exposure time. *Nanotoxicology* 4(1): 120-137.
- Pack, Seongchan,** Kashiwagi, Takashi, Cao, Changhong, Korach, Chad, Lewin, Menachem, Rafailovich, Miriam. (2010) Role of Surface Interactions in the Synergizing Polymer/Clay Flame Retardant Properties. *Macromolecules*. doi10.1021/ma100669g.
- Pack, Seongchan,** Rafailovich, Miriam. (2010) Self extinguishing Polymer Clay Nanocomposite. Ch. 10 in Vikas Mittal (Ed.), *Thermally Stable and Flame Retardant Polymer Nanocomposites*. Cambridge, UK: Cambridge University Press.
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❖ **Abstracts, Conferences/Colloquiums, Presentations, Symposiums, Workshops**

- Ba, Xiaolan**, Meng, Yizhi, DiMasi, Elaine and Rafailovich, Miriam. (2010) Effects of static magnetic fields on the biomineralization of osteoblast cultures. *Gordon Research Conference*. New London, NH. (poster)
- Ba, Xiaolan.** (2010) A novel method towards the bone regeneration engineering: static magnetic field effects on the biomineralization of osteoblast. *Joint NSLS and CFN Users' Meeting*. Brookhaven National Laboratory, Upton, NY.
- DiMasi, Elaine, **Ba, Xiaolan**, Meng, Yizhi, Wirick, Sue, Füredi-Mihofer, Helga and Rafailovich, Miriam. (2010) Complementary Effects of Multi-protein Components on Biomineralization in vitro. *Materials Research Society*. San Francisco, CA.
- Ba, Xiaolan**, DiMasi, Elaine and Rafailovich, Miriam. (2009) Study on the Effects of Type I Collagen Combined with Noncollagenous Proteins on Hydroxyapatite Formation *in vitro*. *Materials Research Society*. Boston, MA. (poster)
- Bejarano, M. Lorena.** (2010) Thermal Shakedown of Thermal Spray Coatings. *International Thermal Spray Conference (ITSC 2010)*. Singapore.
- Bhatnagar, Divya**, Cowman, Mary, Rafailovich, Miriam. (2009) Physically crosslinked Hyaluronic Acid based novel Hydrogels. *MRS Annual Fall Meeting*. Boston, MA.
- Bhatnagar, Divya**, Lombardi, Jack, Rafailovich, Miriam. (2009) Rheological Characterization of Polymer-clay Nanocomposite Hydrogels and the Effect of Glucose on Them. *MRS Annual Fall Meeting*. Boston, MA. (poster)
- Chang, Chungchueh.** (2009) The effects of TiO2 nanoparticles on dental pulp stem cell differentiation. *MRS*. Boston, MA.
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- Colmenares-Angulo, J.** (2010) Suspension/ Precursor Thermal Spray of TiO2: Process oriented exploratory studies. *Hybrid Materials Center*. National Institute of Materials Science of Japan, Tsukuba, Japan.
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- Dorst, K., Meng, Y.** (2010) The Role of Chemical and Physical Modulation of Substrate Properties on Osteoblast Adhesion, Motility and Differentiation. *Gordon Research Conference on Biomaterialization*. New London, NH. (poster)
- Dorst, K., Meng, Y.** (2010). Adhesion, Migration and Differentiation Behavior of Osteoblasts on Various Surface Topographies. *2010 Joint NSLS and CFN Users' Meeting*. Upton, NY. (poster)
- Dwivedi, Gopal, Colmenares, Jose, Nakamura, Toshio, Sampath, Sanjay.** (2010) Effect of powder size distribution on the reproducibility of plasma spray process: A case study of plasma sprayed YSZ coatings. *International Thermal Spray Conference*. Singapore.
- Dwivedi, Gopal, Valarezo, Alfredo, Sampath, Sanjay, Nakamura, Toshio.** (2010) Changes observed in anelastic behavior of plasma sprayed YSZ coatings by modifying the defect surfaces. *International Thermal Spray Conference*. Singapore.
- Holmberg, Kenneth, Laukkanen, Anssi, Ronkainen, Helena, **Ghabchi, Arash, Helle, Aino, Rissa, Kati.** (2010) Coated Surface Wear Prediction by Computer Modelling. Plenary Talk by Holmberg, TriboBR. *1st Int. Brazilian Conf. on Tribology*. Rio de Janeiro, Brazil.
- Holmberg, Kenneth, Laukkanen, Anssi, **Ghabchi, Arash, Helle, Aino.** (2010) MicroFEM Modelling and Stress Simulation of Thick Composite Coating Structures. *Theoretical Modeling and Experimental Simulation in Tribology*. Cargese, France. (poster)
- Ghabchi, Arash, Helle, Aino, Holmberg, Kenneth.** (2010) Cracking Behavior of Thick Composite Coatings under Scratch Testing. *Nordtrib 2010*. Lulea, Sweden.
- Ghabchi, Arash, Holmberg, Kenneth, Valarezo, Alfredo, Turunen, Erja, Sampath, Sanjay.** (2010) Influence of Residual Stresses on Cracking Behavior of WC-17Co Coating in Scratch Test. *ITSC 2010*. Singapore.
- Ghabchi, Arash, Varis, Tommi, Turunen, Erja, Suhonen, Tomi, Hannula, S.P., Liu, Xuwen.** (2009) Behavior of HVOF WC-10Co4Cr Coatings with Different Carbide Size in Fine and Coarse Particle Abrasion. *International Thermal Spray Conference 2009*. Las Vegas, NV.
- Ghabchi, Arash, Khalil-Allafi, Jafar, Liu, Xuwen, Turunen, Erja, Söderberg, Outi, Varis, Tommi, Hannula, S.P.** (2009) Effect of Aging and Solution Annealing on Transformation and Deformation Mechanism of Super-elastic Ni50.9%-Ti Alloy in Nano-scale. *European Symposium on Martensitic Transformation (ESOMAT 2009)*. Prague, Czech Republic.
- Gin, Peter.** (2009) Summer School on Methods and Applications of Neutron Spectroscopy. *NIST Center for Neutron Research, National Institute of Standards and Technology*. Gaithersburg, MD.
- Gin, Peter, Asada, M., Sendogdular, L., Endoh, M.K., Yamaguchi, H., Kobayashi, M., Takahara, A., Koga T.** (2009) Anomalous Swelling of CO₂-Phylic Polymer Brushes in Density Fluctuating Supercritical Carbon Dioxide. *NSF/NCNR Summer School, NIST Center for Neutron Research, National Institute of Standards and Technology*. Gaithersburg, MD.
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- Lam, S., Asada, M., **Gin, Peter, Endoh, M.K. and Koga, T.** (2010) Manipulation of crystalline structures of ultrathin PEO films using supercritical CO₂. *APS March Meeting*. Portland, OR.
- Asada, M., **Gin, Peter, Endoh, Maya K., Satija S.K. and Koga T.** (2010) Self-assembly of Nanoparticles at Polymer Surfaces Induced by Density Fluctuating Supercritical CO₂. *APS March Meeting*. Portland, OR.

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- Yamaguchi, H., Honda, K., Kobayashi, M., Morita, M., **Gin, Peter**, Koga, T., Bennett, S., Satija, S.K., Takahara A. (2009) Analysis of Molecular Aggregation States of Poly(perfluoroalkyl Acrylate) Brush Thin Films in Supercritical CO₂. *The Symposium on Macromolecules*. The Society of Polymer Science, Tokyo, Japan.
- Koga, T., **Gin, Peter**, Asada, M., Endoh M. (2009) Universal Swelling of Polymer Thin Films in Density Fluctuating CO₂. *Gordon Conference 2009: Liquids, Chemistry & Physics Of*. Holderness, NH.
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- Asada, M., **Gin, Peter**, Endoh, M.K., Koga T. (2009) Surface Segregation of Nanoparticles in Polymer Thin Films Induced by Supercritical CO₂. *NSLS/CFN Users' Meeting*. Upton, NY.
- Kerkar, P.**, Mahajan, D. (2010) In-situ Kinetics and X-ray Computed Microtomography Imaging Studies of Methane Hydrates in Host Sediments. *X-ray Science Division, Advanced Photon Source*. Argonne National Laboratory, Argonne, IL.
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- Horvat, K., **Kerkar, P.**, Jones, K., Mahajan, D. (2009) Microscale Methane Hydrate Growth in Host Sediments. *Advanced Energy Conference*. Hauppauge, NY. (poster)
- Kerkar, P.**, Mahajan, D. (2009) In-situ Formation and Microscopic Characterization of Methane Hydrates in Host Sediments. *Atmospheric, Earth & Energy Division*. Lawrence Livermore National Laboratory, Livermore, CA. *Earth Sciences Division*. Lawrence Berkeley National Laboratory, Berkeley, CA.
- Lin, C.**, Simon, M., Jurukovski, V., Lee, W., Rafailovich, M. (2009) The Effect of Titanium Dioxide Nanoparticles on Keratinocyte Cell (KC) and Squamous Cell Carcinoma (SCC-13). *American Physical Society 2009 APS March Meeting*. Pittsburg, PA. *Materials Research Society 2009 MRS Fall Meeting*. Boston, MA.
- Liu, Ying**. (2009) In vitro migration of human dermal fibroblasts on the electrospun fibrous scaffold. *March American Physical Society Meeting*. Pittsburgh, PA.
- Liu, Ying**. (2009) Electrospinning of semicrystalline polymer fibers. *March American Physical Society Meeting*. Pittsburgh, PA.
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- Mironava, T.**, Pernodet, N., Rafailovich M.H. (2009) Gold Nanoparticles effect on Human Dermal Fibroblast. *American Physical Society 2009 APS March Meeting*. Pittsburg, PA.
- Mironava, T.**, Rafailovich, M.H. (2010) Cell damage by energy saving light bulbs. *Nanotech Conference & Expo 2010*. Anaheim, CA.
- Mironava, T.**, Hadjiargyroy, M., Rafailovich, M.H. (2010) Gold nanoparticles cellular toxicity and recovery. *Nanotech Conference & Expo 2010*. Anaheim, CA.

- Pan, Cheng.** (2009) Nanoparticle Enhancement of Polymer Electrolyte Membrane Fuel Cell Power Output. *2009 Materials Research Society Fall Meeting*. Boston, MA. (poster)
- Ramakrsihnan, Girish,** Zhao, Shen and Orlov, Alexander. (2010) Simultaneous observation of gas phase and surface species in photocatalytic reactions: the next generation of FTIR applications. *American Chemistry Society*. Boston, MA.
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- Sarkar, Vishwanath.** (2009) Residual stress mapping and depth profiling in packaged silicon integrated circuit using white beam synchrotron x-ray topography. *MRS Fall Meeting 2009*. Boston, MA.
- Zhao, Shen, Ramakrsihnan, Girish, **Shen, Peichuan,** Han, Weiqiang and Orlov, Alexander. (2010) Novel applications of sub-nanometer noble metal particles for photocatalysis. *American Chemistry Society*. Boston, MA.
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- Wen, Jinsheng.** (2010) Effect of magnetic field on the spin resonance in $\text{FeTe}_{0.5}\text{Se}_{0.5}$ as seen via inelastic neutron scattering. *9th International Conference on Spectroscopies in Novel Superconductors*. Shanghai, China. American Physical Society, Portland, OR, March 18, 2010.
- Wen, Jinsheng.** (2010) Neutron scattering studies on the interplay between magnetism and superconductivity in high- T_c superconductors. *Provost Graduate Student Lecture Series*. Stony Brook University, Stony Brook, NY.
- Wen, Jinsheng.** (2009) Magnetic- and electric-field effects on the magnetic and charge order in a multiferroic LuFe_2O_4 . *NIST Center for Neutron Research*. Gaithersburg, MD.
- Wen, Jinsheng.** (2009) Magnetic-field control of charge structures in a magnetically disordered phase of multiferroic LuFe_2O_4 . *American Crystallographic Association*. Toronto, ON.
- Wen, Jinsheng.** (2009) Diffuse scattering and phonons from $\text{K}_{0.98}\text{Li}_{0.02}\text{TaO}_3$. National Synchrotron Light Source. *Brookhaven National Laboratory*. Upton, NY.
- Young, Christopher N.,** Clayton, Clive, Longtin, Jon, Granata, Richard. (2009/2010) Depth Profiling of Polymer Composites by Ultrafast Laser Ablation. *2009 ASME IMECE*. Lake Buena Vista, FL. *Naval Research Laboratory*. Washington, DC. (invited lecture)
- Young, Christopher N.,** Scott, William, Connelly, Guy, Clayton, Clive, Granata, Richard. (2009) Relating Matrix Chemistry and Laser Fluorescence in Thermally Damaged Polymer Composites. *2009 ASME IMECE*. Lake Buena Vista, FL.
- Zhang, Y.,** Chen, H., Choi, G., Raghathamachar, B., Dudley, M., Edgar, J.H., Graszka, K., Tymicki, E., Zhang, L., Su, D., Zhu Y. (2009) Nucleation Mechanism of 6H-SiC Polytype Inclusions Inside 15R-SiC Crystals. *ICMAT*. Singapore. *ACCGE, Symposium Industrial Crystal Growth*. Lake Geneva, WI. *DRIP*. Wheeling, WV.
- Bakaloval, S., Gong, Y., Cobet, C., Esser, N., Zhang, Y., Edgar, J.H., **Zhang, Y.,** Dudley, M. and Kuball, M. (2009) Band Gap and Optical Properties of Icosahedral B_{12}As_2 : A New Material for Nuclear Applications. *MRS*. Boston, MA. (poster)
- Zhang, Y., Edgar, J.H., Gong, Y., Kuball, M., **Zhang, Y.,** Dudley, M., Kenik, E.A. and Meyer III, H. M. (2009) Heteroepitaxial B_{12}As_2 on SiC Substrates. *MRS*. Boston, MA. (poster)

- Gong, Y., Tapajna, M., Zhang, Y., Edgar, J.H., **Zhang, Y.**, Dudley, M., Hopkins, M., Farlow, G. and Kuball, M. (2009) Boron Arsenide/Silicon Carbide Heterojunction Diodes: A Novel Radiation Resistant Device System. *MRS*. Boston, MA.
- Dudley, M., Byrappa, S., Wang, H., Wu, F., **Zhang, Y.**, Raghothamachar, B. and Choi, G. (2010) Analysis of Dislocation Behavior in Low Dislocation Density, PVT-Grown, Four-Inch Silicon Carbide Single Crystals. *MRS*. San Francisco, CA.
- Ramakrishnan, Girish, **Zhao, Shen** and Orlov, Alexander. (2010) Simultaneous observation of gas phase and surface species in photocatalytic reactions: the next generation of FTIR applications. *American Chemistry Society*. Boston, MA.
- Zhao, Shen**, Ramakrishnan, Girish, Shen, Peichuan, Han, Weiqiang and Orlov, Alexander. (2010) Environmental photocatalysis: Exploring nanometer and sub-nanometer particles to enhance the activity. *American Chemistry Society*. Boston, MA.
- Zhao, Shen**, Ramakrishnan, Girish, Shen, Peichuan, Han, Weiqiang and Orlov, Alexander. (2010) Novel applications of sub-nanometer noble metal particles for photocatalysis. *American Chemistry Society*. Boston, MA.
- Zhou, J.**, Jie, Q., Wu, L.J., Li, Q. (2010) Microstructure Investigation of Filled Skutterudite Compound CeFe₄Sb₁₂ by Melt Spinning and Spark Plasma Sintering. *MRS Spring Meeting*. San Francisco, CA.
- Jie, Q., **Zhou, J.**, Dimitrov, I., Camacho, J., Li, Q., Shi, X., Yang, J.H., Li, C.P., Uher, C. (2010) Thermoelectric Properties of the Non-Equilibrium Synthesized Filled Skutterudites. *MRS Spring Meeting*. San Francisco, CA.
- Dimitrov, Ivo, Manley, Michael, Jie, Qing, **Zhou, Juan**, Camacho, Jorge, Ehlers, Georg, Podlesnyak, Andrey, Shapiro, Steven, Li, Qiang. (2010) Phonon Density of States in Equilibrium and Non-equilibrium Prepared Ytterbium and Cerium-Filled Skutterudites. *APS March Meeting*. Portland, OR.
- Ke, X.Z., Chen, C.F., Yang, J.H., Wu, L.J., **Zhou, J.**, Li, Q., Zhu, Y.M., Kent, P.R. (2009) Microstructure and Nucleation Mechanism for Nanoprecipitates in PbTe-AgSbTe₂. *APS March Meeting*. Pittsburgh, PA.
- Zhou, J.**, Jie, Q., Wu, L.J., Li, Q. (2010) Microstructure Investigation of Filled Skutterudite Compound CeFe₄Sb₁₂ by Melt Spinning and Spark Plasma Sintering. *MRS Spring Meeting*. San Francisco, CA.
- Jie, Q., **Zhou, J.**, Dimitrov, I., Camacho, J., Li, Q., Shi, X., Yang, J.H., Li, C.P., Uher, C. (2010) Thermoelectric Properties of the Non-Equilibrium Synthesized Filled Skutterudites. *MRS Spring Meeting*. San Francisco, CA.
- Dimitrov, Ivo, Manley, Michael, Jie, Qing, **Zhou, Juan**, Camacho, Jorge, Ehlers, Georg, Podlesnyak, Andrey, Shapiro, Steven, Li, Qiang. (2010) Phonon Density of States in Equilibrium and Non-equilibrium Prepared Ytterbium and Cerium-Filled Skutterudites. *APS March Meeting*. Portland, OR.

❖ **Other**

- Bejarano, Miryan Lorena.** (2009-2010) Student Board Member. *ASM Thermal Spray Society*. Materials Park, OH.

MATHEMATICS

GRADUATE DIRECTOR: CLAUDE LEBRUN
DEPARTMENT CHAIR: LEON TAKHTAJAN

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

Basu, Somnath. (2010) Monday Colloquium. *An Introduction to String Topology*. Indian Statistical Institute, Kolkata, India.

MECHANICAL ENGINEERING

GRADUATE DIRECTOR: ROBERT KUKTA
DEPARTMENT CHAIR: FU-PEN CHIANG

❖ Grants, Fellowships, and Awards

- Cao, Changhong.** (2010) NSF Graduate Student Fellowship to attend 2010 ASME International 1st Global Congress on Nano Engineering for Medicine & Biology, \$220. *NSF Summer Institute*, Houston, TX.
- Chen, Xiaoming.** (2010) NSF Graduate Student Fellowship to attend 2010 ASME International 1st Global Congress on Nano Engineering for Medicine & Biology, \$220. *NSF Summer Institute*, Houston, TX.
- Chung, C.** (2009) MSEC2009 Student Travel Support, \$300, *ASME 2009 International Manufacturing Science and Engineering Conference*, West Lafayette, IN.
- Lu, Cunyou.** (2010) NSF Graduate Student Fellowship to attend 2010 ASME International 1st Global Congress on Nano Engineering for Medicine & Biology, \$220. *NSF Summer Institute*, Houston, TX.
- Tang, Xiudong.** (2009) Imagine Cup Student Competition 2009, \$10,000. *Microsoft*, Cairo, Egypt.
- Wu, Jun.** (2009) MSC Simulation Software Award/Best Paper Award, \$1,000, *ASME 33rd Mechanisms and Robotics Conference*, San Diego, CA.
- Zhang, Kunbo.** (2009) NSF CMMI 2009 Student Registration, Hotel and Travel Support, \$1500. *2009 NSF Civil, Mechanical and Manufacturing Innovation Grantees and Research Conference*, Honolulu, HI.

❖ Jointly Authored Publications/Research Reports/Reviews

- Zhao, W., Cao, C., Korach, C.S. (2010) Measurement of Structural Variations in Enamel Nanomechanical Properties using Quantitative Atomic Force Acoustic Microscopy. *Proceedings of the 2010 SEM Annual Conference and Exposition*, Indianapolis, IN.
- Choi, J.H.** and Korach, C.S. (2009) Nanoscale Defect Generation in CMP of Low-k/Copper Interconnect Patterns. *Journal of the Electrochemical Society* 156: H961.
- Korach, C.S., Reiner, A. and **Cao, C.** (2009) Measurement of Vertically Aligned Carbon Nanotube Array Bulk Friction in Contact with Silicon. *Proceedings of the 2009 STLE Annual Meeting and Exhibition*, Orlando, FL.
- Bhagavat, S., Liberato, J.C., **Chung, C.**, and Kao, I., (In Press) Effect of Abrasive Grits in Slurries on Free Abrasive Machining (FAM) Processes. *International Journal of Machine Tools and Manufacture*.
- Chung, C.** and Kao, I. (2009) Numerical Studies on the Frequency Response of Damped Axially Moving Wire. *Proceedings of ASME 2009 International Design Engineering Technical Conference & Computers and Information in Engineering Conference*, San Diego, CA.
- Darvishi, S.** and Cubaud, T. (2010) Viscous Core-Annular Flows in Microfluidic Chambers. *Proceedings of ASME 2010, 3rd Joint US-European Fluids Engineering Summer Meeting and 8th International Conference on Nanochannels, Microchannels, and Minichannels*, Montreal, QB.

Mechanical Engineering

- Purwar, A., Wu, J., **Gupta, A.**, and Ge, Q.J. (2010) A Visual, Interactive Approach to Synthesis of Spherical 6R Closed Chains for Rational Motions Via Constraint Manifold Modification. *Proceedings of ASME 2010 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference 28874*. Montreal, QB.
- Han, X.** and Huang, P.S. (2009) Combined stereovision and phase shifting method: a new approach for 3D shape measurement, *Proceedings of SPIE 7389*: 125.
- Han, X.** and Huang, P.S. (2009) Combined stereovision and phase shifting method: use of a visibility-modulated fringe pattern. *Proceedings of SPIE 7389*: 131.
- Han, X.** and Huang, P.S. (2009) Combined Stereovision and Phase Shifting Method: Use of a Color Visibility-Modulated Fringe Pattern. *Proceedings of SPIE 7432*: 32.
- Han, X.** and Huang, P.S. (2009) A Portable 3-D Shape Measurement System Based on the Combined Stereovision and Phase Shifting Method. *Proceedings of SPIE 7432*: 36.
- Lopez-Pamies, O., Idiart, M.I., **Li, Z.** (In Press) On microstructure evolution in fiber-reinforced elastomers and implications for their mechanical response and stability. *Journal of Engineering Materials and Technology*.
- Rastegar, J., **Murray, R.** (2009) Development and Commercialization Strategy for Piezoelectric Energy-Harvesting Power Sources for Gun-Fired Munitions. *SPIE 16th Annual International Symposium on Smart Structures and Materials 7645*: 1, San Diego, CA.
- Rastegar, J., **Murray, R.**, Pereira, C., and Nguyen, H-L. (2009) Energy-Harvesting Power Sources for Very-High-G Gun-Fired Munitions. *SPIE 16th Annual International Symposium on Smart Structures and Materials 7643*: 12, San Diego, CA.
- Rastegar, J., **Murray, R.** (2009) Novel Two-Stage Piezoelectric-Based Electrical Energy Generators for Low and Variable Speed Rotary Machinery. *SPIE 16th Annual International Symposium on Smart Structures and Materials 7643*: 11, San Diego, CA.
- Korach, C.S., **Reiner, A.** and Cao, C. (2009) Measurement of Vertically Aligned Carbon Nanotube Array Bulk Friction in Contact with Silicon. *Proceedings of the 2009 STLE Annual Meeting and Exhibition*, Orlando, FL.
- Tang, Xiudong** and Zuo, Lei. (2009) Towards MESO and Macro Scale Energy Harvesting of Vibration. *Proceedings of the 2009 ASME International Mechanical Engineering Congress and Exposition*, Lake Buena Vista, FL.
- Zuo, Lei and **Tang, Xiudong**. (2009) Circuit optimization and vibration analysis of electromagnetic energy harvesting systems. *Proceedings of the 2009 ASME Design Engineering Technical Conference*, San Diego, CA.
- Tang, Xiudong** and Zuo, Lei. (2010), Passive, Active and Semi-active Series Tuned Mass Dampers. *Proceedings of SPIE-The International Society for Optical Engineering: Active and Passive Smart Structures and Integrated Systems*, San Diego, CA.
- Tang, Xiudong** and Zuo, Lei. (2010), Self-powered Active Control of Structures with TMDs. *IMAC XXVIII Conference and Exposition on Structural Dynamics: Structural Dynamics and Renewable Energy*, Jacksonville, FL.
- Tang, Xiudong** and Zuo, Lei. (2010) Regenerative Semi-Active Control of Tall Building Vibration with Series TMDs. *Proceedings of America Control Conference*, Baltimore, MD.
- Purwar, A., **Wu, J.**, Gupta, A., and Ge, Q.J. (2010) A Visual, Interactive Approach to Synthesis of Spherical 6R Closed Chains for Rational Motions Via Constraint Manifold Modification. *Proceedings of ASME 2010 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference 28874*. Montreal, QB.
- Wu, J.**, Purwar, A., and Ge, Q.J. (In Press) Interactive Dimensional Synthesis and Motion Design of Planar 6R Closed Chains via Constraint Manifold Modification. *ASME Journal of Mechanisms and Robotics*.

- Wu, J.,** Ge, Q.J., Su, Hai-Jun, Gao, F. (2010) Kinematic Acquisition of Geometric Constraints for Task Centered Mechanism Design. *Proceedings of ASME 2010 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference 28287*. Montreal, QB.
- Wu, J.,** Ge, Q.J., Gao, F., Guo, W.Z. (2010) On the Extension of a Fourier Descriptor Based Method for Four-Bar Linkage Synthesis for Generation of Open and Closed Paths. *Proceedings of 2010 ASME Mechanisms and Robotics Conference 29028*. Montreal, QB.
- Wu, J.,** Purwar, A., and Ge, Q.J. (2009) Interactive Dimensional Synthesis and Motion Design of Planar 6R Closed Chains via Constraint Manifold Modification. *Proceedings of 2009 ASME Mechanisms and Robotics Conference 87818*. San Diego, CA.
- Wu, J.,** Ge, Q.J., Gao, F. (2009) An Efficient Method for Synthesizing Crank-Rocker Mechanisms for Generating Low-Harmonic Curves. *Proceedings of 2009 ASME Mechanisms and Robotics Conference 87140*. San Diego, CA.
- Ge, Q.J., **Wu, J.,** Purwar, A., and Gao, F. (2009) Kinematic Convexity of Planar Displacements Based On an Approximately Bi-Invariant Metric. *Proceedings of 2009 ASME Mechanisms and Robotics Conference 87812*. San Diego, CA.
- Wu, J.,** Ge, Q. J., and Gao, F. (2010) On Representation and Identificaiton of Geometric Constraints Using Fourier Descriptors. *Proceedings of the 2010 International Conference on Mechanisms and Machine Science*, Shanghai, China.
- Zhao, W.,** Cao, C., Korach, C.S. (2010) Measurement of Structural Variations in Enamel Nanomechanical Properties using Quantitative Atomic Force Acoustic Microscopy. *Proceedings of the 2010 SEM Annual Conference and Exposition*, Indianapolis, IN.
- Zhao, W.** and Korach, C.S. (2009) Measurement of Epoxy Stiffness by Atomic Force Acoustic Microscopy. *Proceedings of the 2009 ASME International Mechanical Engineering Congress and Exhibition*, Lake Buena Vista, FL.

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

- Cao, C.** and Korach, C.S. (2009) Microscale Damage and Erosion in Tooth Enamel. *2009 Society of Experimental Mechanics Annual Meeting*. Albuquerque, NM.
- Korach, C.S., Reiner, A. and **Cao, C.** (2009) Measurement of Vertically Aligned Carbon Nanotube Array Bulk Friction in Contact with Silicon. *2009 STLE Annual Meeting and Exhibition*. Orlando, FL.
- Capria, C.** and Kao, I. (2009) International Research and Education Collaboration and the Game of Baseball Have Much in Common. *International Conference on Engineering Education and Research*. Seoul, Korea.
- Korach, C.S., **Choi, J.H.,** Kim, C. and Neiman, A. (2009) Characterization and Properties of Yeast Spore Walls by Scanning Probe Microscopy. *2009 STLE Annual Meeting and Exhibition*. Orlando, FL.
- Chung, C.,** and Melendez, G., and Kao, I. (2009) Experimental Study of Lapping Using Mixed Abrasive Grits. *ASME 2009 International Manufacturing Science and Engineering Conference*. West Lafayette, IN.
- Cubaud, T. and **Darvishi, S.** (2009) Folding of Capillary Threads in Microfluidic Networks. *62nd Annual Meeting of the American Physical Society - Division of Fluid Dynamics*. Minneapolis, MN.
- Darvishi, S.** and Cubaud, T. (2009) Lubrication Failure of Viscous Threads in Microfluidic Chambers. *62nd Annual Meeting of the American Physical Society - Division of Fluid Dynamics*. Minneapolis, MN.

Mechanical Engineering

- Chung, C., and **Melendez, G.**, and Kao, I. (2009) Experimental Study of Lapping Using Mixed Abrasive Grits. *ASME 2009 International Manufacturing Science and Engineering Conference*. West Lafayette, IN.
- Rastegar, J., **Murray, R.** (2010) A Review of Two Patents Relating to Novel Energy Harvesting Techniques to Provide Electrical Power On-Board Gun-Fired Projectiles. *ASME IDETC Session: MR-9-1 Review of Recent Mechanical System and Device Patents*. Montreal, QB.
- Murray, R.**, Rastegar, J. (2010) A Review of Three Patents Relating to the Development of Novel Inertia-Driven Mechanisms for Igniters On-Board Gun-Fired Munitions. *ASME IDETC Session: MR-9-1 Review of Recent Mechanical System and Device Patents*, Montreal, QB.
- Korach, C.S., **Reiner, A.** and Cao, C. (2009) Measurement of Vertically Aligned Carbon Nanotube Array Bulk Friction in Contact with Silicon. *2009 STLE Annual Meeting and Exhibition*. Orlando, FL.
- Tang, Xiudong** and Zuo, Lei. (2009) Towards MESO and Macro Scale Energy Harvesting of Vibration. *Advanced Energy Conference*. Hauppauge, NY.
- Tsai, C.**, Kao, I., Yoshimoto, K., Higashimori, M. and Kaneko, M. (2009) An Experimental Study and Modeling of Loading and Unloading of Nonlinear Viscoelastic Contacts. *International Conference on Intelligent Robots and Systems (IROS)*. St. Louis, MO.
- Tsai, C.** and Kao, I. (2009) The Latency Model for Viscoelastic Contact Interface in Robotics: Theory and Experiments. *International Conference on Robotics and Automation (ICRA)*. Kobe, Japan.
- Korach, C.S., **Sha, O.** and Zhao, W. (2009) The Effect of pH Levels and Exposure Times on Polyurethane Scratch Resistance. *2009 STLE Annual Meeting and Exhibition*. Orlando, FL.
- Sun, R.** and Cubaud, T. (2009) Carbon Dioxide and Water Multiphase Flow in Microchannels. *62nd Annual Meeting of the American Physical Society - Division of Fluid Dynamics*. Minneapolis, MN.
- Wu, J.**, Ge, Q.J., Su, Hai-Jun, Gao, F. (2010) Kinematic Acquisition of Geometric Constraints for Task Centered Mechanism Design. *2010 ASME Mechanisms and Robotics Conference*. Montreal, QB.
- Wu, J.**, Ge, Q.J., Gao, F., Guo, W. Z. (2010) On the Extension of a Fourier Descriptor Based Method for Four-Bar Linkage Synthesis for Generation of Open and Closed Paths. *2010 ASME Mechanisms and Robotics Conference*. Montreal, QB.
- Wu, J.**, Purwar, A., and Ge, Q.J. (2009) Interactive Dimensional Synthesis and Motion Design of Planar 6R Closed Chains via Constraint Manifold Modification. *2009 ASME Mechanisms and Robotics Conference*. San Diego, CA.
- Wu, J.**, Ge, Q.J., Gao, F. (2009) An Efficient Method for Synthesizing Crank-Rocker Mechanisms for Generating Low-Harmonic Curves. *2009 ASME Mechanisms and Robotics Conference*. San Diego, CA.
- Xionghui, Lu** and Xu, Zhong. (2009) Robotic MMT for Data Center Thermal Mapping and Energy Management. *Advanced Energy Conference, 2009*. The Hyatt Regency Long Island, Hauppauge, NY.
- Zhao, W.** and Korach, C.S. (2009) Environmental Effects on Carbon Fiber Reinforced Epoxy Composites Measured by Atomic Force Acoustic Microscopy. *2009 ASME International Mechanical Engineering Conference and Exposition*. Lake Buena Vista, FL.
- Zhao, W.** and Korach, C.S. (2009) Measurement of Epoxy Stiffness by Atomic Force Acoustic Microscopy. *2009 ASME International Mechanical Engineering Conference and Exposition*. Lake Buena Vista, FL.
- Zhao, W.** and Korach, C.S. (2009) Measurement of Fiber Reinforced Composite Epoxy Stiffness by Atomic Force Acoustic Microscopy. *2009 Society of Experimental Mechanics Annual Meeting*. Albuquerque, NM.
- Korach, C.S., Sha, O. and **Zhao, W.** (2009) The Effect of pH Levels and Exposure Times on Polyurethane Scratch Resistance. *2009 STLE Annual Meeting and Exhibition*. Orlando, FL.

❖ **Software Developed**

Wu, Jun. (2009), DimSynth V1.0, Motion Design and Planar Closed 6R Single-Loop Chain Design. Stony Brook, NY.

❖ **Patents**

Rastegar, J., **Murray, R.**, Spinelli, T. (2009) Mechanical delay mechanisms for inertial igniters for thermal batteries and the like. US Patent #7,587,980.

Rastegar, J., **Murray, R.**, Spinelli, T. (2009) Multi-stage mechanical delay mechanisms for inertial igniters for thermal batteries and the like. US Patent #7,587,979.

MOLECULAR AND CELLULAR BIOLOGY

GRADUATE DIRECTOR: ROLF STERNGLANZ
DEPARTMENT CHAIR: ROBERT HALTIWANGER

❖ Jointly Authored Publications/Research Reports/Reviews

Callender, T., and Hollingsworth, N.M. (In Press) Mek1 suppression of meiotic double strand break repair is specific to sister chromatids, chromosome autonomous and independent of Rec8 cohesin complexes. *Genetics*.

Clower, C.V.*, **Chatterjee, D.***, Wang, Z., Cantley, L.C., Vander Heiden, M.G., Krainer, A.R. (2010) The alternative splicing repressors hnRNP A1/A2 and PTB influence pyruvate kinase isoform expression and cell metabolism. *PNAS* 107:1894-1899. (*equal contributors)

Cheng, H., Megha, and London, E. (2009) Preparation and Properties of Asymmetric Vesicles That Mimic Cell Membranes: Implications for Lipid Raft Formation and Transmembrane Helix Orientation. *J. Biol. Chem.* 284(10): 6079-6092.

Staresincic, L., **Fagbemi, A.F.**, Enzlin, J.H., Gourdin, A.M., Wijgers, N., Dunand-Sauthier, I., Giglia-Mari, G., Clarkson, S.G., Vermeulen, W., and Schäfer, O.D. (2009) Coordination of dual incision and repair synthesis in human nucleotide excision repair. *The EMBO Journal* 28(8): 1111-1120.

Goncalves, J.A., Ahuja, S., Erfani, S., Eilers, M., and Smith, S.O. (In Press) Structure and function of G protein-coupled receptors using NMR spectroscopy. *Progress in NMR Spectroscopy*.

Hornak, V., Ahuja, S., Eilers, M., **Goncalves, J.A.**, Sheves, M., Reeves, P.J., Smith, S.O. (2010) Light activation of rhodopsin: insights from molecular dynamics simulations guided by solid-state NMR distance restraints. *J Mol Biol.* 396(3): 510-27.

Ahuja, S., Hornak, V., Yan, E.C.Y., Syrett, N., **Goncalves, J.A.**, Hirshfeld, A., Ziliox, M., Sakmar, T.P., Sheves, M., Reeves, P.J., Smith, S.O., and Eilers, M. (2009) Helix movement is coupled to displacement of the second extracellular loop in rhodopsin activation. *Nat. Struct. Mol. Biol.* 16: 168-175.

Penzo, M., Molteni, R., Suda, T., Samaniego, S., Raucchi, A., **Habieli, D.M.**, Miller, F., Jiang, H., Li J., Pardi, R., Palumbo, R., Olivotto, E., Kew, R.R., Bianchi, M.E., and Marcu, K.B. (2010) HMGB1 chemotactic responses differentially depend on IKK α and IKK β to drive two NF- κ B pathways. *Journal of Immunology* 184: 4497-4509.

Zhang, J., **Habieli, D.M.**, Ramadass, M., and Kew, R.R. (2010) Identification of two distinct cell binding sequences in the vitamin D binding protein. *Biochimica et Biophysica Acta - Molecular Cell Research* 1803:623-629.

Hui-Ju, Y., and Neiman, A.M. (2010) A Guanine Nucleotide Exchange Factor Is a Component of the Meiotic Spindle Pole Body in *Shizosaccharomyces pombe*. *Molecular Biology of the Cell* 21: 1272-1281.

Jiang, P., **Jahan, N.**, Wimmer, E. (2010) Mechanisms of Pathogenesis of Enteroviruses and Strategies to Mitigate Enteroviral Virulence. In D. Raghunath (Ed.), *Mechanisms of Microbial Pathogenesis*. India: Macmillan Publishers India Ltd.

Kok, F.O., Shepherd, I.T. and Sirotkin, H.I. (2010) Churchill and Sip1 α repress fibroblast growth factor signaling during zebrafish somitogenesis. *Dev Dyn* 239: 548-58.

Liao, M.C., Ahmed, M., Smith, S.O., Van Nostrand, W.E. (2009) Degradation of amyloid beta protein by purified myelin basic protein. *Journal of Biological Chemistry* 284(42): 28917-25.

Liao, M.C., Van Nostrand, W.E. (2010) Degradation of Soluble and Fibrillar Amyloid β -Protein by Matrix Metalloproteinase (MT1-MMP) *in-Vitro*. *Biochemistry* 49: 1127-1136.

- Liu, X.**, Schuck, S. and Stenlund, A. (2010) Structure-based mutational analysis of the bovine papillomavirus E1 helicase domain identifies residues involved in the nonspecific DNA binding activity required for double trimer formation. *J. Virol.* 84: 4264-4276.
- Liu, X.**, and Stenlund, A. (2010) Mutations in Sensor 1 and Walker B in the bovine papillomavirus E1 initiator protein mimic the nucleotide-bound state. *J. Virol.* 84: 1912-1919.
- Prieto-Echagüe, V.**, Gucwa, A., Craddock, B.P., Brown, D.A., and Miller, W.T. (2010) Cancer-associated mutations activate the nonreceptor tyrosine kinase Ack1. *Journal of Biological Chemistry* 285(14): 10605-15.
- Zhang, J., Habel, D.M., **Ramadass, M.**, and Kew, R.R. (2010) Identification of two distinct cell binding sequences in the vitamin D binding protein. *Biochimica et Biophysica Acta - Molecular Cell Research* 803:623-629
- Rana, N.A.**, Xu, M.L., Moss, H., Rab, A., Nita-Lazar, A., Caswell, D., Tan, E., Haltiwanger, R.S. (2009) On the “Fringe” of Notch: Mapping Sites of O-Fucosylation and Fringe Elongation on *Drosophila* Notch Extracellular Domain using Mass Spectrometry. *Glycobiology* 19: 1334a.
- Bakker, H., Oka, T., Ashikov, A., Yadav, A., Berger, M., **Rana, N.A.**, Bai, X., Jigami, Y., Haltiwanger, R.S., Esko, J.D., Gerardy-Schahn, R. (2009) Functional UDP-xylose transport across the ER/Golgi membrane in a Chinese hamster ovary cell mutant defective in UDP-xylose synthase. *J. Biol. Chem.* 284: 2576-2583.
- Relucio, J.**, Tzvetanova, I.D., Ao, W., Lindquist, S., Colognato, H. (2009) Laminin alters fyn regulatory mechanisms and promotes oligodendrocyte development. *Journal of Neuroscience* 29(38):11794-11806.
- Loulier, K., Lathia, J.D., Marthiens, V., **Relucio, J.**, Mughal, M.R., Tang, S.C., Coksaygan, T., Hall, P.E., Chigurupati, S., Patton, B., Colognato, H., Rao, M.S., Mattson, M.P., Haydar, T.F., Ffrench-Constant, C. (2009) beta1 integrin maintains integrity of the embryonic neocortical stem cell niche. *PLoS Biology* 8. doi e1000176.
- Sun, S., Zhang, Z., **Sinha, R.**, Karni, R., Krainer, A.R. (2010) SF2/ASF autoregulation involves multiple layers of post-transcriptional and translational control. *Nat Struct Mol Biol* 17: 306-313.
- Sinha, R.**, Allemand, E., Zhang, Z., Karni, R., Myers, M.P., Krainer, A.R. (In Press) Arginine methylation controls the subcellular localization and functions of the oncoprotein splicing factor SF2/ASF. *MCB*.
- Sun, S.**, Zhang, Z., Sinha, R., Karni, R., Krainer, A.R. (2010) SF2/ASF autoregulation involves multiple layers of post-transcriptional and translational control. *Nat Struct Mol Biol* 17: 306-312.
- Wu, H., **Sun, S.**, Tu, K., Gao, G., Xie, B., Krainer, A.R., Zhu, J. (2010) A splicing independent function of SF2/ASF in microRNA processing. *Mol Cell* 38: 67-77.
- Song, B., Wang, Y., **Titmus, M.A.**, Botchkina, G., Ju, J. (In Press) Effects of miR-215 on the resistance to chemotherapy in osteosarcoma and colon cancer cells. *Molecular Cancer*.
- Vasudevan, D.**, Majerus, E., Haltiwanger, R.S. (2009) Importance of O-Fucosylation on Thrombospondin Type I Repeats for Secretion of ADAMTS13. *Glycobiology* 19: 1336a.
- Haltiwanger, R.S., Du, J., Leonhard-Melief, C., **Vasudevan, D.**, Chaubard, J.L., Holdener, B.C. (2009) O-Fucosylation of Thrombospondin Type I Repeats is Essential for Early Mouse Embryogenesis. *Glycobiology* 19: 1290a.
- Hagn, F., Klein, C., Demmer, O., Marchenko, N., **Vaseva, A.**, Moll, U.M., Kessler, H. (2010) BclxL changes conformation upon binding to wild-type but not mutant p53 DNA binding domain. *J Biol Chem.* 285(5): 3439-50.

- Vaseva, A.,** Marchenko, N.D., Moll, U.M. (2009) The transcription-independent mitochondrial p53 program is a major contributor to nutlin-induced apoptosis in tumor cells. *Cell Cycle* 8(11): 1711-9.
- Zhang, C.,** Konopka, J.B., (2010) A photostable green fluorescent protein variant for analysis of protein localization in *Candida albicans*. *Eukaryot Cell* 9(1): 224-6.
- Zhao, H.L.,** Ueki, N., Marcelain, K., Hayman, M.J. (2009) The Ski protein can inhibit ligand induced RARalpha and HDAC3 degradation in the retinoic acid signaling pathway. *Biochem Biophys Res Commun.* 383(1): 119-24.

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

- Brzostek-Racine, S.,** Gordon, C., Van Scoy, S., and Reich, N.C. (2009) Interferon Signaling is Activated in Response to DNA Damage. *International Society for Interferon and Cytokine Research Joint Annual Meeting with Cytokine Society.* Lisbon, Portugal.
- Fagbemi, Adebanke.** (2009) XPG UBM Mutant Exhibits Delayed Damage Repair Phenotype In Vivo. *Gordon Research Conference - Nucleic Acids.* University of New England, Biddeford, ME.
- Fagbemi, Adebanke.** (2010) Multiple Domains for PCNA Interaction in XPG and their Effects on NER. *Structural Cell Biology of DNA Repair Machines.* Berkeley, CA.
- Gao, Yiwei,** Reich, N.C. (2009) SOCS3 Blocks Breast Tumor Kinase Activation of STAT3. *International Society for Interferon and Cytokine Research Joint Annual Meeting with Cytokine Society.* Lisbon, Portugal.
- Ge, L.,** Trujillo, G., Zhang, J. and Kew, R.R. (2010) Thrombospondin-1 Receptors Regulate Leukocyte Chemotactic Response to C5a/C5a des Arg. *XXIII International Complement Workshop.* New York, NY. *Molecular Immunology.* (abstract in press)
- Habel, D.M.,** Trujillo, G., Zhang, J. and Kew, R.R. (2010) Cofactor Amplification of C5a/C5a des Arg Chemotactic Activity in Physiological Fluids. *XXIII International Complement Workshop.* New York, NY. *Molecular Immunology.* (abstract in press)
- Jadali, A.,** and Ghazizadeh, S. (2010) Calcium-induced epidermal differentiation is a reversible process regulated by PKD. *Annual Meeting of the Society of Investigative Dermatology.* Atlanta, GA. *J. Investigative Dermatology* 130: S95. (abstract in press)
- Jahan, N.,** Mueller, S., Wimmer, E. (2009) A Host-specific, Temperature Sensitive Translation Defect Determines the Attenuation Phenotype of a Human Rhinovirus/Poliovirus Chimera PV1(RIPO2). *Microbial Pathogenesis & Host Response.* Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.
- Ramadass, M.,** and R.R. Kew. (2010) Complement Activation Induced Modification of the Vitamin D Binding Protein. *XXIII International Complement Workshop.* New York, NY. *Molecular Immunology.* (abstract in press)
- Sinha, R.,** Allemand, E., Zhang, Z., Karni, R., Krainer, A.R. (2010) Arginine Methylation Controls the Subcellular Localization and Functions of the Oncoprotein Splicing Factor SF2/ASF. *Fifteenth Annual Meeting of the RNA Society.* University of Washington, Seattle, WA. (poster)
- Sun, Shuying,** Zhang, Zuo, Sinha, Rahul, Karni, Rotem and Krainer, Adrian R. (2009) SF2/ASF autoregulation involves multiple mechanisms. *Eukaryotic mRNA Processing.* Cold Spring Harbor Laboratory, Cold Spring Harbor, NY. *Annual Meeting of the RNA Society.* Madison, WI. (poster)
- Titmus, M.A.,** Hatchwell E, Shroyer KR. (2010) Enrichment of HPV-integrated gDNA from FFPE tissue for next-generation sequencing. *International Papillomavirus Conference.* Montréal, QB.
- Prieto, V.,** Craddock, B.P., Miller, W.T. (2009) Cancer-associated mutations activate Ack1. *Meeting on Phosphorylation, Signaling & Disease.* Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.

Yang, Hui-Ju, and Aaron M. Neiman. (2009). GEF Activity of the *S. pombe* Meiotic Spindle Pole Body. *Meeting on Yeast Cell Biology*. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.

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

Jahan, Nusrat. (2009) Post-Doctoral Associate. Department of Molecular Genetics and Microbiology, *Stony Brook University*, Stony Brook, NY.

MOLECULAR GENETICS AND MICROBIOLOGY

GRADUATE DIRECTOR: JANET HEARING
DEPARTMENT CHAIR: JORGE BENACH

❖ Grants, Fellowships, And Awards

Shin, Ha Youn. (2009) Milstein Travel Award, \$250. *Society for Leukocyte Biology*, International Cytokine Society and International Society for Interferon and Cytokine Research, Lisbon, Portugal.

Zeituni, Amir. (2009) Ruth L. Kirschstein National Research Service Individual Predoctoral Fellowship (F31), \$83,952. *National Institute of Dental and Craniofacial Research*, Bethesda, MD.

❖ Jointly Authored Publications/Research Reports/Reviews

Noah, C.E., Malik, M., **Bublitz, D.C.**, Camenares, D., Sellati, T.J., Benach, J.L., and Furie, M.B. (2010) GroEL and lipopolysaccharide from *Francisella tularensis* live vaccine strain synergistically activate human macrophages. *Infection and Immunity* 78: 1797-1806.

Platz, G.J., **Bublitz, D.C.**, Mena, P., Benach, J.L., Furie, M.B., and Thanassi, D.G. (2010) A tolC mutant of *Francisella tularensis* is hypercytotoxic and elicits increased proinflammatory responses from host cells. *Infection and Immunity* 78: 1022-1031.

Mueller, S., **Coleman, J.R.**, and Wimmer, E. (2009) Putting synthesis into biology: a viral view of genetic engineering through de novo gene and genome synthesis. *Chemical Biology* 16: 337-347.

Czura, C.J., Schultz, A., Kaipel, M., Khadem, A., Huston, J.M., Pavlov, V.A., Redl, H., and Tracey, K.J. (In Press) Vagus nerve stimulation regulates hemostasis in swine. *Shock*.

Bombardelli, L., Carpenter, E.S., Wu, A.P., Alston, N., **Delgiorno, K.E.**, and Crawford, H.C. (In Press) Pancreas-specific ablation of $\beta 1$ integrin induces tissue degeneration by disrupting acinar cell polarity. *Gastroenterology*.

Feres, K.J., and Hayman, M.J. (2010) RON-expressing MCF-10A breast epithelial cells exhibit alterations of hyaluronan expression, promoting RON-mediated early adhesion events. *Biochemical and Biophysical Research Communications* 391: 1604-1609.

Quigley, B.R., **Hatkoff, M.**, Thanassi, D.G., Ouattara, M., Eichenbaum, Z. and Scott, J.R. (2010) A foreign protein incorporated on the tip of T3 pili in *Lactococcus lactis* elicits systemic and mucosal immunity. *Infection and Immunity* 78: 1294-1303.

Quigley, B.R., Zähler, D., **Hatkoff, M.**, Thanassi, D.G., and Scott, J.R. (2009) Linkage of T3 and Cpa pilins in the *Streptococcus pyogenes* M3 pilus. *Molecular Microbiology* 72: 1379-1394.

Li, Q., Ng, T.W., Dodson, K.W., Shu Kin So, S., Bayle, K.M., Pinkner, J.S., Scarlata, S., Hultgren, S.J., and Thanassi, D.G. (In Press) The differential ability of the usher for chaperone-subunit complexes is required for assembly of complete pili. *Molecular Microbiology*.

Lucs, A.V., Muller, W.J., and Muthuswamy, S.K. (2010) Shc is required for ErbB2-induced inhibition of apoptosis but is dispensable for cell proliferation and disruption of cell polarity. *Oncogene* 29: 174-187.

Mulligan, E.A., Hatchwell, E., McCorkle, S.R., and Dunn, J.J. (2010) Differential binding of *Escherichia coli* McrA protein to DNA sequences that contain the dinucleotide m5CpG. *Nucleic Acids Research* 38: 1997-2005.

- Navin, N.**, and Hicks, J. (In Press) Tracing the tumor lineage. *Molecular Oncology*.
- Navin, N.**, Krasnitz, A., Rodgers, L., Cook, K., Meth, J., Kendall, J., Riggs, M., Eberling, Y., Troge, J., Grubor, V., Levy, D., Lundin, P., Månér, S., Zetterberg, Z., Hicks, J., and Wigler, M. (2010) Inferring tumor progression from genomic heterogeneity. *Genome Research* 20: 68-80.
- Li, Q.**, Ng, Tony W., Dodson, K.W., Shu Kin So, S., Bayle, K.M., Pinkner, J.S., Scarlata, S., Hultgren, S.J., and Thanassi, D.G. (In Press) The differential ability of the usher for chaperone-subunit complexes is required for assembly of complete pili. *Molecular Microbiology*.
- Li, Q., Ng, T.W.,** Dodson, K.W., Shu Kin So, S., Bayle, K.M., Pinkner, J.S., Scarlata, S., Hultgren, S.J., and Thanassi, D.G. (In Press) The differential ability of the usher for chaperone-subunit complexes is required for assembly of complete pili. *Molecular Microbiology*.
- Noel, B.L., **Lilo, S.**, Capurso, D., Hill, J., and Bliska, J. (2009) Yersinia pestis can bypass protective antibodies to LcrV and activation with IFN γ to survive and induce apoptosis in murine macrophages. *Clinical Vaccine and Immunology* 16: 1457-1467.
- Noel, B.L.,** Lilo, S., Capurso, D., Hill, J., and Bliska, J. (2009) Yersinia pestis can bypass protective antibodies to LcrV and activation with IFN γ to survive and induce apoptosis in murine macrophages. *Clinical Vaccine and Immunology* 16: 1457-1467.
- Di Talia, S., Wang, H., Skotheim, J.M., **Rosebrock, A.P.**, Futcher, B., and Cross, F.R. (2009) Daughter-specific transcription factors regulate cell size control in budding yeast. *PLoS Biology* 7: e1000221.
- Li, Q., Ng, T. W.,** Dodson, K.W., **Shu Kin So, S.**, Bayle, K.M., Pinkner, J.S., Scarlata, S., Hultgren, S.J., and Thanassi, D.G. (In Press) The differential ability of the usher for chaperone-subunit complexes is required for assembly of complete pili. *Molecular Microbiology*.
- Zeituni, A.E.,** Jotwani, R., Carrion, J., and Cutler, C.W. (2009) Targeting of DC-SIGN on human dendritic cells by minor fimbriated Porphyromonas gingivalis strains elicits a distinct effector T cell response. *Journal of Immunology* 183: 5694-5704.

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

- Bublitz, DeAnna,** Benach, J., and Furie, M. (2009) Francisella tularensis Suppresses the Proinflammatory Response of Endothelial Cells via the Endothelial Protein C Receptor. *International Tularemia Conference*. Berlin, Germany.
- Kullas, Amy L.,** McClelland, M., Andrews-Polymenis, H.L. and van der Velden, A.W.M. (2009) Inhibition of T Cells by Salmonella enterica serovar Typhimurium. *Third American Society for Microbiology Conference on Salmonella: Biology, Pathogenesis, and Prevention*. Aix-en-Provence, France.
- Zheng, Y., **Lilo, Sarit,** Brodsky, I., and Bliska, J. (2009) An Isoform of the YopJ in Yersinia pestis Stimulates Inflammatory Apoptosis in Macrophages Through a Process that Involves Inhibition of IKK β and Activation of an ASC/NALP3/Caspase-1 Inflammasome. *Gordon Research Conference for Microbial Adhesion and Signal Transduction*. Newport, RI.
- Navin, Nicholas,** Kendall, J., Cook, K., Troge, J., Stepansky, A., Esposito, D., Hicks, J., and Wigler, M. (2010) Tumor Progression Revealed by Sequencing 100 Single Cells in a Heterogeneous Breast Carcinoma. *James Watson Symposium on Cancer*. Suzhou, China.
- Navin, Nicholas,** Krasnitz, A., Rodgers, L., Cook, K., Meth, J., Kendall, J., Riggs, M., Eberling, Y., Troge, J., Grubor, V., Levy, D., Lundin, P., Månér, S., Zetterberg, A., Hicks, J., and Wigler, M. (2009) Inferences of Tumor Progression from Genomic Subpopulations. *Genome Informatics*. Cold Spring Harbor, NY.

Molecular Genetics and Microbiology

- Navin, Nicholas**, Rodgers, L., Cook, K., Meth, J., Kendall, J., Riggs, M., Eberling, Y., Troge, J., Grubor, V., Levy, D., Lundin, P., Maner, S., Zetterberg, A., Hicks, J., and Wigler, M. (2009) Multiple Genomic Subpopulations in Solid Breast Tumors. *AARC Advances in Breast Cancer Research Conference*. San Diego, CA.
- Shin, Ha Youn**, Iyer, J., and Reich, N. (2009) STAT5a Nuclear Trafficking. *Tri-Society Annual Conference: Society for Leukocyte Biology, International Cytokine Society, and International Society for Interferon and Cytokine Research*. Lisbon, Portugal.
- Zeituni, Amir E.**, Jotwani, R., and Cutler, C.W. (2009) Role for DC-SIGN (CD209), Minor Fimbriae in Entry of Oral Pathogen Porphyromonas gingivalis into Human Dendritic Cells (DC), Leading to Immunosuppressive DC Phenotype. *109th General Meeting of the American Society for Microbiology*. Philadelphia, PA.
- Zeituni, Amir E.**, McCaig, W., Scisci, E., Carrion, J.A., Thanassi, D.G., and Cutler, C.W. (2010) Native 67 kDa Minor Fimbriae of Porphyromonas gingivalis is a novel glycoprotein with DS-SIGN-Targeting Motifs. *National Institute of Dental and Craniofacial Research Trainee Day*. Bethesda, MD.
- Zheng, Ying**, Lilo, S., Brodsky, I., and Bliska, J. (2009) An Isoform of the YopJ in Yersinia pestis Stimulates Inflammatory Apoptosis in Macrophages Through a Process that Involves Inhibition of IKKb and Activation of an ASC/NALP3/Caspase-1 Inflammasome. *Gordon Research Conference for Microbial Adhesion and Signal Transduction*. Newport, RI.

❖ Post-Doctorates Obtained and Professional Appointments

- Czura, Christopher**. (2009) Vice President of Scientific Affairs. *The Feinstein Institute for Medical Research*, Manhasset, NY.
- Feres, Kimberly**. (2009) Instructor. *Community College of Denver*, Denver, CO.
- Karen, Kasey**. (2009) Postdoctoral fellow. Department of Oncology, *Johns Hopkins University School of Medicine*, Baltimore, MD.
- LaRocca, Timothy**. (2009) Postdoctoral fellow. Department of Molecular Genetics and Microbiology, *Stony Brook University*, Stony Brook, NY.
- Lilo, Sarit**. (2009) Postdoctoral fellow. Department of Microbiology, *New York University Medical Center*, New York, NY.
- Lucs, Alexandra**. (2009) Postdoctoral fellow. Laboratory of Papillomavirus Research, *The Feinstein Institute for Medical Research*, Manhasset, NY.
- Mulligan, Elizabeth**. (2009) Postdoctoral fellow. Medical Department, *Brookhaven National Laboratory*, Upton, NY.
- Noel, Betty**. (2009) Biology Teacher. *Marymount School*, New York, NY.
- Rosebrock, Adam**. (2009) Postdoctoral fellow. *Cold Spring Harbor Laboratory*, Cold Spring Harbor, NY..

MUSIC

GRADUATE DIRECTOR: PERRY GOLDSTEIN
DEPARTMENT CHAIR: JUDITH LOCHHEAD

❖ Grants, Fellowships, and Awards

- Ageyeva Hess, Julia.** (2010) Harpsichord, Finalist Diploma. *The First International Volkonsky Harpsichord Competition*. Moscow, Russia.
- Augustyn, Kinga.** (2009) Violin, First Prize. *Alexander and Buono International String Competition*. New York, NY.
- Augustyn, Kinga.** (2010) Violin, Artist of the Month. *ABC Gala*. New York, NY.
- Blake, David.** (2010) Outstanding Graduate Student Paper Prize, \$350. *International Association for the Study of Popular Music-United States Chapter*, New Orleans, LA.
- Daline, Matthew.** (2009) Viola, 2009 Louisiana State University Teaching Excellence Award. *Louisiana State University School of Music*. Baton Rouge, LA.
- Han, Yoonjung.** (2009) Piano. First Prize, \$10,000. *Gawon International Music Society Competition*, Seoul, South Korea.
- Hartford, Cassandra.** (2009) Honorable Mention, American Musicological Society of Greater New York Competition for Best Graduate Student Paper. *American Musicological Society of Greater New York*, New York, NY.
- Munoz, Isai.** (2010) Tinker Field Research Grant, \$1,917. *Latin American and Caribbean Studies Center*, Stony Brook University, Stony Brook, NY.
- Tochka, Nicholas.** (2009) Dissertation Research Fellowship in East European Studies, \$18,000. *American Council of Learned Societies*. Tirana, Albania.
- Vollrath, Faythe.** (2010) Harpsichord, Bechtel Scholarship Award. *Midwestern Historical Keyboard Society*, Iowa City, IA.

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

- Blake, David.** (2010) Indie Politics, Childhood, and Whiteness: The Decemberists' 'Sixteen Military Wives'. *International Association for the Study of Popular Music, United States Chapter*. Loyola University, New Orleans, LA.
- Cencer, Bethany.** (2009) The Rhetorical Function of Cadences in Lassus' Penitential Psalm V. *American Musicological Society Greater New York Chapter Words and Music Conference*. Stony Brook University Manhattan Center, New York, NY.
- Cencer, Bethany.** (2010) Performing Pietism: Kuhnau's Biblical Sonatas. *McGill Music Graduate Symposium*. Schulich School of Music, McGill University, Montreal, QB. *Joint Annual Meeting of the Midwestern Historical Keyboard Society and the Southeastern Historical Keyboard Society*. Beloit College, Beloit, WI.
- Hartford, Cassandra.** (2009) From 'O Boi no Telhado' to *Le boeuf sur le toit*: Milhaud and the Discourse of Latinness. *American Musicological Society Spring Meeting*. New York, NY.
- Ho, Jocelyn.** (2009) Composer-Pianist. From 2D to 3D: Using Mathematics to Conceptualise Musical Structure as Three-Dimensional Geometrical Objects. *Colloquium-Recital*. University of Minnesota, Minneapolis, MN.

Music

Tochka, Nicholas. (2010) Interpreting 'Light Music': Intellectuals, Musical Knowledge, and Power in 1960s Albania. *British Forum for Ethnomusicology Annual Conference*. St. John's College, Oxford, UK.

Tochka, Nicholas. (2010) Was Socialism a 'Completely Abnormal' Music Laboratory?: Discourses on the Past and the Post-1991 Capitalist Organization of Albanian Popular Music. *2nd International Doctoral Workshop: Ethnomusicological Research Today*. The University for Music and Drama, Hanover, Germany.

❖ Post-Doctorates Obtained and Professional Appointments

Augustyn, Kinga. (2010) Violin. *Alexander and Buono International, Inc. Artist Management Company*. New York, NY.

Cencer, Bethany. (2010) Student Representative. American Musicological Society Greater New York Chapter, *New York University Silver Center*, New York, NY.

Daline, Matthew. (2010) Assistant Professor of Viola. *Louisiana State University School of Music*, Baton Rouge, LA.

Eggener, Tristan. (2010) Tuba. *Synergy Brass Quintet*. Oklahoma City, OK.

Holland, Katherine. (2009) Instructor of Bassoon. Townsend School of Music, *Mercer University*, Macon, GA.

Holland, Katherine. (2009) Instructor of Bassoon. Department of Music, *Georgia College & State University*, Milledgeville, GA.

Hsiao, Angel. (2010) Flute. Concert Management, *Astral Artists*, Philadelphia, PA.

Liu, Kai-Wen. (2010) Cello. *National Taiwan Symphony Orchestra*, Taipei, Taiwan.

❖ Exhibitions/Performances

Augustyn, Kinga. (2009) Violin. Violin and Piano Recital, *Polish Consulate of New York*. New York, NY.

Augustyn, Kinga. (2009) Violin. Violin and Piano Recital, *Kosciuszko Foundation House*. (Program included a world premiere of Michael White's *Sonata for Violin and Piano* (2009), written for Kinga Augustyn). New York, NY.

Augustyn, Kinga. (2009) Violin. Alexander and Buono International String Competition, *Carnegie Hall's Weill Recital Hall*. New York, NY.

Augustyn, Kinga. (2009) Violin. Syzygy New Music Collective, *St. Anthony of Padua Church*. New York, NY.

Augustyn, Kinga. (2009) Violin. Recital for the Kosciuszko Foundation, Philadelphia Chapter, *The Villanova Conference Center*. Radnor, PA.

Augustyn, Kinga. (2010) Violin. Historical Performance Violin and Harpsichord Recital, *St. Mark's Early Music Concert Series*. Islip, NY.

Augustyn, Kinga. (2010) Violin. Live performance and interview on program *The Cultural Conversation*, *Maine Public Broadcasting Network*. Bangor, ME.

Augustyn, Kinga. (2010) Violin. Solo Violin Recital, *Jewett Hall, University of Maine at Augusta*. Augusta, ME.

Augustyn, Kinga. (2010) Violinist. Solo appearance with the Augusta Symphony Orchestra, *Hope Baptist Church*. Manchester, ME.

- Augustyn, Kinga.** (2010) Violin. Solo Violin Recital at the Given Auditorium, *Colby College*. Waterville, ME.
- Bang, Youn Hee.** (2010) Piano. Alicia de Larrocha Tribute Concert, *Wang Center*. Fullerton, CA.
- Cencer, Bethany.** (2010) Harpsichord. *The Boston Early Music Festival and Exhibition*. Boston, MA.
- Duykers, Max.** (2009) Composer. *Little Bird* for flute, bassoon, vibraphone and piano, commissioned by Rachel Beetz (flute) and Dustin Donohue (percussion). *World Premiere, University of Madison-Wisconsin*. Madison, WI.
- Duykers, Max.** (2009) Composer. Glances for bass clarinet, vibraphone, and piano, commissioned by Philip Everall (clarinet), *World Premiere at Manhattan School of Music*. New York, NY.
- Duykers, Max.** (2009) Composer. Light (dance score) for electronics, commissioned by the Brookhaven National Laboratory for their *NSLS II Start-of-Construction Celebration*. Brookhaven, NY.
- Gotoh, Mario.** (2009) Violin. Concert by Masters, *Palace Het Loo*. Apeldoorn, The Netherlands.
- Gotoh, Mario.** (2009) Violin/Viola. Chamber Music Concert, *Orpheus Concert Hall*. Apeldoorn, The Netherlands.
- Gotoh, Mario.** (2009) Baroque Violin. Dido & Aeneas, Boston Early Music Festival, *Old South Church*, Boston, MA. *West End Theater*. New York City, NY. *Bayard Cutting Arboretum*. Great River, NY.
- Han, YoonJung.** (2010) Piano. Recital Debut, (part of Gold Medal Prize in 2008 World Piano Competition in Cincinnati, Ohio), *Alice Tully Hall, Lincoln Center*. New York, NY.
- Han, YoonJung.** (2010) Piano. Debut Recital, *Sejong Concert Hall*. Sejong, Korea.
- Harboyan, Patil.** (2010) Piano. Montgomery Symphony Orchestra Fellowship Series, *Montgomery Museum of Fine Arts*. Montgomery, AL.
- Harboyan, Patil.** (2010) Piano. Arts et Spectacles de Laval. Série Jeunes Artistes, *Maison des arts de Laval*. Laval, QB.
- Holland, Katherine.** (2009) Bassoon. Humes, Lunte, and Friends Faculty Chamber Recital, *University of Louisiana-Monroe's Biedenharn Recital Hall*. Monroe, LA.
- DiIanni, Dante Lorenzo.** (2010) Piano. Oxford Lieder Festival, *Oxford University*. Oxford, UK.
- Holland, Katherine.** (2009) Bassoon. Faculty Bassoon Recital Guest Artist, *Wattenbarger Auditorium*. Cookeville, TN.
- Kim, Ryu-Kyung.** (2009) Alto Soloist. "Messiah," National Chorale, Avery Fisher Hall, *Lincoln Center*. New York City, NY.
- Kim, Ryu-Kyung.** (2009) Alto Soloist. "Naomi, Ruth," by Philip Hageman, New York Premiere, Metro Chamber Orchestra, *Christ and St. Stephen's Episcopal Church*. New York City, NY.
- Kim, Wonjung.** (2010) Soprano. Morning Concert, *Sung San Arts Hall*. Chang Won, KyungSang Nam-Do, Korea.
- Kim, Wonjung.** (2010) Soprano. Recital of Music by Mozart and Bernstein, *Gyungki Cultural Center*. Suwon, Gyung Ki-Do, Korea. *Nowon Arts Center*. Seoul, Korea. *Pakwoon Arts Hall*. Wonju, Kang Won-Do, Korea.
- Kim, Wonjung.** (2009) Soprano. Lottederia 35th Anniversary Concert, *Charlotte Theater*. Seoul, Korea.
- Loucks, Kevin.** (2009) Piano. Candás International Piano Festival, *Iglesia de San Félix*. Candás, Spain.
- Loucks, Kevin.** (2009) Piano. *Montreal Chamber Music Festival Benefit Recital*. Montréal, QB.

Music

- Loucks, Kevin.** (2009) Piano. Chamber Music Recital, *Dweck Center for Contemporary Culture at the Brooklyn Public Library*. Brooklyn, NY.
- Loucks, Kevin.** (2010) Piano. Residency at the Montreal Chamber Music Festival; Chamber Music Performances with Simon Aldrich, Rachel Barton Pine, Denis Brott, Serge Desgagnés, David Jalbert, Iryna Krechkovsky, Stephen Prutsman, Jocelyne Roy, James VanDemark, members of the Afiara Quartet, and the Claudel-Canimex Quartet, *St. James United Church*. Montréal, QB.
- Munoz, Isai.** (2009) Tenor. Alvin Ailey Dance Company's production, *Revelations*, *New York City Center*. New York, NY.
- Nahm, Kiwon.** (2009) Violin. Performed with Dave Brubeck and Joan Carlos Martins, Avery Fisher Hall, *Lincoln Center*. New York, NY.
- Nahm, Kiwon.** (2009) Violin. Recital with Naoko Tanaka, Conference for Supreme Court Justices from Around the World, *Yale University*. New Haven, CT.
- Salathé, Phil.** (2009) Composer. World Premiere of "The Cold And Sparkling Silver Of The Sea" for mezzo-soprano and marimba, Percussionist Benjamin Fraley and mezzo-soprano Kate Tombaugh, Robert Werner Recital Hall, College-Conservatory of Music, *University of Cincinnati*. Cincinnati, OH.
- Salathé, Phil.** (2010) Composer. "Ajándék" for violoncello and percussion, The Uncanny Valley cello-percussion Duo (Katie Kennedy, cello; Bill Solomon, percussion), *Capitol Community College*. Hartford, Connecticut. *The Gunnery School*. Washington, CT.
- Salathé, Phil.** (2010) Composer, "The Wood Between The Worlds" for mixed quartet (oboe, English horn, violoncello, piano), The Sylvanus Quartet, *Kangshan Presbyterian Church*. Kangshan, Taiwan. *Music Forum*. Taipei, Taiwan. *Ke Yong Lee Memorial Library*. Luodong, Taiwan.
- Sartori, Enrico.** (2009) Flute. Debut Recital, *Carnegie Hall's Weill Recital Hall*. New York City, NY.
- Sartori, Enrico.** (2010) Flute. Concerts and recordings as Assistant Principal Flute with the *BBC National Orchestra*. Cardiff, England.
- Trainer, Alison.** (2009) Soprano. Performed the role of Fiakermili in Richard Strauss's "Arabella," *Opera St. Gallen*. St. Gallen, Switzerland.
- Trainer, Alison.** (2009) Soprano soloist. Carl Orff's "Carmina Burana," *San Antonio Symphony*. San Antonio, TX. Pennsylvania Symphony & Ballet, *Academy of Music*. Philadelphia, PA.
- Trainer, Alison.** (2009) Soprano. Solo Recital, *Trinity Church on Wall Street Concert Series*. New York, NY.

❖ CD Releases

- Capp, Tyler.** (2010) Composer. "Stranger Variations." *Stony Brook Soundings, Volume 2*. Claudia Schaer, violin. Bridge Records.
- Daline, Matthew.** (2010) Viola. "Quartet for Strings and Bassoon." *Music of Gordon Jacob*. Mark Masters label.
- Duykers, Max.** (2010) Composer. "Glass Blue Cleft." *Stony Brook Soundings, Volume 1*. The Escher String Quartet. Bridge Records.
- Kaila, Ilari.** (2010) Composer. "Kellojen Kumarrus." *Stony Brook Soundings, Volume 1*. Jacob Rhodebeck, piano; The Escher String Quartet. Bridge Records.
- Munoz, Isai.** (2009) Tenor. "Voices of Ascension." *Song of the Star*. Grammy Award Nominee. New York, NY. Naxos Recording Company. New York, NY.
- Nahm, Kiwon.** (2010) Violin. *Chamber Orchestra of New York*. Naxos Records.

Rhodebeck, Jacob. (2010) Piano. "Kellojen Kumarrus." *Stony Brook Soundings, Volume 1*. Bridge Records.

Schaer, Claudia. (2010) Violin. "Stranger Variations." *Stony Brook Soundings, Volume 2*. Claudia Schaer, violin. Bridge Records.

NEUROSCIENCE

GRADUATE DIRECTOR: LONNIE WOLLMUTH
DEPARTMENT CHAIR: LORNA ROLE

❖ Grants, Fellowships, and Awards

Fu, Yu. (2010) Sigma Xi Travel Award, \$150. *Sigma Xi*, Stony Brook, NY.

Rodriguez, Justin. (2010-2013) NIH Ruth L. Kirschstein National Research Service (NRSA) Predoctoral Fellowship, \$29,703. *National Institute of Neurological Disorders and Stroke (NINDS)*, Bethesda, MD.

Talukder, Iehab. (2009-2011) Pre-doctoral Fellowship, \$21,000/year for two years. *American Heart Association*, Dallas, TX.

Zanazzi, George. (2010) Individual Predoctoral National Research Service Award, \$28,040/yr. *NINDS*, Bethesda, MD.

Zanazzi, George. (2009) Kevin King/John Miller Travel Scholarship Award, \$300. Department of Biochemistry and Cell Biology, *Stony Brook University*, Stony Brook, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

Aubele, Teresa M. and Kritzer, M.F. (In Press) Gonadectomy and hormone replacement affects *in vivo* basal extracellular dopamine levels in the prefrontal cortex but not motor cortex of adult male rats. *Cerebral Cortex*.

Gates, Keith P., Mentzer, L., Karlstrom, R.O., Sirotkin, H.I. (2010) The transcriptional repressor REST/NRSF modulates hedgehog signaling. *Dev Biol* 340(2): 293-305. PMID: 20122919

Robak, L.A., Venkatesh, K., Lee, H., Raiker, S.J., Duan, Y., **Lee-Osbourne, Jane**, Hofer, T., Mage, R.G., Rader, C., Giger, R.J. (2009) Molecular basis of the interactions of the Nogo-66 receptor and its homolog NgR2 with myelin-associated glycoprotein: development of NgROMNI-Fc, a novel antagonist of CNS myelin inhibition. *J Neurosci.* 29(18): 5768-83.

LoGiudice, Lismarie, and Matthews, G. (2009) The Role of Ribbons at Sensory Synapses. *Neuroscientist* 15(4): 380-91.

Schecterson, L.C., Hudson, M.P., Ko, M., **Philippidou, Polyxeni,** Akmentin, W., Wiley, J., Rosenblum, E., Chao, M.V., Haleboua, S., Bothwell, M. (2010) Trk activation in the secretory pathway promotes Golgi fragmentation. *Mol Cell Neurosci.* 43(4): 403-13.

Prieto, Martin and Wollmuth, L.P. (2010) Gating modes in AMPA receptors. *Journal of Neuroscience* 30: 4449-4459.

Shanthanelson, Monicca, Arvanian, V.L. and Mendell, L.M. (2009) Input- specific plasticity of NMDA-receptor mediated synaptic responses in neonatal rat motoneurons. *Eur. J. Neurosci.* 29(11): 2125-36.

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

Aubele, Teresa M. (2009) Comprehensive mapping of intracellular androgen receptor immunoreactivity among neurons projecting to the ventral tegmental area. *Society for Neuroscience Annual Meeting*. Washington, D.C.

- Fu, Yu,** Huang, Z.J. (2010) Presynaptic GABAB receptor signaling regulates activity-dependent development of inhibitory axon terminals. *Gordon Conference of Molecular & Cellular Neuroscience*. Hong Kong.
- Zhao, R., Nakamura, T., **Fu, Yu,** Abhishek, C., Tansey, B., Spector, D.L. (2010) Comparative Visualization of Transcriptional Induction in Interphase and Post-Mitotic Cells. *Imaging Transcription in Living Cells: A Systems and Computational Approach, HHMI*. Janelia Farm, VA.
- Fu, Yu,** Huang, J. (2009). GABA and neurexin signaling in activity-dependent development of inhibitory synapse and circuits. *Frontiers in Cellular Neuroscience. INMED Satellite Conference of SFN - Neuroscience 2009: Multiple Facets of GABA in Brain Development*. Chicago, IL.
- Yan, Q.,** Rosati, B., McKinnon, D. (2009) Structural and Regulatory Evolution of Electrophysiological Systems. *RECOMB Regulatory Genomics 2009*. Boston, MA.
- Rosati, B., **Yan, Q.,** Lee, M., Mallik, S., Liou, S.R., Foell, J., Kamp, T., McKinnon, D. (2009) Compensatory Responses to Heterozygous Conditional Knockout of the Cav1.2 Gene in Mouse Heart. *American Heart Association Scientific Sessions 2009*. Orlando, FL.
- Rosati, B., **Yan, Q.,** Liou, S.R., McKinnon, D. (2009) Evolution of Electrophysiological Systems. *74th Symposium: Evolution - The Molecular Landscape*. Cold Spring Harbor Lab, Cold Spring Harbor, NY.

PHARMACOLOGICAL SCIENCES

GRADUATE DIRECTOR: STYLIANI-ANNA (STELLA) E. TSIRKA

DEPARTMENT CHAIR: MICHAEL A. FROHMAN

❖ Grants, Fellowships, and Awards

- Ardito, Christine.** (2009) Kevin C. King and John A. Miller Memorial Travel Award, \$500. Department of Biochemistry and Cell Biology, *Stony Brook University*, Stony Brook, NY.
- Ardito, Christine.** (2009) Best Student Poster Award at the Gordon Research Conference on Matrix Metalloproteinases, \$250. *Gordon Research Conferences*, West Kingston, RI.
- Hall, Jason.** (2009-2011) Louis Stokes Alliances for Minority Participation (LSAMP) Fellowship, \$90,000. *The National Science Foundation*, Arlington, VA.
- Leiton, Cindy V.** (2009-2012) Graduate Research Fellowship, \$30,000. *National Science Foundation*, Arlington, VA.
- Love, Damon.** (2009) Brady William Russell Award, \$25,000. *Stony Brook University Medical Center*, Stony Brook, NY.
- Nguyen, Tom.** (2009) van der Kloot Award for excellence in research, \$500. Molecular and Cellular Pharmacology Graduate Program, *Stony Brook University*, Stony Brook, NY.
- Orelli, Barbara.** (2009) Student Travel Award for ASM Conferences, \$400. *Third American Society for Microbiology Conference on DNA Repair and Mutagenesis*, Whistler, BC.
- Torres, Luisa.** (2009-2011) Louis Stokes Alliances for Minority Participation (LSAMP) Fellowship, \$90,000. *The National Science Foundation*, Arlington, VA.
- Tzvetanova, Iva.** (2009) Young Investigator Educational Enhancement (YIEE) Travel Grant from the American Society for Neurochemistry, \$500. *American Society for Neurochemistry*, Windermere, FL.
- Tzvetanova, Iva.** (2009) Kevin C. King and John A. Miller Memorial Travel Award, \$500. Department of Biochemistry and Cell Biology, *Stony Brook University*, Stony Brook, NY.
- Tzvetanova, Iva.** (2009) David L. Williams Memorial Travel Award, \$1,000. Department of Pharmacological Sciences, *Stony Brook University*, Stony Brook, NY.
- Yao, Yao.** (2010) Sigma Xi Travel Award, \$150. *Sigma Xi, The Scientific Research Society*, Research Triangle Park, NC.
- Yao, Yao.** (2010) Gordon Research Conference Travel Award, \$500. *Gordon Research Conference: Chemotactic Cytokines*, Lucca (Barga), Italy.
- Yeku, Oladapo.** (2009) van der Kloot Award for excellence in research, \$500. Molecular and Cellular Pharmacology Graduate Program, *Stony Brook University*, Stony Brook, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

- Ardito, Christine M.,** Briggs, C.D., Crawford, H.C. (2008) Targeting of extracellular proteases required for the progression of pancreatic cancer. *Expert Opinion on Therapeutic Targets* 12(5): 605-19.
- Wu, J., **Bonsra, Akua N.,** Du, G. (2009) pSM155 and pSM30 vectors for miRNA and shRNA expression. *Methods Mol Biol.* 487: 205-19.

- Hambardjjeva, Elena, **Derkunt, S. Burak**, Yakubovskaya, E., Mejia, E. and Garcia-Diaz, M. (2010) Bypass of 8-oxo-G by DNA polymerase lamda. *FASEB J. 24*: 1b50.
- Emmetsberger, Jaime**, Mirrione, Martine M., Zhou, C., Siddiq, M., Fernandez-Monreal, M., Tsirka, S.E. (In Press) Tissue Plasminogen Activator alters intracellular sequestration of zinc through interaction with the transporter ZIP4. *J. Neurosci.*
- Galvin, J., **Eyermann, Christopher**, Colognato, H. (In Press) Dystroglycan modulates insulin-like growth factor signaling to promote oligodendrocyte differentiation. *J. Neurosci. Res.*
- Li, F.Q., Mofunanya, A., **Fischer, Victoria**, Hall, Jason, Takemaru, K. (2010) Nuclear-cyto-plasmic shuttling of Chibby controls beta-catenin signaling. *Mol. Biol. Cell. 21(2)*: 311-22.
- Mirrione, Martine M., Konomos, D.K., **Gravanis, Iordanis**, Dewey, S.L., Aguzzi, A., Heppner, F.L., Tsirka, S.E. (2010) Microglial ablation and lipopolysaccharide preconditioning affects pilocarpine-induced seizures in mice. *Neurobiol Dis.* doi: 10.1016/j.nbd.2010.04.001
- Pothakos, K., Robinson, J.K., **Gravanis, Iordanis**, Marsteller, Douglas A., Dewey, S.L., Tsirka, S.E. (2010) Decreased serotonin levels associated with behavioral disinhibition in tissue plasminogen activator deficient (tPA^{-/-}) mice. *Brain Res. 1326*: 135-42.
- Li, F.Q., Mofunanya, A., Fischer, Victoria, **Hall, Jason**, Takemaru, K. (2010) Nuclear-cyto-plasmic shuttling of Chibby controls beta-catenin signaling. *Mol. Biol. Cell. 21(2)*: 311-22.
- Hambardjjeva, Elena**, Derkunt, S. Burak, Yakubovskaya, E., Mejia, E. and Garcia-Diaz, M. (2010) Bypass of 8-oxo-G by DNA polymerase lamda. *FASEB J. 24*: 1b50.
- Knipscheer, P., Räschle, M., Smogorzewska, A., Enoiu, M., **Ho, The Vinh**, Schärer, O.D., Elledge, S.J., Walter, J.C. (2009) The Fanconi Anemia Pathway Promotes Replication-Dependent DNA Interstrand Cross-Link Repair. *Science* 326: 1698-1701.
- Ho, The Vinh** and Schärer, O.D. (2010) Translesion DNA Synthesis Polymerases in DNA Interstrand Crosslink Repair. *Environ. Mol. Mutagen.* doi 10.1002/em.20573
- Huang, Huang**, Frohman, M.A. (2009) Lipid signaling on the mitochondrial surface. *Biochim Biophys Acta. 1791(9)*: 839-44.
- Osisami, M., **Huang, H.**, Frohman, M.A. (2009) Monitoring insulin-stimulated production of signaling lipids at the plasma membrane. *Methods Mol. Biol. 590*: 61-70.
- Kuo, E., Park, D.K., Tzvetanova, Iva D., **Leiton, Cindy V.**, Cho, B.S., Colognato, H. (2010) Tyrosine Phosphatases Shp1 and Shp2 Have Unique and Opposing Roles in Oligodendrocyte Development. *J. Neurochem. 113*: 200-212 .
- Pothakos, K., Robinson, J.K., Gravanis, Iordanis, **Marsteller, Douglas A.**, Dewey, S.L., Tsirka, S.E. (2010) Decreased serotonin levels associated with behavioral disinhibition in tissue plasminogen activator deficient (tPA^{-/-}) mice. *Brain Res. 1326*: 135-42.
- McCann, James J.**, Choi, U.B., Zheng, L., Weninger, K., Bowen, M.E. (In Press) Optimizing Methods to Recover Absolute FRET Efficiency from Immobilized Single Molecules. *Biophysical Journal.*
- Emmetsberger, Jaime, **Mirrione, Martine M.**, Zhou, C., Siddiq, M., Fernandez-Monreal, M., Tsirka, S.E. (In Press) Tissue Plasminogen Activator alters intracellular sequestration of zinc through interaction with the transporter ZIP4. *J. Neurosci.*
- Mirrione, Martine M.**, Konomos, D.K., Gravanis, Iordanis, Dewey, S.L., Aguzzi, A., Heppner, F.L., Tsirka, S.E. (2010) Microglial ablation and lipopolysaccharide preconditioning affects pilocarpine-induced seizures in mice. *Neurobiol Dis.* doi: 10.1016/j.nbd.2010.04.001
- Barros, C.S., **Nguyen, Tom**, Spencer, K.S., Nishiyama, A., Colognato, H., Müller, U. (2009) Beta1 integrins are required for normal CNS myelination and promote AKT-dependent myelin outgrowth. *Development* 136(16): 2717-24.

- Orelli, Barbara**, McClendon, T.B., Tsodikov, O.V., Ellenberger, T., Niedernhofer, L.J., Schärer, O.D. (2010) The XPA-binding domain of ERCC1 is required for nucleotide excision repair but not other DNA repair pathways. *J. Biol. Chem.* 285(6): 3705-12.
- Scotto-Lavino, Elizabeth**, Garcia-Diaz, M., Du, G., Frohman, M.A. (2010) Basis for the isoform-specific interaction of myosin phosphatase subunits protein phosphatase 1c beta and myosin phosphatase targeting subunit 1. *J. Biol. Chem.* 285(9): 6419-24.
- Song, Yan**, Washington, M.K., Crawford, H.C. (2010) Loss of FOXA1/2 is essential for the epithelial-to-mesenchymal transition in pancreatic cancer. *Cancer Res.* 70(5): 2115-25.
- Relucio, J., **Tzvetanova, Iva D.**, Ao, W., Colognato, H. (2009) Laminin Alters Fyn Regulatory Mechanisms and Promotes Oligodendrocyte Development. *J. Neurosci.*, 29(38): 11794-806.
- Kuo, E., Park, D.K., **Tzvetanova, Iva D.**, Leiton, Cindy V., Cho, B.S., Colognato, H. (2010) Tyrosine Phosphatases Shp1 and Shp2 Have Unique and Opposing Roles in Oligodendrocyte Development. *J. Neurochem.* 113: 200-212 .
- Nishikimi, A., Fukuhara, H., **Su, Wenjuan**, Hongu, T., Takasuga, S., Mihara, H., Cao, Q., Sanematsu, F., Kanai, M., Hasegawa, H., Tanaka, Y., Shibasaki, M., Kanaho, Y., Sasaki, T., Frohman, M.A., Fukui, Y. (2009) Sequential regulation of DOCK2 dynamics by two phospholipids during neutrophil chemotaxis. *Science* 324(5925): 384-7.

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

- Yakubovskaya, E., Mejia, E., Byrnes, J., **Hambardjjeva, Elena**, Garcia-Diaz, M. (2010) A unique DNA binding mode enables human mterf1 to modulate transcription. *2010 ASBMB Annual Meeting*. Anaheim, CA.
- Leiton, Cindy V.** (2009) Team Project Judge. Regional Leadership Development Conference. *Society of Hispanic Professional Engineers (SHPE)*. Charlottesville, VA.
- Leiton, Cindy V.** (2009) Research Methods Instructor, Summer Research Institute. *Alliance for Graduate Education and the Professoriate*. Stony Brook, NY.
- Leiton, Cindy V.** (2009) The Role of Matrix Metalloproteinases in Oligodendrocyte Development. *Preparing for the Professoriate, Alliance for Graduate Education in the Professoriate Annual Conference*. Albany, NY. *Annual Conference in Science and Engineering*. City University of New York Graduate Center, New York, NY.
- Love, Damon.** (2010) Tumor cell specific inhibition of oncogenic Wnt signaling. *101st AACR Meeting*. Washington, DC.
- Love, Damon.** (2009) Altered lung morphogenesis in chibby-null mice. *Wnt 2009 Annual Meeting*. Washington, D.C.
- McCann, James J.**, Choi, U.B., Zheng, L., Weninger, K., Bowen, M.E. (2010) Recovering Absolute Fret Efficiency from Single Molecules: Comparing Methods of Gamma Correction. *Biophysical Society 54th Annual Meeting*. San Francisco, CA.
- Orelli, Barbara**, Tsodikov, O. V., Ellenberger, T. and Schärer, O.D. (2009) The nature of the substrate affects late steps in NER. *8th Structural Cell Biology of DNA Repair Machines (SBDR) Workshop*. Berkeley, CA.
- Orelli, Barbara**, McClendon, T.B., Tsodikov, O.V., Ellenberger, T., Niedernhofer, L.J. and Schärer, O. D. (2009) Mutations in the XPA-binding region of ERCC1 affect NER but not ICL repair. *3rd American Society for Microbiology Conference on DNA repair and mutagenesis*. Whistler, BC.
- Orelli, Barbara**, Madireddy, A., McClendon, T.B., Tsodikov, O.V., Ellenberger, T., Niedernhofer, L.J. and Schärer, O. D. (2010) Interstrand crosslink repair, but not NER, is responsible for cellular sensitivity to cisplatin. *New York Biotechnology Association (NYBA) 20th Annual Meeting*. New York, NY.

- Tzvetanova, Iva D.** (2009) Helping to Stop and Start Myelination: Csk Has Development. *American Society for Neurochemistry Annual Meeting*. Charleston, SC.
- Tzvetanova, Iva D.,** McKlenahan, F.K., Colognato, H. (2009) Helping to Start and Stop Myelination: Csk Has Dual Regulatory Functions during Oligodendrocyte Development. *9th European Meeting on Glial Cells and Disease*. Paris, France.
- Yao, Yao,** Zhou, Chun, Tsirka, Stella. (2009) Cleavage of monocyte chemoattractant protein-1 (MCP1) by plasmin enhances its activity to compromise BBB. *Society for Neuroscience the 39th Annual Meeting*. Chicago, IL.
- Yao, Yao,** Tsirka, Stella. (2010) The C-terminus of mouse Monocyte Chemoattractant Protein 1 (MCP1) mediates MCP1 dimerization while blocking its chemotactic potency. *Gordon Research Conference: Chemotactic Cytokines*. Lucca (Barga), Italy.

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

- Cheney, Laura.** (2009) MSTP Candidate. Third-Year Medical Student, School of Medicine, *Stony Brook University*, Stony Brook, NY.
- Corrales-Higuera, Alexandra.** (2009) Postdoctoral Fellow. Alliance for Graduate Education in the Professoriate Annual Conference (AGEP), Center for Inclusive Education, *Stony Brook University*, Stony Brook, NY.
- Love, Damon.** (2009) Postdoctoral Fellow. *Weill Cornell College of Medicine*, New York, NY.
- Song, Yan.** (2009) Postdoctoral Fellow. Department of Pharmacological Sciences, *Stony Brook University*, Stony Brook, NY.
- Su, Wenjuan** (2009) Postdoctoral Fellow. Department of Cell Biology and Pharmacology, *New York University Cancer Institute*, New York, NY.

PHILOSOPHY

GRADUATE DIRECTOR: (PH.D.) JEFFREY EDWARDS
(M.A.) EDUARDO MENDIETA
DEPARTMENT CHAIR: ROBERT CREASE

❖ Grants, Fellowships, and Awards

- Altshuler, Roman.** (2010) Summer Seminar, “Free Will and Human Perfection in Medieval Jewish Philosophy,” \$3,900. *National Endowment for the Humanities*, Washington, D.C.
- Bottenberg, Frances.** (2009-2010). Max Kade Foundation Scholarship, \$13,500. *Max Kade Foundation, Inc.*, New York, NY.
- Corrigan, James.** (2010). President’s Award for Excellence in Teaching by a Graduate Student, \$500. *Stony Brook University*, Stony Brook, NY.
- Frim, David.** (2010-2011) Max Kade Foundation Scholarship, \$13,500. *Max Kade Foundation, Inc.*, New York, NY.
- Frim, David.** (2010) Mildred and Herbert Weisinger Dissertation Fellowship, \$10,000. *Stony Brook University*, Stony Brook, NY.
- Golden, Nanda.** (2009-2010) Max Kade Foundation Scholarship, \$13,500. *Max Kade Foundation, Inc.*, New York, NY.
- Hammer, Taylor.** (2010-2011) Max Kade Foundation Scholarship, \$13,500. *Max Kade Foundation, Inc.*, New York, NY.
- Holloway, Travis.** (2010) Fulbright Award, €18,000. *U.S. Fulbright Commission/German-American Fulbright Commission*, New York, NY/Berlin, Germany.
- Jaime Galvan, Jose de Jesus.** (2010) Fulbright Summer Research Grant, \$1,500. *Lasgau @ Harvard*, Cambridge, MA.
- Rosenfeld, Adam.** (2010) President’s Award for Excellence in Teaching by a Graduate Student, \$500. *Stony Brook University*, Stony Brook, NY.
- Roth, Brandon.** (2010) Turner Dissertation Fellowship, \$10,000. *Turner Foundation*, Stony Brook, NY.
- Takahasi, Wakagi.** (2010-2011) Max Kade Foundation Scholarship, \$13,500. *Max Kade Foundation, Inc.*, New York, NY.
- Tillman, Rachel.** (2010-11) Jacob K. Javits Fellowship, \$30,000. *U.S. Department of Education*, Washington, D.C.
- Welgus, David.** (2009-2010) Max Kade Foundation Scholarship, \$13,500. *Max Kade Foundation, Inc.*, New York, NY.

❖ Singly Authored Publications/Research Reports/Reviews

- Aguirre, Javier.** (2009) On Rhetoric as a Technē: Aristotle’s responses to the *Gorgias*’ objections. *Praxis Filosofica* 29(2): 17-40.
- Aguirre, Javier.** (In Press) Soul’s Holistic Complexity and the Place of the Imagination in Aristotle’s Conception of the Soul. *Revista Filosofía UIS*.
- Altshuler, Roman.** (2009) Human Cloning Revisited: Ethical Debate in the Technological Worldview. *Biomedical Law & Ethics* 3(2): 177-195.

- Altshuler, Roman.** (2009) Political Realism and Political Idealism: The Difference that Evil Makes. *Public Reason* 1(2): 73-87.
- Altshuler, Roman.** (2009) Agency and the A-Series. *Southwest Philosophy Review* 25(1): 153-161.
- Butler, Samuel.** (In Press) Arendt and Aristotle on Equality, Leisure and Solidarity. *Journal of Social Philosophy*.
- Butler, Samuel.** (2009) Labor, Action, Communication. *International Studies in Philosophy* 40: 2.
- Cohoon, Christopher.** (In Press) The Ecological Irigaray? In A. Goodbody and K. Rigby (Eds.), *Ecocritical Theory: New European Approaches*. Charlottesville: Virginia University Press.
- Heiner, Brady Thomas.** (2009) Reinhabiting the Body Politic: Habit and the Roots of the Human. *differences: A Journal of Feminist Cultural Studies* 20(2-3): 73–102.
- Toledo, Roberto.** (In Press) Existentialism and Latin America. In J. Reynolds, A. Woodward, and F. Joseph (Eds.), *Continuum Companion to Existentialism*. London: The Continuum International Publishing Group.

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

- Aguirre, J., Pabón, P., García, P.** (2009) Demonstration versus Argumentation. A Case of Debate Between the Colombian Supreme Court of Justice and the Constitutional Court. *Vniversitas* 119(2): 137-160.
- Aguirre, J., García, P., Pabón, P.** (2009) Argumentation or Demonstration in the Judicial Decision? A Deep Look into the Constitutional State; Argumentación o demostración en la decisión judicial? *Revista de Derecho* 32(2): 1-29.
- García, P., **Aguirre, J., Pabón, P.** (2009) Difficult Cases as Collision Between Premises. Attempting an Explanation from Perelman’s Argumentation Theory. *Revista Jurídicas* 6(1): 79-96.
- García, P., **Aguirre, J., Pabón, P.** (2009) Confrontation of Argumentation Premises: Weighing of Premises in Three Difficult Cases Reviewed by Colombian Constitutional Court. *Revista Opinión Jurídica* 8 (15): 61-76.
- Bohorquez, V., **Aguirre, J.** (In Press) Tensions of Human Dignity: Conceptualization and Application for International Human Rights Law. *Sur – International Journal on Human Rights*.

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

- Aguirre, Javier.** (2009) Toward a Hegelian Conception of Human Dignity. First Step: The Overcoming of the Natural – Social Dualism. *Hegel’s philosophical anthropology*. Universidad de Málaga, Málaga, Spain.
- Aguirre, Javier.** (2009) Borges: Literate and Philosopher of the Paradoxes. *Borges and Us: Then and Always*. Hofstra University, Hempstead, NY.
- Altshuler, Roman.** (2009) Capabilities and Normativity Beyond Rationality and Sentience. International Society for Environmental Ethics at the APA. New York, NY.
- Altshuler, Roman.** (2009) Non-Human Life: A Constitutive View. *International Association for Environmental Philosophy*. Arlington, VA.
- Altshuler, Roman.** (2009) Action, Intention, and Capability. *Society for Ricoeur Studies*. George Mason University, Arlington, VA.
- Arruda, Caroline.** (2009) By Reason and Reason Alone: Do Present Actions Necessitate Future Commitments? *Rocky Mountain Ethics Congress*. University of Colorado-Boulder, Boulder, CO. (poster)

Philosophy

- Arruda, Caroline.** (2009) Comments on Sharon Sytsma's "The Best and Most Irrefutable Ethical Internalism." *Rocky Mountain Ethics Congress*. University of Colorado-Boulder. Boulder, CO.
- Bottenberg, Frances.** (2010) To the heart of logic: emotion as a topic for critical thinking courses. *American Association of Philosophy Teachers Annual Conference*. Coastal Carolina University, Myrtle Beach, SC.
- Bottenberg, Frances.** (2010) Das statische Paradox in der Wertgebung und seine Folgen für eine Untersuchung von Gefühlen und Entscheidungsvorgängen. [The static paradox in valuing and its consequences for an investigation into feeling and decision-making.] *Phenomenology Workshop*. Cologne University Husserl Archive, Cologne, Germany.
- Bottenberg, Frances.** (2009) Wirkt Emotion konstituierend auf unser logisches Denken? [Emotion: heuristic or constitutive of our deliberative thinking?] *Phenomenology Workshop*. Cologne University Husserl Archive, Cologne, Germany.
- Butler, Samuel.** (2010) A Fourth Subject Position of Care. *All in the Family: An Interdisciplinary Conference on Kinship and Community*. CUNY Graduate Center, New York, NY.
- Butler, Samuel.** (2009) Wanting to Work: The Dangers of a Job You Love. *Center for Worker Education @ City College*. New York, NY.
- Carter, Jennifer.** (2010) Why Irigaray Would Never Accept Alimony from Kant (and Other Fairytales). *Disorientations: Third Annual Queer Symposium*. Stony Brook Manhattan, New York, NY.
- Coate, Matthew.** (2009) Levinas in Kleinberg Levin's "Before the Voice of Reason." *Return to Voice Symposium*. Stony Brook Manhattan, New York, NY.
- Coate, Matthew.** (2010) Embodied intentionality and the Privacy of the Other. *17th Annual Kent State University May 4th Philosophy Graduate Student Conference*. Kent State University, Kent, OH.
- Coate, Matthew.** (2010) The Risk of Wonder in Descartes' "The Passions of the Soul." *LSU Philosophy Conference 2010*. Louisiana State University, Baton Rouge, LA.
- Coate, Matthew.** (2010) Foucault: on the Threshold of the Unthinkable. *Society for Student Philosophers Annual Conference*. University of Texas at Austin, Austin, TX.
- Cohoon, Christopher.** (2009) Phenomenology and Environment. *New University Cooperative*. Tatamagouche, NS. (invited talk)
- Cohoon, Christopher.** (2010) Wild Vegetation: The Natural Underside of Levinas' Human Ethics. *Société Internationale de Recherches Emmanuel Levinas (SIREL) and North American Levinas Society (NALS)*. Université de Toulouse, Toulouse, France.
- Green, Mark.** (2009) What Does One Second Feel Like? How Durations Become Objects of Perception. *Canadian Society for Continental Philosophy*. King's University College, London, ON.
- Green, Mark.** (2009) Aristotle on Light, Hearing, and how (not what) the Maker Mind Makes. *Society for Ancient Greek Philosophy*. Fordham University, New York, NY.
- Green, Mark.** (2009) The Perception of Durational Values. *A Workshop on Perception Beyond Vision*. Harvard University, Cambridge, MA.
- Green, Mark.** (2010) How rhythmic objects pose problems for a philosophy of perception. *11th Annual International Conference on Music Perception and Cognition*. University of Washington, Seattle, WA.
- Holloway, Travis.** (2009) The State of Being and Logos After Jean-Luc Nancy. *Society for Phenomenological and Existential Philosophy*. Washington, D.C.
- Holloway, Travis.** (2009) Enunciation. *The Second International Deleuze Studies Conference*. Cologne, Germany.

- Jaime Galvan, Jose de Jesus.** (2009) The Configuration of our Horizon of Experience and Judgment as a Dynamic Process. Some considerations about the laboratory of *Consciousness* in Hegel's "Phenomenology of Spirit." *Self and Time - Hegel's Philosophical Anthropology*. Malaga, Spain.
- Johnston, Timothy.** (2010) Holding Children Well: Ethics of Care and the Management of Intersex Children. *Annual Felician Ethics Conference*. Felician College, Rutherford, NJ. *Disorientations: Third Annual Queer Symposium*. New York, NY.
- Johnston, Timothy.** (2010) Pure Difference and Becoming: Confucius and Deleuze on Pedagogy. *The Value of Difference: University of Hawaii Uehiro Cross Currents Conference*. Honolulu, HI.
- Johnston, Timothy.** (2010) From Plasticity to Personal History: Deleuze, Anzaldúa and the Transsexual Narrative. *Cycles - Women's and Gender Studies Conference*. Stony Brook Manhattan, New York, NY.
- Kirk, Gregory.** (2009) The Poetizing Voice as Expression of Nature in David Kleinberg-Levin's "Before the Voice of Reason." *Returning to Voice*. Stony Brook Manhattan. New York, NY.
- O'Connor, Cara.** (2010) Arendt, Jaspers, and the Politicized Physicists. *Princeton Graduate Conference in Political Theory*. Princeton University, Princeton, NJ.
- Roess, Michael.** (2009) Rationality and Religious Conversion. *Building Bridges Graduate Student Philosophy Conference*. Southern Illinois University, Carbondale, IL.
- Susser, Daniel.** (2010) Absent Bodies: Nietzsche and the Experience of Electronically Mediated Communication. *2010 Society for Student Philosophers Conference*. University of Texas at Austin, Austin, TX.
- Susser, Daniel.** (2010) Religion How?: Deliberative Democracy and Proposition 8. *Third Annual Stony Brook University Queer Symposium*. Stony Brook Manhattan, New York, NY. *Queertopia! Academic Conference*. Northwestern University, Chicago, IL. *2010 Midsouth Philosophy Conference*. University of Memphis, Memphis, TN.
- Tillman, Rachel.** (2010) Sexual Difference Or Sexual Identity: Becoming-woman, the simulacrum and the fecundity of the eternal return. *Cycles: Stony Brook University 3rd Annual Women's & Gender Studies Graduate Student Conference*. New York, NY.
- Toledo, Roberto.** (2010) Le hip-hop et la hyperactivité : une défense de la neuroplasticité. *École Normale Supérieure*. Paris, France.
- Toledo, Roberto.** (2009) Des gènes et des environnements dégradés ou une neurosciences et une psychanalyse dégradantes [Degraded Genes and Environments or a Degrading Neuroscience and Psychoanalysis]. *Research group Rationalités contemporaines, Paris-IV-Sorbonne*. Paris, France.
- Welgus, David.** (2010) Self-consciousness, privileged access, and the semantics of the first-person pronoun. *Winter Philosophy School*. Milan, Italy.
- Wolfe, Katherine.** (2009) On Need: Freedom and Dependency in Sartre's "Critique of Dialectical Reason." *North American Sartre Society Conference*. Memphis, TN.
- Wolfe, Katherine.** (2009) Covering the Face with the Hands: A Study of Shame. *The Congress of the Canadian Society for Continental Philosophy*. London, ON.

❖ Translations

- Bottenberg, Frances.** (In Press) "Phenomenology": A reflection on the history of the term/ "Phänomenologie": Eine begriffsgeschichtliche Reflexion (Karl Schumann). In S. Luft and S. Overgaard (Eds.), *Routledge Companion to Phenomenology*. Abingdon, UK: Routledge. (Karl Schumann: Selected papers on phenomenology [2004])

Philosophy

- Butler, Samuel.** (2010) "Writing Space.": Max Marcuzzi. In Jocelyn Benoist and Fabio Merlini (Eds.), *Historité et Spacialité*. In Eduardo Mendieta and Stuart Elden (Eds.), *Companion to Kant's Physical Geography*. Albany, NY: SUNY Press. (J. Vrin [1998]).
- Butler, Samuel.** (2009) "Geometry in the Colossal": Peter Sloterdijk, *Sphären II—Globen. Society and Space* 27(1): 29-40.
- Green, Mark.** (In Press) "Husserl's New Phenomenology of Time Consciousness": Rudolf Bernet, *Bernau Manuscripts*. Dordrecht, The Netherlands: Springer. (Die neue Phänomenologie des Zeitbewusstseins in Husserls Bernauer Manuskripten [2002]).
- Toledo, Roberto.** (In Press) Reality and Negation: Kant's Principle of the Anticipations of Perception (Marco Giovanelli). New York, NY: Springer Studies in German Idealism. (Original Italian defended as a dissertation in 2005).
- Wolfe, Katherine.** (2009) Günther Anders's "The Pathology of Freedom." *Deleuze Studies*: December 2009.

❖ Post-Doctorates Obtained and Professional Appointments

- Arruda, Caroline.** (2011) Visiting Assistant Professor. Dept. of Philosophy, *Clemson University*, Clemson, SC.
- Bottenberg, Frances.** (2009-10) Visiting Scholar. *Universität Köln*, Cologne, Germany.
- Butler, Samuel.** (2010-11) Visiting Assistant Professor. *Elon University*, Elon, NC.
- Cohoon, Christopher.** (2009-19) Visiting Scholar. *Universite de Paris IV- Sorbonne*, Paris, France.
- Fauvel, Lysane.** (2010-11) Assistant Professor. Philosophy Department, *Southwestern University*, Georgetown, TX.
- Golden, Nanda.** (2009-10) Visiting Scholar. *Universität Köln*, Cologne, Germany.
- Heiner, Brady.** (2010-11) Visiting Assistant Professor. *Concordia University*, Montreal, QB.
- Johns, Christopher.** (2010-11) Assistant Professor. Philosophy Department, *American University*, Beirut, Lebanon.
- Landes, Donald.** (2010-11) Post-doctoral Fellowship. *McGill University*, Montreal, QB.
- Paccacerqua, Cynthia.** (2010-11) Assistant Professor. Philosophy Department, *University of Texas Pan-American*, Edinburg, TX.
- Smith, Andrew.** (2010-11) Assistant Professor. Philosophy Department, *Drexel University*, Philadelphia, PA.
- Welgus, David.** (2009-2010) Visiting Scholar. *Universitaet Köln*, Cologne, Germany.

PHYSICS AND ASTRONOMY

GRADUATE DIRECTOR: JACOBUS VERBAARSCHOT
DEPARTMENT CHAIR: LASZLO MIHALY

❖ Grants, Fellowships, and Awards

Faherty, Jacqueline. (2010) National Science Foundation International Research Fellowship Program, \$150,000. *National Science Foundation*, Arlington, VA.

Shim, H. (2010) DAMOP 2010 Student Travel Support, \$500. *APS Division of Atomic, Molecular, and Optical Physics*, College Park, MD.

❖ Singly Authored Publications/Research Reports/Reviews

Almeida, L.G., Sterman, G., Vogelsang, W. (2009) Threshold Resummation for Di-hadron Production in Hadronic Collisions. *Physical Review D80*: 074016.

Dai, Peng, Huang, Ru-Nan, Siegel, Warren. (2009) Covariant propagator in AdS₅ x S⁵ superspace. *JHEP* 1003: 001.

Faherty, Jacqueline, Burgasser, Adam J., West, Andrew A., Bochanski, John J., Cruz, Kelle L., Shara, Michael M., Walter, Frederick M. (2010) The Brown Dwarf Kinematics Project. II. Details on Nine Wide Common Proper Motion Very Low Mass Companions to Nearby Stars. *The Astronomical Journal* 139: 176-194.

Sung, Ilmo. (2010) Probing the Gauge Content of Heavy Resonances with Soft Radiation. *Physical Review D80*: 094020.

❖ Jointly Authored Publications/Research Reports/Reviews

Allred, C.S., Reeves, J., Corder, C., Metcalf, H. (2010) Atom lithography with metastable helium. *Journal of Applied Physics* 107: 033116.

McCoy, B.M., **Assis, M.,** Boukraa, S., Hassani, S., Maillard, J.-M., Orrick, W.P., Zenine, N. (2010) The saga of the Ising susceptibility. [*arXiv:1030.0751 [math-ph]*].

Azmoun, B., Caccavano, A., Citron, Z., Durham, M., Hemmick, T., Kamin, J., Rumore, M., Woody, C. (2009) Collection of photoelectrons and operating parameters of CsI photocathode GEM detectors. *IEEE Transactions Nuclear Science* 56: 1544.

Casalderrey-Solana, Jorge, Kim, Keun-Young, Teaney, Derek. (2009) Stochastic String Motion Above and Below the World Sheet Horizon. *JHEP* 0912: 066 [*arXiv:0908.1470 [hep-th]*].

Cho, Sungtae and Zahed, Ismail. (2009) Classical Strongly Coupled QGP: VII. Shear Viscosity and Self Diffusion. [*arXiv:0910.2666 [nucl-th]*].

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- Kamin, Jason**. (2009) Characterizing cold nuclear matter effects through dielectrons in d+Au collisions at PHENIX. *APS/JPS DNP 2009*. Waikoloa, Hawaii.
- Krueger, B.K.**, Calder, A.C., Townsley, D.M., Jackson, A.P., Brown, E.F. (2009) Dependence of Type Ia Supernovae on Progenitor Central Density. *KITP Stellar Death and Supernovae*. Santa Barbara, CA. (poster)
- Pertot, Daniel**, Gadway, B., Reimann, R., Schneble, D. (2009) Mott insulator transition of two-component bosons in a state-dependent optical lattice. *DAMOP 2009*. Charlottesville, VA.
- Pertot, Daniel**, Gadway, B., Reimann, R., Schneble, D. (2010) Two-component Bosons in Spin-dependent Optical Lattices. *NewSpin 2010: Spin manipulation in cold atoms and condensed matter*. Utrecht, The Netherlands.
- Gadway, Bryce, **Pertot, Daniel**, Reimann, R., Schneble, D. (2009) Implementing the single-species two-component Bose-Hubbard model in an optical lattice. *DAMOP 2009*. Charlottesville, VA.
- Bergeman, T., Shim, H., **Pertot, D.**, Gadway, B., Schneble, D. (2010) A Study of Nonadiabatic Effects When a 1D Optical Lattice is Turned on Rapidly. *DAMOP*. Houston, TX.
- Bergeman, T., **Shim, H.**, Pertot, D., Gadway, B., Schneble, D. (2010) A Study of Nonadiabatic Effects When a 1D Optical Lattice is Turned on Rapidly. *DAMOP*. Houston, TX.
- Shim, H.**, Bergeman, T. (2009) The Dynamics of Squeezed Coherent States in the Superfluid-Mott Insulator Phase Transition. *DAMOP*. Charlottesville, VA.
- Shim, H.**, Bergeman, T. (2010) The Dynamics of Two-component BECs Loaded in an Optical Lattice: Truncated Wigner Approximation. *DAMOP*. Houston, TX.
- Tschann-Grimm, Kathryn**. (2010) Search for the Standard Model Higgs Boson in the tau tau qbar q Final State. *American Physical Society April Meeting*. Washington, D.C.

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

- Faherty, Jacqueline**. (2010) NSF International Post-doctoral Appointment. *Universidad de Chile/Boston University*, Santiago, Chile and Boston, MA.
- Huang, Xiaojing**. (2010) Post-doctoral Research Associate. London Centre for Nanotechnology, *University College London*, London, UK.

Almeida, Leandro. (2010) Post-doctoral Research Associate. *Institut Physique Theorique*, Saclay, France.

Lin, Shu. (2010) Post-doctoral Research Associate. *Max Planck Institute*, Munich, Germany.

Sung, Ilmo. (2010) Post-doctoral Research Associate. *University of Maryland*, College Park, MD.

Young, Clint. (2010) Post-Doctoral Research Associate. *Mcgill University*, Montreal, QB.

PSYCHOLOGY

GRADUATE DIRECTOR: SUSAN BRENNAN
DEPARTMENT CHAIR: ARTHUR SAMUEL

❖ Grants, Fellowships, and Awards

- Barber, S. J.** (2009) APA Dissertation Research Award, \$1,000. *American Psychological Association*, Washington, D.C.
- Barber, S. J.** (2009) Award for Excellence in Advanced Research, \$100. *Department of Psychology*, Stony Brook University, Stony Brook, NY.
- Barber, S. J.** (2009) Award for Excellence in Teaching, \$100. *Department of Psychology*, Stony Brook University, Stony Brook, NY.
- Feinstein, Brian.** (2010-2013) Graduate Research Fellowship, \$121,500. *National Science Foundation*, Washington, D.C.
- Foti, D. & Dien, J.** (2009) Research Training Award, \$4,300. *Society for Psychophysiological Research*, Madison, WI.
- Glenn, Catherine.** (2009) National Research Service Award Pre-Doctoral Fellowship, \$62,803. *National Institute of Mental Health*, Bethesda, MD.
- Glenn, Catherine.** (2009) Award for Second Year Research. *Stony Brook University*, Stony Brook, NY.
- Hymowitz, Genna.** (2010) American Psychosomatic Society Scholar Award, \$500. *American Psychosomatic Society*, McLean, VA.
- Jose, Anita.** (2009) National Psychology Trainee Register Credentialing Scholarship, \$330. *National Register*, Washington, D.C.
- Jose, Anita.** (2009) APA International Travel Award, \$300. *American Psychological Association*, Washington, D.C.
- Kuhlen, Anna.** (2009) Retirees Dissertation Award, \$1,000. *Department of Psychology*, Stony Brook University, Stony Brook, NY.
- Malik, Jill.** (2010) Ruth L. Kirschstein National Research Service Award Predoctoral Grant, \$75,650. *National Institutes of Aging, NIH*, Bethesda, MD.
- Xu, Xiaomeng.** (2009) Predoctoral Ruth L. Kirschstein National Research Service Award, \$44,776. *National Institute on Drug Abuse*, Bethesda, MD.
- Xu, Xiaomeng.** (2009) Graduate Research Scholarship, \$1,000. *American Psychological Foundation (APF) and the Council of Graduate Departments of Psychology (COGDOP)*, Washington, D.C.

❖ Jointly Authored Publications/Research Reports/Reviews

- Barber, S.J., Rajaram, S., & Aron, A.** (2010) When two is too many: Collaborative encoding impairs memory. *Memory & Cognition* 38: 255-264.
- Barber, S.J., Franklin, N., Naka, M., & Yoshimura, H.** (2010) Higher social intelligence can impair source memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition* 36: 545-551.
- Hellerstein, D., Agosti, V., Bosi, M., & **Black, S.R.** (In Press) Impairment in psychosocial functioning associated with dysthymic disorder in the NESARC study. *Journal of Affective Disorders*.

- Hayden, E.P., Klein, D.N., Dougherty, L.R., Olino, T.M., Dyson, M.W., **Bufferd, S.J.**, Durbin, C.E., Sheikh, H.I., & Singh, S.M. (In Press) The dopamine D2 receptor gene and depressive and anxious symptoms in childhood: Associations and evidence for gene-environment correlation and gene-environment interaction. *Psychiatric Genetics*.
- Freitas, A.L., **Clark, S.L.**, Kim, J.Y., & Levy, S.R. (2009) Action-Construal Levels and Perceived Conflict Among Ongoing Goals: Implications for Positive Affect. *Journal of Research in Personality* 43(5): 938-941.
- Hershenberg, R., & **Davila, J.** (In Press) Depressive symptoms and sexual experiences among early adolescent girls: Interpersonal avoidance as a moderator. *Journal of Youth and Adolescence*.
- Hayden, E.P., Klein, D.N., Dougherty, L.R., Olino, T.M., **Dyson, M.W.**, Bufferd, S.J., Durbin, C.E., Sheikh, H.I., & Singh, S.M. (In Press) The dopamine D2 receptor gene and depressive and anxious symptoms in childhood: Associations and evidence for gene-environment correlation and gene-environment interaction. *Psychiatric Genetics*.
- Feinstein, B.A.**, Humphreys, K.L., Bovin, M.J., Marx, B.P., & Resick, P.A. (In Press) Victim-offender relationship status moderates the relationships of peritraumatic emotional responses, active resistance, and posttraumatic stress symptomatology in female rape survivors. *Psychological Trauma: Theory, Research, Practice, and Policy*.
- Humphreys, K.L., **Feinstein, B.A.**, & Marx, B.P. (In Press) Behavioral Assessment in Children. In J. Thomas & M. Hersen (Eds.), *Handbook of Clinical Psychology Competencies*.
- Marx, B.P., Foley, K.L., **Feinstein, B.A.**, Wolf, E.J., Kaloupek, D.G., & Keane, T.M. (2010) Combat-related guilt mediates the relations between exposure to combat-related abusive violence and psychiatric diagnoses. *Depression and Anxiety* 27: 287-293.
- Sloan, D.M., **Feinstein, B.A.**, & Marx, B.P. (2009) The durability of beneficial health effects associated with expressive writing. *Anxiety, Stress & Coping* 22: 509-523.
- Foti, D.**, & Hajcak, G. (2010) State sadness reduces neural sensitivity to nonrewards versus rewards. *NeuroReport* 21(2): 143-147.
- Foti, D.**, Kotov, R., Guey, L.T., & Bromet, E.J. (In Press) Cannabis use and the course of schizophrenia: 10-year follow-up after first hospitalization. *American Journal of Psychiatry*.
- MacNamara, A., **Foti, D.**, & Hajcak, G. (2009) Tell me about it: Neural activity elicited by emotional stimuli and preceding descriptions. *Emotion* 9(4): 531-543.
- Brennan, S.E., **Galati, A.**, & Kuhlen, A.K. (In Press) Two minds, one dialog: Coordinating speaking and understanding. In B. Ross (Ed.), *Psychology of Learning and Motivation* 53. Burlington: Elsevier, Academic Press.
- Glenn, C.**, & Klonsky, E. David. (2010) The role of seeing blood in non-suicidal self-injury. *Journal of Clinical Psychology* 66: 466-473.
- Glenn, C.**, & Klonsky, E. David. (2010) A multimethod analysis of impulsivity in non-suicidal self-injury. *Personality Disorders: Theory, Research, and Treatment* 1: 67-75.
- Glenn, C.R.**, Weinberg, A., & Klonsky, E.D. (2009) Relationship of the Borderline Symptom List (BSL) to DSM-IV Borderline Personality Disorder Criteria Assessed by Semi-Structured Interview. *Psychopathology* 42: 394-398.
- Klonsky, E. David., & **Glenn, C.** (2009) Non-suicidal self-injury: What independent practitioners should know. *The Independent Practitioner* 29: 147-150.
- Klonsky, E. David., & **Glenn, C.** (2009) Assessing the functions of non-suicidal self-injury: Psychometric properties of the Inventory of Statements about Self-Injury (ISAS). *Journal of Psychopathology and Behavioral Assessment* 31: 215-219.

- Levy, S.R., Rosenthal, L., & **Herrera-Alcazar, A.** (2009) Racial and ethnic prejudice among children. In J.L. Chin (Ed.), *The Psychology of Prejudice and Discrimination*. Westport, CT: Praeger.
- Hershenberg, R.**, & Davila, J. (In Press) Depressive symptoms and sexual experiences among early adolescent girls: Interpersonal avoidance as a moderator. *Journal of Youth and Adolescence*.
- Jacovina, M.E.**, & Gerrig, R.J. (In Press) How readers experience characters' decisions. *Memory & Cognition*.
- Aronson, J., **Jannone, S.**, McGlone, M., Johnson-Campbell, T. (2009) The Obama Effect: An Experimental Test. *Journal of Experimental Social Psychology* 45: 957-960.
- Jose, A.**, Rajaram, S., O'Leary, K.D. & Williams, M.C. (In Press) Memory for partner related stimuli: Free recall and frequency estimation. *Journal of Social and Personal Relationships*.
- Freitas, A.L., Clark, S.L., **Kim, J.Y.**, & Levy, S.R. (2009) Action-Construal Levels and Perceived Conflict Among Ongoing Goals: Implications for Positive Affect . *Journal of Research in Personality* 43(5): 938-941.
- Brennan, S.E., Galati, A., & **Kuhlen, A.K.** (In Press) Two minds, one dialog: Coordinating speaking and understanding. In B. Ross (Ed.), *Psychology of Learning and Motivation* 53. Burlington: Elsevier, Academic Press.
- Kuhlen, A.K.**, Brennan, S.E. (In Press) Anticipating distracted addressees: How speakers' expectations and addressees' feedback influence storytelling. *Discourse Processes*.
- MacNamara, A.**, Foti, D., & Hajcak, G. (2009) Tell me about it: Neural activity elicited by emotional stimuli and preceding descriptions. *Emotion* 9(4): 531-543.
- Levy, S.R., **Rosenthal, L.**, & Herrera-Alcazar, A. (2009) Racial and ethnic prejudice among children. In J.L. Chin (Ed.), *The Psychology of Prejudice and Discrimination*. Westport, CT: Praeger.
- Schneider, S.**, Moyer, A. (In Press) Correspondence: depression as a predictor of disease progression and mortality in cancer patients. *Cancer*.
- Schneider, S.**, Moyer, A., Knapp-Oliver, S.K., Sohl, S.J., Cannella, D., Targhetta, V. (2010) Pre-intervention distress moderates the efficacy of psychosocial treatment for cancer patients: a meta-analysis. *Journal of Behavioral Medicine* 33: 1-14.
- Moyer, A., Sohl, S.J., Knapp-Oliver, S.K., **Schneider, S.**, Floyd, A.H. (2009) Lessons to be learned from 25 years of research investigating psychosocial interventions for cancer patients. *The Cancer Journal* 15: 345-351.
- Selterman, D.**, & Drigotas, S. (2009) Attachment styles and emotional content, stress, and conflict in dreams of romantic partners. *Dreaming* 19(3): 135-151.
- Starr, L.R.**, Davila, J., La Greca, A. M., & Landoll, R. (In Press) Social Anxiety and Depression: The Teenage and Early Adult Years. In C.A. Alfano & D.C. Beidel (Eds.), *Social Anxiety Disorder in Adolescents and Young Adults: Translating Developmental Science into Practice*. Washington, D.C.: American Psychological Association.
- Klonsky, E.D. & **Weinberg, A.** (2009) Assessment of non-suicidal self-injury. In. M.K. Nock (Ed.), *Understanding non-suicidal self-injury: Current science and practice*. Washington, D.C.: American Psychological Association Press.
- Weinberg, A.**, Klonsky, E.D., & Hajcak, G. (2009) Autonomic impairment in Borderline Personality Disorder: A laboratory investigation. *Brain and Cognition* 71: 279-286
- Weinberg, A.**, & Klonsky, E.D. (2009) Measurement of emotion dysregulation in adolescents. *Psychological Assessment* 21: 616-621.
- Tomlinson, J.M.**, Carmichael, C.M., Reis, H.T., & Aron, A. (In Press) Affective forecasting and individual differences: Accuracy for relational events and anxious attachment. *Emotion*.

- Xu, X.**, Floyd, A.H.L., Westmaas, J.L., & Aron, A. (2010) Self-expansion and smoking abstinence. *Addictive Behaviors* 35: 295-301. doi:10.1016/j.addbeh.2009.10.019
- Xu, X.**, Aron, A., Brown, L., Cao, G., Feng, T., & Weng, X. (In Press) Reward and motivation systems: A brain mapping study of early-stage intense romantic love in Chinese participants. *Human Brain Mapping*.
- Xu, X.**, Floyd, A.H.L., Westmaas, J.L., & Aron, A. (In Press) Self-expansion as an aid in smoking abstinence and cessation. In F. Columbus (Ed.), *Smoking Cessation*. Nova Science Publishers.
- Yang, H.** and Zelinsky, G.J. (2009) Visual search is guided to categorically-defined targets. *Vision Research* 49: 2095-2103.

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

- Barber, S.J.**, & Rajaram, S. (2010) Collaborative memory impairment: The impact of divergent versus identical organizational schemes. *Association for Psychological Science*. Boston, MA.
- Barber, S.J.**, Rajaram, S., Aron, A., & Fox, E. (2010) When two heads are not better than one: The negative effects of collaboration during learning. *The Eastern Psychological Association*. New York, NY.
- Barber, S. J.**, Rajaram, S., & Harris, C. B. (2009) Collaboration impairs recall of unshared study information. *The Psychonomic Society*. Boston, MA.
- Naka, M., Ishizaki, C., Yamasaki, Y., **Barber, S.J.**, & Franklin, N. (2009) Reflecting upon a victim's feelings. *The Psychonomic Society*. Boston, MA.
- Jacovina, M.E., **Bezdek, M.A.**, Babes, M.C., & Gerrig, R.J. (2009) Nominalization As a Problem-Solving Strategy. *50th Annual Meeting of the Psychonomic Society*. Sheraton Boston Hotel, Boston, MA.
- Bufferd, S.J.**, Dougherty, L.R., Carlson, G.A., Bromet, E.J., & Klein, D.N. (2010) Parent-reported mental health in preschoolers: Findings using a diagnostic interview. *Annual Meeting of the American Psychopathological Association*. New York, NY. (poster)
- Klein, D.N., & **Bufferd, S.J.** (2010) Psychotherapy of depression: Efficacy in adults and youth. *Stony Brook University School of Medicine*. Stony Brook, NY.
- Klein, D.N., **Bufferd, S.J.**, Dougherty, L.R., & Carlson, G.A. (2009) Parent-reported depression in early childhood: Prevalence and stability. *International Society for Research on Child and Adolescent Psychopathology*. Seattle, WA.
- Congleton, A.R.** & Rajaram, S. (2010) The Influence of Learning History on Collaborative and Individual Recall. *50th annual meeting of the Psychonomic Society*. Boston, MA. *2010 annual meeting of the Eastern Psychological Association*. New York, NY. *2010 annual convention of the American Psychological Society*. Boston, MA. (poster)
- Xu., X., **Darlow, S.**, & Aron, A. (2010) The Influence of Close Others' Exercise Habits *2010 Society for Personality and Social Psychology Conference*. Las Vegas, NV. (poster)
- Hershenberg, R., **Dyson, M.W.**, & Klein, D.N. (2010) Longitudinal co-variation among the personality disorders. *2010 APS Annual Convention*. Boston, MA. (poster)
- Foley, K.M., **Feinstein, B.A.**, Wolf, E.J., Marx, B.P., Kaloupek, D.G., & Keane, T.M. (2009) Examining the mediating role of guilt in the relations between war-time atrocity exposure and psychiatric diagnoses using structural equation modeling. *43rd Annual Meeting of the Association for Behavioral and Cognitive Therapies*. New York, NY. (poster)

Psychology

- Foley, K.M., **Feinstein, B.A.**, Humphreys, K.L., Marx, B.P., Kaloupek, D.G., & Keane, T.M. (2009) Does heightened physiological reactivity persist when posttraumatic stress disorder is comorbid with externalizing disorders? *43rd annual meeting of the Association for Behavioral and Cognitive Therapies*. New York, NY. (poster)
- Foley, K.M., **Feinstein, B.A.**, Humphreys, K.L., Marx, B.P., Kaloupek, D.G., & Keane, T.M. (2009) Exposure to war-time atrocities and Posttraumatic Stress Disorder: The role of guilt. *117th Annual Meeting of the American Psychological Association*. Toronto, ON. (poster)
- Foley, K.M., **Feinstein, B.A.**, Wolf, E.J., Marx, B.P., Kaloupek, D.G., & Keane, T.M. (2009) The role of action-related combat guilt in the relations between abusive violence and psychiatric diagnoses. *Annual Meeting of the National Veterans Affairs Research Week*. Boston, MA. (poster)
- Sloan, D.M., **Feinstein, B.A.**, Beck, J.G., & Keane, T.M. (2009) The efficacy of group-based treatment for PTSD: A meta-analysis. *Annual Meeting of the National Veterans Affairs Research Week*. Boston, MA. (poster)
- Foti, D.**, & Hajcak, G. (2009) Sadness and reward sensitivity: Trait and state mood variables impact the magnitude of the feedback negativity. *Annual Meeting of the Society for Psychophysiological Research*. Berlin, Germany. (poster)
- Glenn, C.**, & Klonsky, E. David. (2009) Prospective prediction of non-suicidal self-injury. *43rd Annual Meeting of the Association for Behavioral and Cognitive Therapies*. New York City, NY. (poster)
- Glenn, C.**, Hajcak, Greg., & Klonsky, E. David. (2009) A psychophysiological examination of emotional reactivity and recovery in non-suicidal self-injury. *4th Annual Meeting of the International Society for the Study of Self-Injury*. Stony Brook, NY.
- Hershenberg, R.**, & Davila, J. (2010) Interpersonal style as a moderator of the association between depressive symptoms and sexual experiences among early adolescent girls. *2010 Biennial Meeting of the Society for Research on Adolescence Symposium: Recent refinements in understanding the association between romantic involvement and depressive symptoms*. Philadelphia, PA.
- Hershenberg, R.**, Dyson, M.W., & Klein, D.N. (2010) Longitudinal co-variation among the personality disorders. *2010 APS Annual Convention*. Boston, MA. (poster)
- Arkowitz, H., Drabick, D., Gelso, C.J., & **Hershenberg, R.** (2010) Training in empirically-supported treatments and evidence-based practice. *2010 APA Annual Convention*. San Diego, CA.
- Starr, L. R., Davila, J., Stroud, C. B., Li, P. C. L., Yoneda, A. C., **Hershenberg, R.**, & Miller, M. R. (2009) Psychological Symptoms as Antecedents, Correlates, and Consequences of Romantic and Sexual Activity among Adolescent Girls: Specificity or Spuriousness? *Annual Meeting of the Association of Behavioral and Cognitive Therapies*. New York, NY.
- Hymowitz, G.** (2010) Stress and abdominal pain after exposure to a laboratory stressor: Preliminary analyses of patients with gastrointestinal illness. *American Psychosomatic Society 68th Annual Scientific Meeting*. Portland, OR. *Women in Medicine Research Day*. Stony Brook, NY.
- Jacovina, M.E.**, Bezdek, M.A., Babes, M.C., & Gerrig, R.J. (2009) Nominalization As a Problem-Solving Strategy. *50th Annual Meeting of the Psychonomic Society*. Sheraton Boston Hotel, Boston, MA.
- Jannone, S.**, Halim, M.L., Gruelich, F., Lurye, L., Ruble, D. (2010) An analysis of tomboy meaning in children and adults. *Gender Development Research Conference*. San Francisco, CA.
- Lurye, L., Orosz, C., **Jannone, S.**, Ruble, D. (2010) Felt gender typicality, sex-typing, and their relationship to adjustment. *Gender Development Research Conference*. San Francisco, CA.
- Dalmut, E., Halim, M.L., Gruelich, F., **Jannone, S.**, Lurye, L., Ruble, D. (2010) The self-esteem of tomboys and the role of athletics. *Gender Development Research Conference*. San Francisco, CA.
- Tang, J., **Kim, D.J.**, Ponticello, J., Slupski, R., Anderson, B.J. (2010) Coping or anxiety? Consequences of psychological stress in rat models. *Psi Chi Undergraduate Research Conference*. SUNY Stony Brook, Stony Brook, NY. (poster)

- Kim, D.J.**, St. Louis, N., Slupski, R., Anderson, B.J. (2009) Psychogenic stress impairs spatial working memory while potentiating aversive responding. *Society for Neuroscience*. Chicago, IL. (poster)
- Clark, S.L., Freitas, A.L., **Kim, J.Y.**, & Levy, S.R. (2010) Level of Action Construal and Perceiving Concordance Among Goals: Implications for Positive Affect. *Society for Personality and Social Psychology*. Las Vegas, NV.
- Kuhlen, A.** (2010) Adressaten beeinflussen Sprecher. Wie das Informationsbedürfnis des Adressaten die Artikulation des Sprechers beeinflusst. *Tagung experimentell arbeitender Psychologen (TeaP)*. Saarbrücken, Germany.
- Kuhlen, A.** (2010) Addressees shape speaking. How informational needs affect interlocutors' behavior. *Århus Winter Symposium on Dynamic Models of Social Interaction*. Århus, Denmark.
- Jose, A.** (2009) Prevalence and Vulnerability Factors for Partner Aggression in the United States. In K.D. O'Leary (Chair), Universal or Country-Specific Vulnerability Factors for Partner Violence: Intervention Implications. *43rd Annual Meeting of the Association for Behavioral and Cognitive Therapies*. New York, NY.
- Jose, A.,** & O'Leary, K.D. (2009) Assessing relationship quality in a dating sample: A comparison of two measures. *43rd Annual Meeting of the Association for Behavioral and Cognitive Therapies*. New York, NY. (poster)
- Jose, A.,** O'Leary, K.D., Rajaram, S. & Williams, M.C. (2009) Memory of partner interactions: Reality-based or schema dependent? *40th Annual Meeting of the Society of Psychotherapy Research*. Santiago, Chile. (poster)
- Riela, S.,** Selterman, D., & Aron, A. (2010) Sleep Loss, Conflict, and Love in Romantic Relationships: A Daily Diary Study. *Annual Meeting of the Society for Personality and Social Psychology*. Las Vegas, NV. (poster)
- Selterman, D., **Riela, S.,** and Aron, A. (2009) Dreams and social bonding: Relationship quality and the presence of extra-dyadic partners in dream reports. *Annual Meeting of the Society for Personality and Social Psychology*. Tampa Bay, FL. (poster)
- Salwen, J.** & O'Leary, K. D. (2010) Predictors of Sexual Coercion. *International Family Violence and Child Victimization Research Conference*. Portsmouth, NH.
- Salwen, J.,** Foran, H., Lary Kar, H., & Jose, A. (2010) Pornography Use Among College Students. *International Family Violence and Child Victimization Research Conference*. Portsmouth, NH.
- Junghaenel, D.U., **Schneider, S.,** & Broderick, J.E. (2010) Social Support Moderates the Relationship between Catastrophizing and Pain Severity. *American Psychosomatic Society Annual Meeting*. Portland, OR.
- Riela, S., **Selterman, D.,** & Aron, A. (2010) Sleep Loss, Conflict, and Love in Romantic Relationships: A Daily Diary Study. *Annual Meeting of the Society for Personality and Social Psychology*. Las Vegas, NV. (poster)
- Selterman, D.** & Maier, M. (2010) Implicit Priming of Attachment Revisited: A Comparison of Methodologies. *Annual Meeting of the Society for Personality and Social Psychology*. Las Vegas, NV. (poster)
- Selterman, D.,** Riela, S., and Aron, A. (2009) Dreams and social bonding: Relationship quality and the presence of extra-dyadic partners in dream reports. *Annual Meeting of the Society for Personality and Social Psychology*. Tampa Bay, FL. (poster)
- Maier, M., Corcoran, D., & **Selterman, D.** (2009) Secure Base Script Knowledge, Semantic Priming, and the Structure of Attachment Representations in Associative Memory. *Biennial Meeting of the Society for Research in Child Development*. Denver, CO.

Psychology

- Selterman, D.** & Drigotas, S. (2008) Self-reports of attachment and emotional content of dreams. *Annual Meeting of the Society for Personality and Social Psychology*. Albuquerque, NM. (poster)
- Starr, L.R.,** Davila, J., Stroud, C. B., Li, P. C. L., Yoneda, A. C., Hershenberg, R., & Miller, M. R. (2009) Psychological Symptoms as Antecedents, Correlates, and Consequences of Romantic and Sexual Activity among Adolescent Girls: Specificity or Spuriousness? *Annual Meeting of the Association of Behavioral and Cognitive Therapies*. New York, NY.
- Starr, L.R.** & Schmid, S. P. (2010) Major Depression and Comorbid Disorders: An Application of the Tripartite Model to Treatment Research. World Congress of Behavioral and Cognitive Therapies. Boston, MA. (poster)
- Starr, L.R.** (2010) Integrating Mindfulness and Cognitive Behavior Therapy for Anxiety Disorders. *Clinical Case Conference*. Grand Rounds of the Department of Psychiatry, University of Illinois at Chicago, Chicago, IL.
- Tomlinson, J.M,** Reis, H.T., Carmichael, C.L. & Aron, A. (2010) Too much of a good thing? Curvilinear effects of perceived partner idealization on marital satisfaction. *Annual meeting of the Society for Personality and Social Psychology*. Las Vegas, NV.
- Tomlinson, J.M,** Reis, H.T., Carmichael, C.L. & Aron, A. (2009) Finding an optimal level: Curvilinear effects of perceived partner idealization in marriage. *International Association for Relationships Research Mini Conference*. Lawrence, KS.
- Weinberg, A.** & Klonsky, E.D. (2009) The effects of self-injury on acute negative affect: A laboratory simulation. *Annual International Society for the Study of Self-Injury*. Stony Brook, NY.
- Weinberg, A.** & Klonsky, E.D. (2009) Specific mindfulness deficits in borderline personality disorder. *Annual Association for Behavioral and Cognitive Therapies Conference*. New York, NY. (poster)
- Weinberg, A.,** & Hajcak, G. (2009) Specific categories of affective images differentially modulate the electrocortical response. *Society for Psychophysiological Research*. Berlin, Germany. (poster)
- Xu, X.,** Darlow, S., & Aron, A. (2010) The Influence of Close Others' Exercise Habits 2010 *Society for Personality and Social Psychology Conference*. Las Vegas, NV. (poster)
- Xu, X.,** Floyd, A.H.L., Westmaas, J.L., & Aron, A. (2009) Self-expansion and nicotine abstinence. *2009 Society for Behavioral Medicine Conference*. Montreal, QB. (poster)
- Yang, H.** and Zelinsky, G. J. (2009) The role of working memory in the search for multiple targets. *Abstracts for 50th Annual Meeting of the Psychonomic Society*: 149. Boston, MA.
- Starr, L. R., Davila, J., Stroud, C. B., Li, P. C. L., **Yoneda, A.C.,** Hershenberg, R., & Miller, M. R. (2009) Psychological Symptoms as Antecedents, Correlates, and Consequences of Romantic and Sexual Activity among Adolescent Girls: Specificity or Spuriousness? *Annual Meeting of the Association of Behavioral and Cognitive Therapies*. New York, NY.

❖ Post-Doctorates Obtained and Professional Appointments

- Barber, S. J.** (2010) Postdoctoral Fellow. The Davis School of Gerontology, *University of Southern California*, Los Angeles, CA.
- Starr, Lisa R.** (2010) Post-Doctoral Scholar Appointment. Department of Psychology, *UCLA*, Los Angeles, CA.

❖ Internship Appointments

- Hymowitz, Genna.** (2010) Clinical Health Psychology Intern. *Jesse Brown Veterans Affairs Medical Center*, Chicago, IL.

❖ **Other**

Glenn, Catherine. (2009-present) Co-Student Representative. International Society for the Study of Self-Injury (ISSS). *Stony Brook University*, Stony Brook, NY.

Glenn, Catherine. (2009) Associate Program Chair. International Society for the Study of Self Injury (ISSS) 4th Annual Meeting, *Stony Brook University*, Stony Brook, NY.

Hershenberg, R. (2010-2011) Student member of the Committee on Science and Practice. APA, *Division 12 Society of Clinical Psychology*, Washington, D.C.

SOCIAL WELFARE

GRADUATE DIRECTOR: JOEL BLAU

❖ Grants, Fellowships and Awards

Jung, Seungyong & **Gautam, Rana S.** (2009) Dialogue Across Differences Grant Recipient, \$725. *Stony Brook University's Department of Diversity and Affirmative Action*, Stony Brook, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

Francis, L. E., Berger, C.S., **Giardini, M.**, Steinman, C., Karina, K. (2009) Pregnant and poor in the suburb: The experiences of economically disadvantaged women of color with prenatal services in a wealthy suburban county. *Journal of Sociology & Social Welfare* 35(2): 133-157.

Francis, L. E., Berger, C.S., Giardini, M., Steinman, C., **Karina, K.** (2009) Pregnant and poor in the suburb: The experiences of economically disadvantaged women of color with prenatal services in a wealthy suburban county. *Journal of Sociology & Social Welfare* 35(2): 133-157.

Francis, L. E., Berger, C.S., Giardini, M., **Steinman, C.**, Karina, K. (2009) Pregnant and poor in the suburb: The experiences of economically disadvantaged women of color with prenatal services in a wealthy suburban county. *Journal of Sociology & Social Welfare* 35(2): 133-157.

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

Gautam, R. & Zhou, T. (2010) Chinese Nutrition Transition: Effect Of Income On Fat Intake. *The Unite For Sight Global Health & Innovation 2010 Conference*. Yale University, New Haven, CT.

SOCIOLOGY

GRADUATE DIRECTOR: TIMOTHY MORAN
DEPARTMENT CHAIR: MICHAEL SCHWARTZ

❖ Grants, Fellowships And Awards

- Coston, Bethany.** (2009) Miriam Sheldon Fellowship, \$3,000. *National Alpha Lambda Delta*, Macon, GA.
- Ellison, Brooke.** (2009) Suffolk County Women's Hall of Fame. *Suffolk County Women's Services*, Hauppauge, NY.
- Ellison, Brooke.** (2009) Humanitarian Award for Documentary "Hope Deferred." *Long Island International Film Festival*, Bellmore, NY.
- Ellison, Brooke.** (2009) Mass Impact Award for Documentary "Hope Deferred." *Boston Film Festival*, Boston, MA.
- Esparza, Louis Edgar.** (2009) United Nations Memorial Fellowship Award, Peace, War & Social Conflict Section. *American Sociological Association*, Washington, D.C.
- Esparza, Louis Edgar.** (2009) Braverman Award, Labor Division. *Society for the Study of Social Problems*, Knoxville, TN.
- Esparza, Louis Edgar.** (2010) Oxfam America Martin Diskin Dissertation Award, \$1,000. *Latin American Studies Association*, Pittsburgh, PA.
- Gonzalez, Gabriela.** (2009) Fulbright Grant, \$11,000. *Fulbright Commission*, Montevideo, Uruguay.
- Gonzalez, Gabriela.** (2009) BARSA Scholarship, \$3,000. *De Sa InterAmerican Foundation*, Brasilia, Brazil.
- Gonzalez, Gabriela.** (2009) Graduate Student Travel Award, \$300. *Social Sciences Historical Association-Rockefeller*, Long Beach, CA.
- Gonzalez, Gabriela.** (2010) The David Street Award for the best qualitative and/or theory paper, \$100. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Joseph, Lauren.** (2010) Runner-up, Sally Hacker Graduate Student Paper Award. *Sex and Gender Section of the American Sociological Association*, Washington, D.C.
- Lapegna, Pablo.** (2010) The David Street Award for the best qualitative and/or theory paper, \$100. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Llewellyn, Cheryl.** (2010) 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.
- Roelfs, David J.** (2010) The Hanan Selvin Award for the best quantitative and/or methodological paper, \$100. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Shor, Eran.** (2009) National Science Foundation Dissertation Improvement Grant, Sociology Program, \$8,084. *National Science Foundation*, Washington, D.C.

❖ Singly Authored Publications/Research Reports/Reviews

- Coston, Bethany.** (2009) Review of *Coercive Control: How Men Entrap Women in Everyday Life* by Evan Stark. *Journal of Men's Studies* 17(3): 260-263.
- Coston, Bethany.** (2009) Review of *Intimate Partner Violence* by Angela J. Hattery. *Gender & Society* 23: 581-583.

- Coston, Bethany.** (2009) Excerpts in Writing for the Social Sciences. In D. Melzer (Ed.), *Exploring College Writing: Reading, Writing, and Researching Across the Curriculum*. California: Pearson Longman.
- Esparza, Louis Edgar.** (In Press) La Violencia en el Centro del Valle del Cauca, 1948-1965 [Violence in the Center of Cauca Valley, 1948-1965]. *Revista de Estudios Colombianos [Journal of Colombian Studies]*.
- Esparza, Louis Edgar.** (2010) God Can be Funny: Repertoires, Religion and Resistance. *Qualitative Sociology* 33(1):105-109.
- Esparza, Louis Edgar.** (2009) Global Movement Coalitions: The Global South and the World Trade Organization in Cancun. *Societies Without Borders* 4(2): 226-247.
- Esparza, Louis Edgar.** (2009) To Rise in Darkness: Revolution, Repression, and Memory in El Salvador, 1920-1932. *Mobilization* 14(4): 513-14.
- Gonzalez, Gabriela.** (2009) The Power of Words: The Subversive in the Context of the Authoritarian Regimes in the Southern Cone. *Revista Encuentros Uruguayos 2 [Uruguayan Encounters Journal 2]*.
- Lapegna, Pablo.** (2009) Research Report: From Moral Protest to Opportunistic Lootings: A Relational Analysis of Riots in La Paz, Bolivia. *Social Movements and Food Shortages: Political Dynamics of Collective Violence*.
- Llewellyn, Cheryl.** (2010) Abstinence Education. In T. Cooke (Ed.), *Sex and Society Volume 1*. London: Brown Reference Group.
- Nagel, Elizabeth.** (2010) Review of *Inclusive Masculinity: The Changing Nature of Masculinities* by Eric Anderson. *The Journal of Men's Studies* 18(1):109-110.
- Shor, Eran.** (In Press) Terrorism and Human Rights in the New Millennium: In Search for Equilibrium. *Qualitative Sociology*.
- Shor, Eran.** (In Press) Jewish Masculinity and Other Masculinities in the Media Coverage of Israeli Sports. In Y. Galily, I. Tamir, and M. Levy (Eds.), *Gender and Sports in Israel*.
- Shor, Eran.** (In Press) A Voice of Their Own: Palestinian Athletes Trying to Break Through. In J. Calabrese (Ed.), *The State of Sports in the Middle East and North Africa*.

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

- Kalish, Rachel** and Kimmel, M. (In Press) Hooking Up: Hot Hetero Sex, or the New Numb Normative? *Australian Feminist Studies*.
- Kalish, Rachel** and Kimmel, M. (In Press) Suicide by Mass Murder: Masculinity, Aggrieved Entitlement, and Random School Shootings. *Health Sociology Review*.
- Kennedy, Amanda** and Llewellyn, Cheryl. (In Press) XXX-Treme Content: Why *Pornland's* Conclusions Are Hard to Swallow. *Sexualities*.
- Lapegna, Pablo** and Canevaro, S. (2009) Cruzando márgenes: segregación territorial y relaciones de poder en un barrio de Buenos Aires [Crossing Margins: Territorial Segregation and Power Relationships in a Buenos Aires Neighborhood]. In A. Grimson, C. Ferraudi Curto and R. Segura (Eds.), *La vida política en los barrios populares de Buenos Aires [The Political Life in Popular Neighborhoods of Buenos Aires]*. Buenos Aires: Prometeo.
- Auyero, J., **Lapegna, Pablo**, and Page Poma, Fernanda. (2010) Patronage Politics and Contentious Collective Action: A Recursive Relationship. *Latin American Politics and Society* 51(3): 1-31.
- Kennedy, Amanda and **Llewellyn, Cheryl.** (In Press) XXX-Treme Content: Why *Pornland's* Conclusions Are Hard to Swallow. *Sexualities*.

- Auyero, J., Lapegna, Pablo, and **Page Poma, Fernanda**. (2010) Patronage Politics and Contentious Collective Action: A Recursive Relationship. *Latin American Politics and Society* 51(3): 1-31.
- Shandra, J. M., Shircliff, Eric, **Restivo, Michael**, and London, B. (in press) The International Monetary Fund, World Bank, and Deforestation: A Cross-National Analysis of Structural Adjustment Lending. *Social Science Research*.
- Shandra, J. M., **Shircliff, Eric**, and London, B. (In Press) Do Commercial Debt-for-Nature Swaps Matter: A Cross-National Analysis of Deforestation. *Sociological Forum*.
- Shandra, J. M., **Shircliff, Eric**, Restivo, Michael, and London, B. (in press) The International Monetary Fund, World Bank, and Deforestation: A Cross-National Analysis of Structural Adjustment Lending. *Social Science Research*.
- Shandra, J. M., **Shor, Eran**, and London, B. (2009) World Polity, Unequal Ecological Exchange, and Organic Water Pollution: A Cross-National Analysis. *Human Ecology Review* 16: 52-62.
- Shor, Eran** and Simchai, D. (In Press) Lions and Tigers in the Kibbutzim: Sexual Aversion and Sexual Attraction in the Communal Education System. *Megamot*.

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

- Akin, Affe Idil**. (2010) SMOs in Wonderland: The Impact of Cyberactivism on Social Movement Organizations. *80th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Banerjee, Tarun**. (2010) No You Don't! Proposition 8 to Ban Same-Sex Marriage and the Social Movement Literature. *80th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Banerjee, Tarun**. (2010) No You Don't! Global Rights, Indian Children? The Global "Rights" Discourse in the NGO-State Literature in India. *80th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Braksmajer, Amy**. (2010) Constructions of the Sexually Able Body: Towards a Theory of Sexual Capital. *80th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Bugyi, Paul**. (2009) The Role of Cultural Capital in Health Outcomes: The Case of Hemodialysis Patient Compliance. *104th Annual Meeting of the American Sociological Association*. San Francisco, CA.
- Caputo-Levine, Deirdre**. (2009) Assigning Blame: An Analysis of Newspaper. *104th Annual Meeting of the American Sociological Association*. San Francisco, CA.
- Caputo-Levine, Deirdre**. (2010) Don't Give Them Your Bullets!: Reentry, Stigma and Emotion Work. *80th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Coston, Bethany**. (2010) Who's Your Daddy? – New Reproductive Technologies, Globalization, and Equality. *80th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Coston, Bethany**. (2010) Issues in Intimate Violence: Heteronormativity and Exclusion. *Second Annual Queering Paradigms Conference*. Queensland University of Technology, Brisbane, Australia.
- Curreli, Misty**. (2009) Yoga Will Cure Everything Except Problems Created by Yoga: Negotiations of Pain and Injury in Yoga. *104th Annual Meeting of the American Sociological Association*. San Francisco, CA.
- Curreli, Misty**. (2010) Narratives of Care: Conventional and Alternative Pathways in Chronic Pain Management. *80th Annual Meeting of the Eastern Sociological Society*. Boston, MA.

- Ellison, Brooke.** (2009-2010) Documentary *Hope Deferred* Screening. *HSCI Stem Cell Panel Discussion*. Harvard University, Cambridge, MA. *Stem Cell Symposium*. Harvard's Kennedy School of Government, Cambridge, MA. *The Science, The Ethics, The Promise*. Stony Brook University, Stony Brook, NY. *Stem Cell Symposium*. SUNY at Farmingdale, Farmingdale, NY. *Human Cells, Humane Decisions*. Rutgers University, NJ. *Stem Cells in the City*. New School, NY. *Stem Cell Forum*. Amherst University, Amherst, MA.
- Esparza, Louis Edgar.** (2009) From Tilling the Land to Blocking the Street: High-Risk Activism and the 'Moment of Repression.' *104th Annual Meeting of the American Sociological Association*. San Francisco, CA. *6th Annual Graduate Student Ethnography Conference*. New York, NY.
- Esparza, Louis Edgar.** (2009) Demanding Rights, Withholding Peace: The Colombian Sugarcane Workers Strike. *Society for the Study of Social Problems*. San Francisco, CA.
- Esparza, Louis Edgar** and Schwartz, M. (2009) The Dynamics of Terrorism & Guerilla War in Iraq & Colombia. *104th Annual Meeting of the American Sociological Association*. San Francisco, CA.
- Esparza, Louis Edgar.** (2009) Human Rights Law & Mobilization in Colombia, Peru & Venezuela. *Pacific Sociological Association Annual Meeting*. Portland, OR.
- Gonzalez, Gabriela.** (2010) Glocal Political Identities in the New Millennium: Youth and the World Social Forum in Porto Alegre. *80th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Gonzalez, Gabriela.** (2010) Treatment of the 'Subversive' in the Context of Authoritarian regimes in Latin America: An Analysis of Symbolic and Physical Power and Violence. *Overt and Discreet Violence: Ruptures and Continuities in Latin America and the Caribbean*. Latin American History Graduate Student Conference at Columbia University, New York, NY.
- Gonzalez, Gabriela.** (2010) Being like "Che" in Times of Disenchantment. *34th Annual Social Science History Association Meeting*. Long Beach, CA.
- Jolly, Helen.** (2010) Structural Violence and Tourism in Chichicastenango, Guatemala. *80th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Joseph, Lauren.** (2009) The Production of Pride: Institutionalization and LGBT Pride Organizations. *104th Annual Meeting of the American Sociological Association Conference*. San Francisco, CA.
- Kalish, Rachel.** (2009) More Than Words Can Say: Stories of Sexual Violence during Armed Conflicts. *104th Annual Meeting of the American Sociological Association*. San Francisco, CA.
- Kennedy, Amanda.** (2009) Tradition on Trial: Female Genital Practices, U.S. Law, and International Human Rights. *104th Annual Meeting of the American Sociological Association*. San Francisco, CA.
- Lal, Prita.** (2010) Social Movements that Demand from the State: Transforming or Integrating? *80th Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Lapegna, Pablo.** (2009) Protest and Patronage: Intersections and Interactions under the Microscope. *Clientelism and Democracy Workshop*. McGill University, Montreal, QB.
- Leckband, Christopher** and Shandra, J.M. (2009) Unequal Ecological Exchange, World Polity, and Biodiversity Loss: A Cross-National Analysis of Threatened Mammals. *104th Annual Meeting of the American Sociological Association*. San Francisco, CA.
- Llewellyn, Cheryl.** (2009) Constructing Others: An Analysis of Sexual Orientation Persecution Cases in Canada, the United Kingdom, and the United States. *104th Annual Meeting of the American Sociological Association*. San Francisco, CA.
- Mahler, Matthew.** (2009) Politics from the Inside Out: Towards an Ethnography of Everyday Political Life. *104th Annual Meeting of the American Sociological Association*. San Francisco, CA.

- Mahler, Matthew.** (2009) Meaning, Modality, and Passion in Professional Political Life. *Junior Theorists Symposium, sponsored by the Theory Section of the American Sociological Association.* University of California, Berkeley, Berkeley, CA. *Politics and Protest Workshop.* CUNY Graduate Center, New York, NY.
- Mahler, Matthew.** (2009) Codes, Categories, Calculations, or Passion??? In Search of Everyday Political Culture. *Department of Sociology.* Clark University, Worcester, MA.
- Maynard, Gary.** (2010) Direct and Indirect Effects of Neo-liberal Economic Policies on Global Rates of Youth Smoking: A Cross National OLS and SEM Analysis of Macro-determinants of Global Youth Smoking. *80th Annual Meeting of the Eastern Sociological Society.* Boston, MA.
- Maynard, Gary.** (2010) TB Rates and World Systems Analysis: Cross National Analysis of the International and Intranational Determinants of TB Deaths. *80th Annual Meeting of the Eastern Sociological Society.* Boston, MA.
- Murray, Josh.** (2010) Social Determinants of Performance Enhancing Drug Use in Major League Baseball. *80th Annual Meeting of the Eastern Sociological Society.* Boston, MA.
- Nagel, Elizabeth.** (2010) Alternative Masculinities: The Role of Race and Class in Constructing Masculinity. *Annual Conference of the National Council for Black Studies.* New Orleans, LA.
- Page Poma, Fernanda.** (2010) Patronage and Collective Action During Argentina's 2001 Crisis. *80th Annual Meeting of the Eastern Sociological Society.* Boston, MA.
- Peun, Haryun.** (2010) Changing a Career: Double-Meaning Creation and its Emotions. *80th Annual Meeting of the Eastern Sociological Society.* Boston, MA.
- Restivo, Michael.** (2009) Distributed Cognition and the Emerging Peer-to-Peer Production Model. *104th Annual Meeting of the American Sociological Association.* San Francisco, CA.
- Restivo, Michael.** (2010) A Quantitative Approach to Identifying Propaganda in Peer Produced Knowledge. *80th Annual Meeting of the Eastern Sociological Society.* Boston, MA.
- Shandra, J. M., **Restivo, Michael**, Shircliff, Eric and London, B. (2010) Debt-For-Nature Swaps and Deforestation: Do They Matter? *80th Annual Meeting of the Eastern Sociological Society.* Boston, MA.
- Sanli, Bilge.** (2010) A Sociological Institutional Perspective Towards Turkey-EU Relations. *80th Annual Meeting of the Eastern Sociological Society.* Boston, MA.
- Savio, Gianmarco.** (2009) Representing the Nation-State: Cultural Nationalism and Homogenization. *104th Annual Meeting of the American Sociological Association.* San Francisco, CA.
- Shandra, J. M., Restivo, Michael, **Shircliff, Eric** and London, B. (2010) Debt-For-Nature Swaps and Deforestation: Do They Matter? *80th Annual Meeting of the Eastern Sociological Society.* Boston, MA.
- Shandra, J. M., **Shircliff, Eric J.** and London, B. (2010) The International Monetary Fund, World Bank, and Structural Adjustment: A Cross-National Analysis of Forest Loss. *Population Association of America Annual Meeting.* Dallas, TX.
- Shircliff, Eric** and Shandra, J.M. (2010) Non-Governmental Organizations, Democracy, and HIV Prevalence: A Cross-National Analysis. *80th Annual Meeting of the Eastern Sociological Society.* Boston, MA.
- Shor, Eran.** (2009) The Boundaries of Israeli Collective and Citizenship in the Discourse over Foreign Athletes. *104th Annual Meeting of the American Sociological Association.* San Francisco, CA.
- Tyagi, Juhi.** (2010) State-Making and the Process of Criminalizing: Case of the Adivasis in India. *80th Annual Meeting of the Eastern Sociological Society.* Boston, MA.

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

- Baldermann, Diana.** (2009) Managing Editor. American Sociological Association Rose Monograph Series in Sociology. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Ellison, Brooke.** (2009) Research Assistant Professor. Department of Preventative Medicine, *Stony Brook University*, Stony Brook, NY.
- Ellison, Brooke.** (2009) Graduate School Adjunct Instructor. School of Health Technology and Management, *Stony Brook University*, Stony Brook, NY.
- Ellison, Brooke.** (2009) Graduate School Adjunct Instructor. Center for Medical Humanities, Compassionate Care, and Bioethics, *Stony Brook University*, Stony Brook, NY.
- Ellison, Brooke.** (2009) Ethics Committee Member. Empire State Stem Cell Board, *New York State Department of Health Wadsworth Center*, Albany, NY.
- Ellison, Brooke.** (2009) Board Member. Spinal Cord Injury Research Board, *New York State Department of Health Wadsworth Center*, Albany, NY.
- Esparza, Louis Edgar.** (2009) Board of Directors. *Society for the Study of Social Problems*, Knoxville, TN.
- Esparza, Louis Edgar.** (2009) Advisory Board. *Societies Without Borders*, Brill Academic Publishers, Boston, MA.
- Joseph, Lauren.** (2009) Managing Editor. Qualitative Sociology. Department of Sociology, *University of Texas at Austin*, Austin, TX.
- Lapegna, Pablo.** (2010) Visiting Scholar. Department of Sociology and Lozano Long Institute of Latin American Studies, *University of Texas at Austin*, Austin, TX.
- Sher, Anna.** (2009) Principal Institutional Research Analyst. Institutional Research & Policy Studies, Office of Planning and Budget, *University of California-Santa Cruz*, Santa Cruz, CA.
- Shor, Eran.** (2009) Managing Editor. Men and Masculinities. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Smith, Richard Tyson.** (2009) Postdoctoral Fellow. Institute for Health, Health Care Policy, & Aging Research, *Rutgers University*, New Brunswick, NJ.

❖ **Other**

- Ellison, Brooke.** (2009) *Hope Deferred* [DVD]. New York, NY: a-political Productions.
- Ellison, Brooke.** (2009) President & Founder. *The Brooke Ellison Project, Inc.* Stony Brook, NY.
- Curreli, Misty, Gonzalez, Gabriela, Llewellyn, Cheryl, Akin, Afife Idil, Peun, Haryun, Coston, Bethany, Kennedy, Amanda, Sanli, Bilge, Pierce, Doreen, Tyagi, Juhi, and Savio, Gianmarco.** (2010) Head of Organizing Conference Committee. *7th Annual Graduate Student Ethnography Conference*, *Stony Brook University*. Manhattan, NY.
- Mahler, Matthew.** (2009) Research profiled in *Perspectives*, American Sociological Association's Theory Section Newsletter, November Issue.

THEATRE ARTS

GRADUATE DIRECTOR: STEVE MARSH
DEPARTMENT CHAIR: NICK MANGANO

❖ Singly Authored Publications/Research Reports/Reviews

Rebar, Donald. (2009) How to Make the Most of a Theatre Internship. *BeYourArt.com* and *The North Shoreian Magazine*, Nov. 2009.

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

Jensen, Amy. (2009) Panelist. International Children's Theatre: Sites of Intervention and Dialogue, *Association for Theatre in Higher Education Conference (ATHE)*. New York, NY

Jensen, Amy. (2009) Panelist. University Caucus: Hot Topics and Breaking Bounds: International Dramaturgy. *Literary Managers and Dramaturgs of the Americas (LMDA)*. Washington, D.C.

❖ Post-Doctorates Obtained and Professional Appointments

Rebar, Donald. (2009) Dramaturg/Assistant Stage Manager. Sweet Karma. *Queens Theatre in the Park*. Queens, NY.

Rebar, Donald. (2009) Dramaturg. Urban Retreat 2009. *Young Playwrights Inc.* New York, NY.

Rebar, Donald. (2009-2010) Script Reader. *Young Playwrights Inc.* New York, NY.

❖ Internship Appointments

McMahan, Matthew. (2009) General Internship. *The Wooster Group*, New York, NY.

Reese, Lorien. (2009) Residency Coordinator. *Watermill Center*. Watermill, NY.

❖ Theatrical Productions

Goldberg, Becky. (2009) Assistant Director. The Female Odd Couple. *The Minstrel Players*. Northport, NY.

Goldberg, Becky. (2010) Production Dramaturg. Figaro/Figaro. *Stony Brook University*, Department of Theatre Arts, Stony Brook, NY.

Jensen, Amy. (2010) Director. Here now Then. *Port Jefferson Go Green*, Port Jefferson, NY.

Lee, Caitlin. (2009-2010) Resident Dramaturg. *Firebone Theatre Company*. New York, NY.

Lee, Caitlin. (2009) Production Dramaturg. Emily: An Amethyst Remembrance. *Firebone Theatre Company*. New York, NY.

Lee, Caitlin. (2009) Devising Performer. Here Now Then. *Port Jefferson Go Green*. Port Jefferson, NY.

Lee, Caitlin. (2010) Literary Manager. Spring Reading Series. *Firebone Theatre Company*. New York, NY.

Lee, Caitlin. (2010) Literary Associate. *Abingdon Theatre Company*. New York, NY.

Theatre Arts

- McMahan, Matthew.** (2009) Dramaturg. *The Living Newspaper. Manhattan Theatre Company, New York, NY.*
- McMahan, Matthew.** (2010) Actor. *Figaro. Figaro/Figaro. Stony Brook University, Stony Brook, NY.*
- Rebar, Donald.** (2009-2010) Actor. *What Killed Marcelo Lucero? Teatro Experimental Yerbabruja. Central Islip, NY.*
- Rebar, Donald.** (2009) Dramaturg. *Something About Siblings. Stony Brook University, Stony Brook, NY.*
- Reese, Lorien.** (2009) Dramaturg. *These Shining Lives. Stony Brook University, Stony Brook, NY.*
- Sowers, Adrienne.** (2010) Literary Assistant. *New Dramatists. New York, NY.*
- Sowers, Adrienne.** (2010) Stage Manager/Dramaturg. *The March of Spring. New Dramatists premiere reading. New York, NY.*
- Sowers, Adrienne.** (2010) Reader. *Young Playwrights, Inc. New York, NY.*
- Sowers, Adrienne.** (2009) Ensemble Member. *What Killed Marcelo Lucero? Teatro Experimental Yerbabruja. Central Islip, NY.*

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