

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 2001-2002 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 secretaries who have taken the time to coordinate and submit the program's achievements.

- **On the Cover**

If That Doesn't Work Try Sticking Them In One At A Time by Kate Diago

Kate Diago is a graduate student in the Master of Fine Arts program and the winner of the 2002 Dorothy L. Pieper Memorial Purchase Prize

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GRADUATE PROGRAMS

❖ **BASIC HEALTH SCIENCES**, Vice Dean for Research: Craig Malbon

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

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

❖ **COLLEGE OF ARTS AND SCIENCES**, Dean: Robert Liebermann

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

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

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

❖ **MARINE SCIENCES RESEARCH CENTER**, Dean: Marvin Geller

Coastal Oceanography
Marine Sciences

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

The 2001 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.

Mark Barsamian	<i>Mathematics</i>
Margo Dellicarpini	<i>Linguistics</i>
Robert V. Hill	<i>Anatomical Sciences</i>
Jennifer Matey	<i>Philosophy</i>
Senem Saner	<i>Philosophy</i>
Hwa-Ji Shin	<i>Sociology</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.

Matthew Cashen	<i>Physics and Astronomy</i>
Shu-Chiuan	<i>Physics and Astronomy</i>
Patrick Lee	<i>Marine Sciences</i>
Jianfeng Jiang	<i>Chemistry</i>
Satoshi Sato	<i>Chemistry</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.

Kate Diago	<i>Art</i>
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❖ **The Madeline Fusco Fellowship**

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

Amy Gangloff
Jonah Ratsimbazafy

History
Anthropological Sciences

❖ **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.

David Anshen
Evan Selinger

Comparative Literature
Philosophy

ANATOMICAL SCIENCES

GRADUATE DIRECTOR: CATHERINE FORSTER

DEPARTMENT CHAIR: JACK T. STERN

❖ Grants, Fellowships, and Awards

Curry-Rogers, K. (2001) President's Award for Distinguished Doctoral Students, Honorable Mention. *Stony Brook University*, Stony Brook, NY.

Georgi, J. (2001) NSF Graduate Research Fellowship, Honorable Mention. *National Science Foundation*, Arlington, VA.

Hall, M. (2001) Grant-in-Aid-of-Research, \$800. *Society of Integrative and Comparative Biology*, McLean, VA.

Hill, Robert V. (2002) Presidential Award for Excellence in Teaching by a Graduate Student. *Stony Brook University*, Stony Brook, NY.

Hill, Robert V. (2002) Dissertation Improvement Grant. *National Science Foundation*, Arlington, VA.

Hill, Robert V. (2001) Doris and Samuel P. Welles Fund for Visiting Scientists, \$984. *University of California Museum of Paleontology*, Berkeley, CA.

Hill, Robert V. (2001) Field Museum of Natural History Visiting Scholar Award, \$979. *Field Museum of Natural History*, Chicago, IL.

Metzger, Keith A. (2002) Grants-in-Aid of Research, \$800. *Society for Integrative and Comparative Biology*, McLean, VA.

Metzger, Keith A. (2002) Department of Anatomical Sciences Research Grant, \$250. *Stony Brook University*, Stony Brook, NY.

Metzger, Keith A. (2001) Graduate Council Fellowship, \$9,376. *Stony Brook University*, Stony Brook, NY.

Metzger, Keith A. (2001) Grants-in-Aid of Research, \$350. *Sigma Xi, the Scientific Research Society*, Research Triangle Park, NC.

O'Connor, P.M., and Michael Gottfried. (2001) Exploring Tanzania's Cretaceous Record: Implications for Gondwanan Biogeography, \$2,050. *Jurassic Foundation Research Grant*, Drumheller, Alberta, Canada.

Gottfried, Michael, and P.M. O'Connor. (2001) Exploring Cretaceous Sediments in Tanzania: Implications for Gondwanan Biogeography at the End of the Mesozoic, \$33,340. *Michigan State University Intramural Research Grants Program*, East Lansing, MI.

O'Connor, P.M. (2001) Estes Award, Pulmonary Pneumaticity in Recent Birds and Fossil Archosaurs, \$1000. *Society of Vertebrate Paleontology*, Northbrook, IL.

Samonds, K.E. (2002) Fellowship Award, \$15,000. *Cave Conservancy Foundation*, Glen Allen, VA.

Samonds, K.E. (2001) Exploration Fund, \$1,200. *The Explorers Club*, New York, NY.

Samonds, K.E. (2001) Annual Grant, \$500. *The 2111 Foundation*, Cambridge, UK.

Samonds, K.E. (2001) Grant-In-Aid, \$500. *The Paleontological Society*, East Lansing, MI.

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

- Hall, M.** (2001) Do You Need Large Eyes to Fly? *Journal of Morphology* 248: 238.
- Metzger, Keith A.** (2002) Cranial Kinesis in Lepidosaurs. *Topics in Vertebrate Functional and Ecological Morphology*. P. Aerts, Ed. Netherlands: Shaker Publishing BV.
- O'Connor, P.M.** (2001) Soft-tissue Influences on Archosaurian Vertebrae: Interpreting Pneumatic and Vascular Features. *Journal of Vertebrate Paleontology* 21 (3): 84A.
- O'Connor, P.M.** (2001) Postcranial Pneumaticity in Extant Avians: Distinguishing Pulmonary from Nonpulmonary Pneumaticity. *Journal of Morphology* 248 (3).
- Samonds, K.E.** (2001) The Origins of the Modern Malagasy Vertebrate Fauna. *Final Research Report Presented to The Geological Society of America, Final Research Report Presented to the 2111 Foundation, Final Research Report Presented to The Paleontological Society*.
- Samonds, K.E.** (2001) A Paleontological Expedition to Explore Caves in the Eastern Rainforest of Madagascar. *Final Research Report Presented to The Explorers Club*.

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

- Curry-Rogers, K.** and Forster, C. (2001) The Last of the Dinosaur Titans: A New Sauropod From Madagascar. *Nature* 412: 530.
- Curry-Rogers, K.** (2001) A New Sauropod From Madagascar: Implications for Titanosaur Lower-Level Phylogeny. *Journal of Vertebrate Paleontology* 21: 43A
- Erickson, G.M., **Curry-Rogers, K.**, and Yerby, S. (2001) Dinosaurian Growth Patterns and Rapid Avian Growth Rates. *Nature* 412: 429.
- Tang, F., Luo, Z.X., Zhou, Z.H., You, H.L., **Georgi, J.**, Tang, Z.L. and Wang, X.Z. (2001) Biostratigraphy and Paleoenvironment of the Dinosaur-bearing Sediments in Lower Cretaceous of Mazongshan Area, Ganzu Province, China. *Cretaceous Research* 22: 115-129.
- Ross, C.F., **Hall, M.**, Heesy, C.P. (In press) Were Basal Primates Nocturnal? Evidence From Eye and Orbit Shape. *Primate Origins*. M. Rivoso and M. Dagasto, Eds.
- Hall, M.** and Ross, C.F. (2001) Eye Size and Shape in Amniotes. *American Zoologist* 41:1464.
- Hill, Robert V.**, Witmer, L. M., and Norell, M. A. (2001) A New Juvenile Specimen of *Pinacosaurus grangeri*: Ontogeny and Phylogeny of Ankylosaurs. *Journal of Vertebrate Paleontology* 21: 61A; Manuscript submitted to *American Museum Novitates*.
- Metzger, Keith A.** and A. Herrel. (2002) Inertial Feeding in Reptiles: The Role of Skull Mass Reduction. *American Zoologist* 41(6): 1525.
- Schwartz, G.T., **Samonds, K.E.**, Godfrey, L.R., Jungers, W.L. and Simons, E.L. (in press) Dental Microstructure and Life History in Subfossil Lemurs. *Proceedings of the National Academy of Sciences*.
- Irwin, M.T. and **Samonds, K.E.** (in press) Range Extension of the Madagascar Red Owl (*Tytosoumagnei*) in Madagascar: The Case of a Rare, Widespread Species? *Manuscript IB01/06 IBIS*.
- Godfrey, L.R., **Samonds, K.E.**, Jungers, W.L. and Sutherland, M.R. (in press) Dental Development and Primate Life Histories. *Primate Life Histories and Socioecology*. Peter M. Kappeler and Michael E. Pereira, Eds.
- Godfrey L.R., **Samonds, K.E.**, Jungers, W.L. and Sutherland, M.R. (2001) Teeth, Brains, and Primate Life Histories. *American Journal of Physical Anthropology* 114: 192-214.
- Irwin, M.T. and **Samonds, K.E.** (2001) A Biological Inventory of the Lemur Community Réserve Spéciale de Kalambatritra, South Central Madagascar. *Lemur News* 6: 24-28.

ANATOMICAL SCIENCES

Samonds, K.E., Loewen, M.A., Buckley, G.A. and Whatley, R.L. (2001) Vertebrate Fossils from the Cenozoic of Madagascar. *Geological Society of America* 33(6): A-389.

Loewen, M.A., **Samonds, K.E.**, and Ramarolahy, M.F. (2001) Lake Tsimanampetsotsa, A Modern Playa Lake in Madagascar. *Geological Society of America* 33(6): A-443.

Samonds, K.E., Schwartz, G.T., Jungers, W.L., and Godfrey, L.R. (2001) Dental Development and Life History in Subfossil Lemurs. *American Journal of Physical Anthropology* 32 (suppl): 129.

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

Curry-Rogers, K. (2001) *HBA.doc-2go*, IL.

Ross, C.F., **Hall, M.**, Heesy, C.P. (2001) Were Basal Primates Nocturnal? *Primate Origins Symposium*. Chicago, IL.

Hill, Robert V., Witmer, L.M., and Norell, M.A. (2001) A New Juvenile Specimen of *Pinacosaurus grangeri*: Ontogeny and Phylogeny of Ankylosaurs. *61st Annual Meeting of Society of Vertebrate Paleontology*. Bozeman, MT.

Metzger, Keith A., and A. Herrel (2002) Inertial Feeding in Reptiles: The Role of Skull Mass Reduction. *Society for Integrative and Comparative Biology*. Anaheim, CA.

O'Connor, P.M. (2001) Soft-tissue Influences on Archosaurian Vertebrae: Interpreting Pneumatic and Vascular Features. *Sixty-First Annual Meeting of the Society of Vertebrate Paleontology*. Bozeman, MT.

O'Connor, P.M. (2001) Postcranial Pneumaticity in Extant Avians: Distinguishing Pulmonary from Nonpulmonary Pneumaticity. *Meeting of the International Congress of Vertebrate Morphology*. Jena, Germany.

O'Connor, P.M. (2001) Soft-tissue Influences on Archosaurian Vertebrae: Interpreting Pneumatic and Vascular Features. *Journal of Vertebrate Paleontology* 21 (3): 84A.

Samonds, K.E., Loewen, M.A., Buckley, G.A., and Whatley, R.L. (2001) Vertebrate Fossils from the Cenozoic of Madagascar. *Geological Society of America* 33(6): A-389.

Loewen, M.A., **Samonds, K.E.**, and Ramarolahy, M.F. (2001) Lake Tsimanampetsotsa, A Modern Playa Lake in Madagascar. *Geological Society of America* 33(6): A-443.

Samonds, K.E., Schwartz, G.T., Jungers, W.L., and Godfrey, L.R. (2001) Dental Development and Life History in Subfossil Lemurs. *American Journal of Physical Anthropology* 32 (suppl): 129.

❖ Post-Doctorates Obtained and Professional Appointments

Curry-Rogers, K. (2001) Curatorial Assistant. Paleontology Department, *Science Museum of Minnesota*, St. Paul, MN.

Curry-Rogers, K. (2001) Visiting Scholar. Geology Department, *Macalester College*, St. Paul, MN.

Curry-Rogers, K. (2001) Research Associate. Bell Museum of Natural History, *University of Minnesota*, St. Paul, MN.

Hill, Robert V. (2002) Adjunct Instructor. Department of Biology, *Hofstra University*, Hempstead, NY.

O'Connor, P.M. (2001) Gross Anatomy Instructor, Department of Biomedical Sciences, Ohio University College of Osteopathic Medicine, *Ohio University*, Athens, OH.

ANTHROPOLOGICAL SCIENCES

GRADUATE DIRECTOR: BRIGETTE DEMES
DEPARTMENTAL CHAIR: FREDERICK GRINE

❖ Grants, Fellowships, and Awards

- Arrigo-Nelson, S.J.** (2002) The Effects of Habitat Disturbance on the Behavior and Ecology of the Milne-Edwards Sifaka in Ranomafana National Park, \$1000. *Primate Conservation, Inc.*, Charlestown, RI.
- Wright, Patricia, and **Arrigo-Nelson, S.J.** (2001) Madagascar's Lemurs, \$7000. *The Earthwatch Institute*, Boston, MA.
- Arrigo-Nelson, S.J.** (2001) The Behavior and Ecology of the Greater Bamboo Lemur (*Hapalemur simus*) Within the Peripheral Zone of Ranomafana National Park: Measuring the Effects of Anthropogenic Disturbance, \$3000. *Primate Action Fund: Margot Marsh Biodiversity Foundation*, Falls Church, VA.
- Arrigo-Nelson, S.J.** (2001) Sigma Xi Travel Award, \$200. Sigma Xi, *Stony Brook University*, Stony Brook, NY.
- Beyin, Amanuel.** (2001) L.S. Baldwin Fellowship, \$12,000. *Leakey Foundation*, San Francisco, CA.
- Cleghorn, Naomi.** (2001-2002) Dissertation Research Grant, \$8750. *Wenner Gren Foundation*, New York, NY.
- Cole, Jennifer M.** (2001-2002) Sigma Delta Epsilon Fellowship, \$3000. *Graduate Women in Science*, New York, NY.
- Heesy, C.P.** (2001) Norman Creel Prize for Outstanding Research in Anatomical Sciences. Department of Anatomical Sciences, *Stony Brook University*, Stony Brook, NY.
- Irwin, M.T.** (2001) Research Grant: Metapopulation Modeling of the Lemur Community in the Fragmented Forest of Tsinjoarivo, Eastern Central Madagascar, \$20,663. *Margot Marsh Biodiversity Foundation*, Washington, D.C.
- Irwin, M.T.** (2001) Research Grant: Metapopulation Modeling of the Lemur Community in the Fragmented Forest of Tsinjoarivo, Eastern Central Madagascar, \$2000. *Primate Conservation, Inc.*, Charlestown, RI.
- Lu, A.** (2002) Endocrinology Lab. *San Diego Zoo*, San Diego, CA.
- Paciulli, Lisa M.** (2002) Excellence in Doctoral Dissertation Commendation Award. *Stony Brook University*, Stony Brook, NY.
- Reed, Denne N.** (2001-2002) Ford Foundation Dissertation Fellowship, \$24,000. *Ford Foundation*, Washington, D.C.
- Smith, T.M.** (2001) Interdepartmental Doctoral Program in Anthropological Sciences Research Award, \$250. *Stony Brook University*, Stony Brook, NY.
- Smith, T.M.** (2001) Interdepartmental Doctoral Program in Anthropological Sciences Travel Award, \$250. *Stony Brook University*, Stony Brook, NY.

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

- Heesy, C.P.** (2001) Rethinking Anthropoid Origins. *Evolutionary Anthropology* 9: 119-121.
- Merwin, Daria.** (in press) Twelve Entries on Maritime History and Long Island Hamlets. *The Encyclopedia of New York State*. P. Eisenstadt, Ed. Albany, NY: Syracuse University Press.
- Paciulli, Lisa M.** (2002) The Elusive Simakobu Monkey (*Simias concolor*). *International Primate Protection League News* 28 (3). S. McGreal, Ed. Charleston, SC: IPPL Press.

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

- Cole, Jennifer M.,** Rasbury, E.T., Montañez, I.P., Pedone, V.A., Hemming, S.R., Lanzirotti, A., Becker, M.L., and Hanson, G.N. (2001) Uranium-lead Ages of Lake Margin Tufa Calcite from the Middle Miocene Barstow Formation, Southern California. *Eos, Transactions of the American Geophysical Union* 82 (47) Fall Meeting Supplement: V42F-04.
- Cole, Jennifer M.,** Lanzirotti, A., Rasbury, E.T., and Hanson, G.N. (2001) XRF and XANES Studies of Uranium Incorporation into Miocene Tufa Calcite. *National Synchrotron Light Source Activity Report*. Abstract no. cole117.
- Fajardo, R.J.,** Ryan, T.R., and Kappelman, J. (2002). Assessing the Accuracy of High-Resolution X-Ray Computed Tomography of Primate Trabecular Bone by Comparisons With Histological Sections. *American Journal of Physical Anthropology* 118: 1–10.
- Fajardo, R.J.,** Müller, R. (2001) Three-Dimensional Analysis of Nonhuman Primate Trabecular Architecture Using Micro-Computed Tomography. *American Journal of Physical Anthropology* 115: 327–336.
- Heesy, C.P.,** Ross, C.F., and Demes, A.B. (2002) Primate Origins: Disruption of Eye Position and Oculomotor Coordination by the Masticatory Muscles in *Otolemur* and *Felis*. *American Journal of Physical Anthropology Supplement* 34: 84.
- Stevens, N.J., and **Heesy, C.P.** (2001) Effects of Substrate Orientation on Inclination of the Orbital Plane in *Loris Tardigradus*. *American Zoologist* 41: 1595.
- Semenderi, K., **Lu, A.,** Schenker, N, Damasio, H. (2002) Humans and Great Apes Share a Large Frontal Cortex. *Nature Neuroscience* 5 (3): 272-276.
- Miller, C.T., and **Paciulli, Lisa M.** (2002) Patterns of Lateralized Hand Use in an Arboreal Primate, *Simias concolor*. *American Journal of Primatology* 56: 231-236.
- Grine, F.E., **Stevens, N.J.,** and Jungers, W.L. (2001) Evaluation of Dental Radiograph Accuracy in the Measurement of Enamel Thickness. *Archives of Oral Biology* 46: 1117-1125.
- Wheeler, Brandon,** and Ungar, Peter. (2001) Congruence of Tail Use Behaviors Between Male and Female Mantled Howling Monkeys. *Folia Primatol* 72: 292-297.

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

- Arrigo-Nelson, S.J.,** Wright, P.C., and Altman, J. (2001) Patterns of Agonistic Behavior in Milne-Edwards' Sifakas (*Propithecus diadema edwardsi*): An Age-Sex Analysis. *American Association of Physical Anthropologists Annual Meeting*. Kansas City, MO. (see also: *American Journal of Physical Anthropology* 114 (Supplement 32): 34-35.)
- Bevin, Amanuel.** (2001) Prehistoric Prospects of Eritrea: A Paleolithic Approach. *Asmara, 1st International Conference*. Eritrea.
- Burns, J.L.,** and Koenig, A. (2002) Female Dominance Relationships and Hierarchies: A Cross Taxa Comparison. *Twenty-fifth Meeting of the American Society of Primatologists*. Oklahoma City, OK.

- Cleghorn, Naomi**, and Golovanova, L. (2001) Processes of Bone Accumulation at Mezmaiskaya Cave. *Annual Meeting of the Society of American Archaeology*. New Orleans, LA.
- Cole, Jennifer M.**, Rasbury, E.T., Lanzirotti, A., Nienstedt, J., Becker, M.L., and McCall, K. (2001) Determining Uranium Concentrations in Carbonates on a Variety of Scales: A Case Study from the Barstow Formation, Mojave Desert, California. *Carbonate Research Group Meeting, American Association of Petroleum Geologists Annual Convention*. Denver, CO.
- Nienstedt, J., **Cole, Jennifer M.**, and Rasbury, E.T. (2001) A Method for Determining Uranium Concentrations in Sedimentary Carbonates on a Hand Specimen Scale. *Carbonate Research Group Meeting, American Association of Petroleum Geologists Annual Convention*. Denver, CO.
- Fajardo, R.J.**, Müller, R., Ketcham, R., and Colbert, M. (2002). More on the Three-dimensional Trabecular Architecture of Anthropoid Primates: *Macaca fascicularis*, *Symphalangus syndactylus*, *Papio cynocephalus*, and *Ateles* spp. *Annual Meeting of the American Association of Physical Anthropologists*. Buffalo, NY.
- Heesy, C.P.**, Ross, C.F., and Demes, A.B. (2001) Does the Postorbital Bar Prevent Disruption of Oculomotor Coordination by the Anterior Temporalis? *First-Ever International Conference on Primate Origins and Adaptations: A Multidisciplinary Perspective*. Northwestern University-Chicago Field Museum. Chicago, IL.
- Ross, C.F., Hall, M.I., **Heesy, C.P.** (2001) Were Basal Primates Nocturnal? *First-Ever International Conference on Primate Origins and Adaptations: A Multidisciplinary Perspective, Northwestern University-Chicago Field Museum*. Chicago, IL.
- Irwin, M.T.**, Johnson, S.E., and Wright, P.C. (2001) Lemur Conservation in Southeastern Madagascar: Population Assessments Using Surveys, Satellite Imagery and G.I.S. *Annual Meeting of the Society for Conservation Biology*. Hilo, HI.
- Godfrey, L.R., Jungers, W.L., **Irwin, M.T.** (2001) A Paleobiological Perspective on Extinct and Endangered Primates in Madagascar. *Annual Meeting of the Society for Conservation Biology*. Hilo, HI.
- Irwin, M.T.** (2002) Lemurs of Madagascar: Conservation in Isolation. *29th Conference of the International Primate Protection League*. Summerville, SC.
- Merwin, Daria.** (2002) Preliminary Investigation of Submerged Prehistoric Resources in the Mid-Atlantic Bight. *Society for Historical Archaeology 35th Annual Conference on Historical and Underwater Archaeology*. Mobile, AL.
- Merwin, Daria.** (2002) Shifting Sands of Time: Environmental Change and Prehistoric Adaptations at Sandy Hook. *Society for American Archaeology 67th Annual Meeting*. Denver, CO.
- Merwin, Daria.** (2001) Archaeological Potential of the Continental Shelf in the Northern Middle Atlantic and Southern New England. *Eastern States Archaeological Federation 68th Annual Meeting*. Watertown, NY.
- Paciulli, Lisa M.** (2002) Research and Conservation on the Endangered Primates of the Mentawai Islands, West Sumatra, Indonesia. *2002 International Primate Protection League Conference*. Charleston, SC.
- Smith, T.M.**, Martin, L.B., and Sirianni, J.E. (2002) Incremental Features of Pre- and Postnatal Enamel Microstructure in Pigtailed Macaques (*Macaca nemestrina*). *71st Annual Meeting of the American Association of Physical Anthropologists*. Buffalo, NY.
- Stevens, N.J.** (2002) Problem-based Workshop for Facilitation of Small Group Learning. *Patient Centered Curriculum*. Ohio University College of Osteopathic Medicine. Athens, OH.
- Stevens, N.J.** (2001) Effects of Substrate Orientation on Locomotion in *Loris Tardigradus*. *International Congress of Vertebrate Morphologists*. Jena, Germany.
- Stevens, N.J.** and Heesy, C.P. (2001) Effects of Substrate Orientation on Inclination of the Orbital Plane in *Loris Tardigradus*. *Society of Integrative and Comparative Biologists Meetings*. Anaheim, CA.

ANTHROPOLOGICAL SCIENCES

Stevens, N.J. (2001) Effects of Branch Orientation on Quadrupedal Walking in *Loris Tardigradus*. *American Association of Physical Anthropologists Meetings*. Buffalo, NY.

Stevens, N.J. (2001) Case-based Workshop for Facilitation of Small Group Learning. *Clinical Presentation Curriculum*. Ohio University College of Osteopathic Medicine. Athens, OH.

❖ Post-Doctorates Obtained and Professional Appointments

Arrigo-Nelson, S.J. (2002) Program Assistant. Institute for the Conservation of Tropical Environments, *Stony Brook University*, Stony Brook, NY.

Arrigo-Nelson, S.J. (2002) Research Associate. Institute for Zoology, *University of Hamburg*, Hamburg, Germany.

Stevens, N.J. (2001) Postdoctoral Fellowship. Department of Biomedical Sciences, Ohio University College of Osteopathic Medicine, *Ohio University*, Athens, OH.

❖ Other

Arrigo-Nelson, S.J. (2001) Teaching Assistant. Madagascar Field School, Institute for the Conservation of Tropical Environments. *Ranomafana National Park*, Ranomafana, Madagascar.

Arrigo-Nelson, S.J. (2001) The Behavior and Ecology of the Greater Bamboo Lemur (*Haplemur simus*) with the Peripheral Zone of Ranomafana National Park: Measuring the Effects of Anthropogenic Disturbance. Report to: *Madagascar Association of the Management of Protected Areas*, Antananarivo, Madagascar.

Arrigo-Nelson, S.J. (2001) Co-Principle Investigator for the Madagascar's Lemurs Field Expeditions. *The Earthwatch Institute*, Boston, MA.

Paciulli, Lisa M. (2001) Blue Planet Hero. Featured in One-hour Documentary of Twelve People Who Have Had a Positive Impact on the Global Environment. Filmed by *Pulse Productions*: SF, California for *National Geographic Television*, Washington, D.C.

Paciulli, Lisa M. (2002) Forest Woman. Portrayed in Half-hour Documentary Filmed by *Southern Star Group Limited*: NSW, Australia for *National Geographic Society*, Washington, D.C.

Stevens, N.J. (2002) Photographic Exhibit: Solo, Images of Egypt. *Redbud Cafe*, Athens, OH.

APPLIED MATHEMATICS AND STATISTICS

GRADUATE DIRECTOR: WOO JONG KIM
DEPARTMENTAL CHAIR: JAMES GLIMM

❖ Grants, Fellowships, and Awards

- George, Erwin.** (2002) Turner Fellowship. *The Graduate School, Stony Brook University*, Stony Brook, NY.
- Heller, Jason.** (2002) Graduate Council Fellowship. *The Graduate School, Stony Brook University*, Stony Brook, NY.
- Iwuoha, Chinedum.** (2002) GAANN Fellowship, \$18,000. *Department of Education*, Washington, D.C.
- John, Elizabeth.** (2002) GAANN Fellowship, \$18,000. *Department of Education*, Washington, D.C.
- Kimbell, Rachel.** (2002) VIGRE Fellowship, \$18,000. *Department of Education*, Washington, D.C.
- Pisterzi, John.** (2002) GAANN Fellowship, \$18,000. *Department of Education*, Washington, D.C.
- Retelevsky, Dorothy.** (2002) VIGRE Fellowship, \$18,000. *Department of Education*, Washington, D.C.
- Rhoads, Christopher.** (2002) VIGRE Fellowship, \$18,000. *Department of Education*, Washington, D.C.
- Saywack, Simone.** (2002) GAANN Fellowship, \$18,000. *Department of Education*, Washington, D.C.
- Tintle, Nathan.** (2002) VIGRE Fellowship, \$18,000. *Department of Education*, Washington, D.C.
- Troy, Melanie.** (2002) VIGRE Fellowship, \$18,000. *Department of Education*, Washington, D.C.
- Wu, Shuruo.** (2002) GAANN Fellowship, \$18,000. *Department of Education*, Washington, D.C.

❖ Jointly Authored Publications/Research Reports/Reviews

- Cho, S.Y.,** Lindquist, W.B. (2002) Predictability in Stochastic Reservoir. *SIAM Applied Math Journal* (submitted).
- Feldman, J.L., Hellberg, C.S., Viliani, G., **Garber, W.,** Tangerman, F.M. (2002) Local Dynamic Properties. *Philosophical Magazine B 82* (2): 133-141.
- Garber, W.,** Tangerman, F.M., Allen, P.B., Feldman, J.L. (2001) Numerical Study of the Localization-Delocalization Transition for Vibrations in Amorphous Silicon. *Philosophical Magazine B 81*(6): 433-439.
- Krozel, J., Peters, M., Bilimoria, K.D., **Lee, C.L.,** Mitchell, J.S.B. (2001) System Performance Trade-Offs Between Centralized and Decentralized Air Traffic Separation Strategies. *Air Traffic Control Quarterly 9* (4): 311-322.
- Weaver, C.M.,** Pinezich, J.D., Lindquist, W.B., Vazquez, M. (2001) An Algorithm for Neurite Outgrowth Reconstruction. *Brain Research* (submitted).
- George, Erwin,** Glimm, J., Li, X.-L., **Marchese, A., Xu, Z.** (2002) A Comparison of Experimental, Theoretical and Numerical Simulation Rayleigh-Taylor Mixing Rate. *Proceedings of the National Academy of Sciences 99* (5): 2587-2592.

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

- Fei, J.** (2002) Algorithm Research and Design. *LIPA Power Load Forecast Project*. Stony Brook, NY.
- Fei, J.** (2002) PTLoad Input Requirement. *LIPA Power Load Forecast Project*. Stony Brook, NY.
- Sztainberg, M.,** Arkin, E.M., Bender, M.A., Mitchell, J.S.B. (2002) Analysis of Heuristics for the Freeze-Tag Problem. *Eighth Scandinavian Workshop on Algorithm Theory*. Turku, Finland.
- Xu, Z.** (2002) Conservative Front Tracking Algorithm in Two Dimensions. *Ninth International Workshop on Numerical Methods for Free Boundary Problems*. College Park, MD.
- Xu, Z.** (2002) Conservative Front Tracking Algorithm in Two Dimensions. *International Workshop on Computational Methods for Continuum Physics and their Application*. Nanjing, Peoples Republic of China.
- Xu, Z.** (2002) Numerical Methods for Determination of RT and RM Mixing. *International Workshop on the Physics of Compressible Turbulent Mixing*. Pasadena, CA.

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

- Jaen, Enrique.** (2001) Vice President. *Bear, Stearns & Company, Inc.*, New York, NY.
- Jin, Hyeonseong.** (2001) Postdoctoral Fellow. Applied Mathematics and Statistics Department, *Stony Brook University*, Stony Brook, NY.
- Koh, Ying Ying.** (2001) Postdoctoral Fellow. Applied Mathematics and Statistics Department, *Stony Brook University*, Stony Brook, NY.
- Mugno, Raymond.** (2001) Postdoctoral Fellow. Applied Mathematics and Statistics Department, *Stony Brook University*, Stony Brook, NY.
- Nam, Jee Yeon.** (2001) Postdoctoral Fellow. *Los Alamos National Laboratory*, Los Alamos, NM.
- Suh, Young Ju.** (2001) Postdoctoral Fellow. Department of Statistics, *Seoul National University*, Seoul, Korea.
- Ulgen, Ayse.** (2001) Postdoctoral Fellow. Laboratory of Human Genetics, *Rockefeller University*, New York, NY.
- Yang, Hyunmi.** (2001) Manager. U.S. Risk Management Department, *World Financial Center*, New York, NY.

❖ **Software Developed**

- Fei, J.** (2001) Autoftp. Software for the Power Load Forecast Project for LIPA. *Stony Brook University*, Stony Brook, NY.
- Shin, H.,** Lindquist, W.B. (2002) Throat Construction in Three Dimensional Porous Media. Capability of Locating the Throats in the Digitized Images, Statistical Analysis on Microscopic Level Structure of Porous Media. *Stony Brook University*, Stony Brook, NY.

ART

GRADUATE DIRECTOR: BARBARA FRANK
DEPARTMENTAL CHAIR: JAMES RUBIN

❖ Grants, Fellowships, and Awards

Diago, Kate. (2002) Dorothy L. Pieper Memorial Purchase Prize. *Stony Brook University*, Stony Brook, NY.

❖ Singly Authored Publications/Research Reports/Reviews

Conner, Jill. (2002) Review of Daniel Root, Donna Edelbaum, Jim Pavlicovic, Laura Paddock, Ken Leeds and Rokhshad Nourdeh at Art Resources Transfer. *Contemporary Magazine* (in press). New York, NY.

Conner, Jill. (2002) Review of (Para)Normality and Everyday Life at the Barbara Gladstone Gallery. *Artnet.com* (in press). New York, NY.

Conner, Jill. (2002) Review of New Work by James Barsness at the George Adams Gallery. *Artnet.com* (in press). New York, NY.

Conner, Jill. (2002) Review of “Infotecture,” at Artists Space. *NY Arts* (in press). New York, NY.

Conner, Jill. (2002) Review of “Drawing Rooms,” by Anita Thacher at Art Resources Transfer. *Sculpture* (in press). New York, NY.

Conner, Jill. (2002) Review of Max Beckmann’s 8 Sculptures at Richard L. Feigen & Co. *Sculpture* (in press). New York, NY.

Conner, Jill. (2002) Review of Huang Yong Ping at the Barbara Gladstone Gallery. *Sculpture* (in press). New York, NY.

Conner, Jill. (2002) Review of New Work by Robert Therrien at the Gagosian Gallery (Upper East Side). *Sculpture* (in press). New York, NY.

Conner, Jill. (2002) Review of French/Brooklyn Art Exchange. *NY Arts*. New York, NY.

Conner, Jill. (2002) Review of “Blah, Blah, Blah (Part 1),” by Roni Horn at the Dia Center for the Arts. *NY Arts*. New York, NY.

Conner, Jill. (2002) Review of “Name No Names,” by Marlene Dumas at the New Museum of Contemporary Art. *NY Arts*. New York, NY.

Conner, Jill. (2002) Review of Two Video Installations Titled, “Casting,” (2000) and “Instrumental Version,” (2001) by João Onofre at the I-20 Gallery. *Art Papers*. New York, NY.

Conner, Jill. (2002) Review of New Work by Gretchen Bennett and Susan Walters at the PS 122 Gallery. *NY Arts*. New York, NY.

Conner, Jill. (2001) Review of “Portrait of the Lost Boys <<in five parts deftly and six details of straining>>” by Jaqueline Fraser at the New Museum of Contemporary Art. *NY Arts*. New York, NY.

Conner, Jill. (2001) Review of “Jackpot,” by Christian French at the Eyre/Moore Gallery. *Art Papers*. Seattle, WA.

Conner, Jill. (2001) Review of “Air Space,” by Jenny Heishman at the SOIL Gallery. *Sculpture*. Seattle, WA.

ART

Conner, Jill. (2001) Book Review of “Representation and Photography: A Screen Education Reader.” Manuel Alvarado et al., Ed. *Afterimage*.

Levitov, Karen. (2002) Picturing the Streets of New York. *New York: Capital of Photography*. M. Kozloff, Ed. New Haven and London: Yale University Press, and New York: The Jewish Museum.

❖ Curatorial Appointments

Levitov, Karen, and S. Snyder. (2002) Performing Judaism, Exhibition and Catalogue. *Cooley Gallery, Reed College, Portland, OR.*

❖ Internship Appointments

O’Brien, Kelly. (2002) Summer Internship in Director’s Office. *Guggenheim Museum, New York, NY.*

BIOMEDICAL ENGINEERING

GRADUATE DIRECTOR: PARTAP KHALSA

DEPARTMENT CHAIR: CLINTON RUBIN

❖ Grants, Fellowships, and Awards

- Garman, R.** (submitted) 2001 National Osteoporosis Foundation Student Fellowship Grants, \$3000. *National Osteoporosis Foundation*, Washington, D.C.
- Garman, R.** (submitted) National Science Defense and Engineering Graduate Fellowships, Tuition and \$23,000. *Department of Defense*, Washington, D.C.
- Garman, R.** (2001) Travel Grant, \$300. *Biomedical Engineering Society*, Landover, MD.
- Ianuzzi, A.** (2001/2002) Presidential Scholarship, \$2,000. *Stony Brook University*, Stony Brook, NY.
- Ianuzzi, A.** (2001) Pieper Merit Scholarship, \$3,000. *Stony Brook University*, Stony Brook, NY.
- Komatsu, David.** (2001) Travel Grant, \$300. *Biomedical Engineering Society*, Bethesda, MD.
- Luu, Y.K.** (2002) Graduate Fellowship Alternate. *National Physical Science Consortium*, Las Cruces, NM.
- Luu, Y.K.** (2001) Pieper Merit Award, \$3000. Graduate Council Fellowship and Awards Committee, *Stony Brook University*, Stony Brook, NY.
- Luu, Y.K.** (2001) Presidential Scholarship, \$2000. Graduate Council Fellowship and Awards Committee, *Stony Brook University*, Stony Brook, NY.
- Luu, Y.K.** (2001) Graduate Stipend Scholarship, \$18,000. Department of Biomedical Engineering, *Stony Brook University*, Stony Brook, NY.
- Madhavan, G.** (2001) AT&T Leadership Award (*Asia Pacific*). *AT&T Inc.*, Hong Kong and Singapore.
- Madhavan, G.** (2001) Award of Achievement. *United States National Scholars Honor Society*, Washington, D.C.
- Madhavan, G.** (2001) Educational Foundation Scholarship Award of Recognition for Outstanding Professional Attainments. *Instrumentation, Systems and Automation Inc. (Formerly Instrument Society of America-ISA)* ISA, Research Triangle Park, NC.

❖ Singly Authored Publications/Research Reports/Reviews

- Madhavan, G.** (in press) MEMS-A Quick Look at the Breakthrough Technology. *ISA INTECH Journal*.

❖ Jointly Authored Publications/Research Reports/Reviews

- Gaudette, G.R.,** Todaro B.S., Krukenkamp, I.B., Chiang, F.P. (2001) Computer Aided Speckle Interferometry: A Technique for Measuring Deformation on the Surface of the Heart. *Annals of Biomedical Engineering* 29: 775-780.

- Irie H., Krukenkamp, I.B., **Gaudette, G.R.**, Saltman, A.E., Brinkmann, J.F.F., Abumrad, N.A., Ibrahim, A. (2001) The CD36 Protein is an Important Modulator of Ischemic/Reperfusion Injury in the Murine Heart. *Surgical Forum* 52: 72-74.
- Horimoto, H., Krukenkamp, I.B., Saltman, A.E., **Gaudette, G.R.**, Levitsky, S. (2001) Nicorandil Exerts Myocardial Preconditioning by Opening Mitochondrial Rather than Sarcolemmal ATP-Dependent Potassium Channel. *International Journal of Surgical Investigations* 3: 277-285.
- Reitano, E., **Gaudette, G.R.**, Krukenkamp, I.B. (2001) Effects of Aspirin on the Cardioprotective Benefits of Arachidonic Acid in Ischemic Preconditioning. *International Journal of Cardiovascular Medicine and Science* (in press).
- Gao, J., Wymore, R.S., **Gaudette, G.R.**, Krukenkamp, I.B., Cohen, I.S., Mathias, R.T. (2002) Isoform Specific Stimulation of the Na/K Pump by nM Concentrations of Dihydroouabain in Mammalian Heart. *Journal of Physiology* (in press).
- Saltman, A.E., Aksehirli, T.O., Valiunas, V., **Gaudette, G.R.**, Matsuyama, N., Brink, P., Krukenkamp, I.B. (2002) Gap Junction Uncoupling Protects the Heart Against Ischemia. *Journal of Thoracic and Cardiovascular Surgery* (in press).
- Gaudette, G.R.**, Azeloglu, E., Todaro, B.S., Keene, L., Krukenkamp, I.B., Chiang, F.P. (2002) The Application of Speckle Metrology to the Heart. *Recent Advance in Experimental Mechanics* (in press).
- Gaudette, G.R.**, Todaro, J., Krukenkamp, I.B., Chiang, F.P. (2001) Measuring Epicardial Deformation in the Regionally Ischemic Rabbit Heart. *Annals of Biomedical Engineering* 29: S-80.
- Irie, H., Krukenkamp, I.B., **Gaudette, G.R.**, Saltman, A.E., Brinkmann, J.F.F., Abumrad, N.A., Ibrahim, A. (2001) The CD36/FAT Protein is an Important Mediator of Ischemic Tolerance in the Murine Heart. *Circulation* (submitted).
- Gaudette, G.R.**, Lense, M., Todaro, B.S., Azeloglu, E., Keene, L., Saltman, A.E., Krukenkamp, I.B., Chiang, F.P. (2001) Effects of Ischemia on Epicardial Deformation in the Passive Rabbit Heart. *Journal of Biomedical Engineering* (submitted).
- Gaudette, G.R.**, Gao, J., Cohen, I.S., Mathias, R.T., Krukenkamp, I.B. (2002) Ischemic Preconditioning Protects the Heart from Membrane Current Changes Due to Ischemia. *Journal of the American College of Cardiology* 39: 323A.
- Gaudette, G.R.**, Azeloglu, A.E., Oleszak, L., Ferreri, S.L., Saltman, A.E., Krukenkamp, I.B., Chiang, F.P. (2002) Determination of Myocardial Function with High Spatial Resolution in the Regionally Ischemic Beating Rabbit Heart. *Annals of Biomedical Engineering* (submitted).
- Saltman, A.E., **Gaudette, G.R.**, **Tselentakis, E.V.**, Woodford, E.J., Chandy, J., Krukenkamp, I.B. (2002) The Topical Application of Anti-Inflammatory Drugs Prevents Postoperative Atrial Fibrillation in a Canine Model. *Journal of Thoracic and Cardiovascular Surgery* (submitted).
- Gao, J., Mathias, R.T., Cohen, I.S., Zuckerman, J., **Gaudette, G.R.**, Irie, H., Saltman, A.E., Krukenkamp, I.B. (2002) Ischemic Preconditioning Preserves the Normal Current-Voltage Relationship in Isolated Rabbit Ventricular Myocytes. *Circulation Research* (submitted).
- Madhavan, G.**, Adam E. Saltman, S.Thanikachalam. (2002) Ruling the Future.. Medical Robotics...Cutting Edge Instrumentation Aid for Surgeons, Cover Story. *ISA International-INTECH* 21 (4): 11-15.
- Madhavan, G.**, E. Chandrasekharan. (2001) Agro-Instrumentation Sensors...Modern Hydro-Environmental Samplers for Irrigation Management-Part-2. *India Region Journal for Measurement & Control, ISA International-INTECH* 20 (8): 6-13.
- Madhavan, G.**, M. Ramprasad. (2001) Miniaturizing the Future.... Some Aspects. *India Region Journal for Measurement & Control, ISA International-INTECH* 20 (10): 14-17.

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

- Kim, K., Yu, M., Zong, S.X., **Chiu, J.**, Fang, D., Seo, Y., Hsiao, B., Chu, B., Hadjiargyrou, M. (2002) Controlled Degradation of Electrospun Poly (DL-lactide) Nanofiber Membrane. *American Chemical Society Annual Fall Meeting* (submitted).
- Khalsa, P.S., **Chiu, J.**, Aliberti, N.J., Sileo, M. (2002) Biomechanical Evidence for Proprioceptive Function of Lumbar Facet Joint Capsule. *4th World Congress of Biomechanics*. Toronto, ON, Canada.
- Chiu, J.**, Kim, K., Zong, S., Hsiao, B., Chu, B., Hadjiargyrou, M. (2002) Development of a Cell-Delivery Vehicle Derived from Electrospun Non-Woven Polymeric Membranes. *Biomedical Engineering Society Fall Meeting*. Houston, TX.
- Kim, K., Yu, M., Zong, S.X., **Chiu, J.**, Fang, D., Osmani, N., Chang, C., Hsiao, B.S., Chu, B., Hadjiargyrou, M. (2001) Biodegradable Polymer Scaffold for Cell Delivery. *Stony Brook University Symposium on Complex Matter*. Stony Brook, NY.(manuscript submitted to *Journal of Biomedical Materials Research*).
- Zong, S.X., Fang, D., Kim, K., Zhang, L., **Chiu, J.**, Osmani, N., Hsiao, B.S., Chu, B., Li, S., Chen, E., Brathwaite, C. (2001) Nanofiber-structured Membranes of Bioabsorbable Polymers by Electrospinning for Medical Applications. *Stony Brook University Symposium on Complex Matter*. Stony Brook, NY.
- Chiu, J.**, Baitner, A., Khalsa, P.S. (2001) Facet Joint Capsule Strains of Human Lumbar Spine Specimens during Physiological Motions. *Proceedings from Biomedical Engineering Society Fall Meeting*. Durham, NC (manuscript in preparation).
- Garman, R.**, Lombardo, F., Hadjiargyrou, M. (2001) Identification of a Novel Fracture Repair-Specific Gene Expressed During the Early Stages of Callus Formation. *2001 BMES Annual Fall Meeting*. Durham, NC.
- Garman, R.**, Rubin, C., Judex., S. (submitted) The Structural Response of Trabecular Bone to Low-level Mechanical Stimuli. *Second Joint Meeting of BMES and IEEE-EMBS*. Houston, TX.
- Judex, S., Qin, Y.X., **Garman, R.**, Squire, M., Rubin, C., Hadjiargyrou, M. (in press) Searching for Wolff's Law: The Anabolic Potential of Low-level Mechanical Signals. *3rd International Workshop on Musculoskeletal and Neuronal Interactions*. Corfu, Greece.
- Judex, S., **Garman, R.**, Squire, M., Donahue, L., Rubin, C. (submitted) A Genetic Compensatory Mechanism for Preventing Disuse Related Bone Loss. *American Society of Bone Mineral Research*. San Antonio, TX.
- Squire, M., **Garman, R.**, Rubin, C., Judex, S. (submitted) Mechanically Induced Changes in Trabecular Bone Architecture. *Second Joint Meeting of BMES and IEEE-EMBS*. Houston, TX.
- Gaudette, G.R.** (2002) Ischemic Preconditioning Protects the Heart From Membrane Current Changes Due to Ischemia. *The American College of Cardiology 2002 - 51st Annual Scientific Session*. Atlanta, GA.
- Gaudette, G.R.**, Todaro, J., Azeloglu, E.A., Krukenkamp, I.B., Chiang, F.P. (2001) Determination of Regional Stroke Work with High Spatial Resolution in the Isolated Rabbit Heart. *Proceedings from the ASME 2001 International Mechanical Engineering Congress and Exposition – 2001 Advances in Bioengineering*.
- Irie, H., Ibrahim, A., Abumrad, N., **Gaudette, G.R.**, Saltman, A.E., Goodman, M.A., Krukenkamp, I.B. (2001) Fatty Acid Transport via CD36 is an Important Mediator of Ischemic Tolerance in the Murine Heart. *Circulation* 104 (II): 474.
- Entcheva, E., Alseikhan, B.A., **Ianuzzi, A.**, Yue, D.T., and Tung, L. (submitted) Engineering Analysis of Cardiac Electrical Activity in Response to Calmodulin Mutations. *Second Joint EMBS-BMES Conference*. Houston, TX.

- Komatsu, David**, Yang Y., Chen W. (2001) Characterization of a Novel Film for the Controlled Release of Plasmid DNA. *Biomedical Engineering Society Fall Meeting*. Durham, NC.
- Little, J., Ianuzzi, A.**, Baitner, A., **Chiu, J.**, Khalsa, P. (submitted) Altered Facet Capsule Strains as a Result of Lumbar Vertebrae Fixation. *Abstracts of the ORS*.
- Luu, Y.K.**, Kim, K., Hsiao, B. S., Chu, B., Hadjiargyrou, M. (2002) Characterization of an Electrospun Poly(lactide-co-glycolide) and Block Copolymer-based, Nanostructured Matrix for DNA Delivery. *Proceedings from Second Joint Meeting of the IEEE Engineering in Medicine and Biology Society and Biomedical Engineering Society*. Houston, TX (submitted).
- Villanueva Jr., A., **Madhavan, G.**, K.J. McLeod. (2002) Changes in Non-Linear Dynamics of Heart Rate Variability Due to Foot Based Vibration While in the Seated Position. *2nd Joint Meeting Of IEEE Embs and Bmes*. Houston, TX.
- Madhavan, G.** (2002) A Real-Time Adaptive and Predictive Intelligent Temperature Controller for a Confectionery Calendria Milk Processing Unit. *AMSE 2002 Congress International Conference on Modeling and Simulation in Social and Technical Sciences*. Spain (in press).
- Madhavan, G.**, A. Villanueva Jr., K.J. McLeod. (2002) Frequency Dependent Response of Cardio-Vascular System Due to Foot Based Vibration While in the Seated Position. Post-Doctorates Obtained and Professional Appointments. *2nd Joint Meeting Of IEEE Embs and Bmes*. Houston, TX.
- Madhavan, G.**, K. Santhosh Kumar, S. Thanikachalam. (2001) Intelligent Electrotherapeutic Nerve Stimulation by New Copper Metallica Electrodes. *BMES Annual Fall Conference and Meeting; Annals of Biomedical Engineering 29* (1): S-130.
- Madhavan, G.** (2001) A Real-Time Embedded Intelligence Temperature Control Scheme for a Confectionery Batch Cooker. *Proceedings from the IEEE 3rd International Conference On Control Theory & Applications (ICCTA '01)*. South Africa. ISBN: 981-04-4794-9.
- Saldanha, A.**, Qin, Y.C., and Khalsa, P.S. (2002) Finite Element Analysis of Mechanical States in Human Lumbar Facet Joint Capsule. *Annals of Biomedical Engineering 30* (S1).

❖ Post-Doctorates Obtained and Professional Appointments

- Madhavan, G.** (2002) Secretary. BMES Chapter, *Stony Brook University*, Stony Brook, NY.
- Madhavan, G.** (2001) Reviewer. *IEEE Potentials Magazine*, Piscataway, NJ.
- Madhavan, G.** (2001) Research Associate. Sri Ramachandra Medical College and Research Institute, *Deemed University*, Chennai, TN/India.

❖ Internship Appointments

- Madhavan, G.** (2002) Summer Intern. Bioelectromagnetics Research Laboratory, Department of Orthopaedics and Biomedical Engineering, School of Medicine, *Stony Brook University*, Stony Brook, NY.
- Villanueva, A.** (2002) Summer Intern. *Brookhaven National Laboratory*, Brookhaven, NY.
- Rana, S.** (2002) Summer Intern. *Beckton Dickinson Corp.*, NC.
- Kulkarni, A.** (2002) Summer Intern. Cornerstone Pharmaceuticals.
- Xia, Yi** (2002) Summer Intern. Acoustic Scan.

❖ **Other**

Madhavan, G. (2002) Finalist, Young Investigator Award. *American Association for Advancement in Medical Instrumentation*. Minneapolis Annual Fall Conference of AAMI. Minneapolis, MN.

Madhavan, G. (2002) Candidate Member of the American College of Clinical Engineering (*ACCE*)
Plymouth Meeting, PA

CHEMISTRY

GRADUATE DIRECTOR: PETER TONGE

DEPARTMENT CHAIR: IWAO OJIMA

❖ Grants, Fellowships, and Awards

Banerjee, Sarbajit. (2001) Sigma Xi Grants in Aid of Research, \$500. *Sigma Xi Scientific Research Society*, Research Triangle Park, NC.

Lightstone, J. (2002) Grant to 52nd Meeting of the Nobel Laureates in Lindau, Germany, Full Support. *U.S. Department of Energy*, Germantown, MD.

❖ Jointly Authored Publications/Research Reports/Reviews

Banerjee, Sarbajit, Wong, S.S. (2002) Functionalization of Carbon Nanotubes with a Metal-Containing Molecular Complex. *Nano Letters 2*: 49-53.

Banerjee, Sarbajit, Wong, S.S. (2002) Synthesis and Characterization of Carbon Nanotube-Nanocrystal Heterostructures. *Nano Letters 2*: 195-200.

Ojima, Iwao, **Geng, Xudong,** Lin, Songnian, Pera, Paula, Bernacki, Ralph J. (2002) Design, Synthesis and Biological Activity of Novel C2-C3' N-Linked Macrocyclic Taxoids. *Bioorganic & Medicinal Chemistry Letters 12*: 349-352.

Crabtree, Donald. V., Ojima, Iwao., **Geng, Xudong,** Adler, Alice J. (2001) Tubulins in the Primate Retina: Evidence that Xanthophylls May Be Endogenous Ligands for the Paclitaxel-Binding Site. *Bioorganic & Medicinal Chemistry 9*: 1967-1976.

Chibale, Kelly, Ojima, Iwao, Haupt, Hayley, **Geng, Xudong,** Pera, Paula., Bernacki, Ralph J. (2001) Modulation of Human Mammary Cell Sensitivity to Paclitaxel by New Quinoline Sulfonamides. *Bioorganic & Medicinal Chemistry Letters 11*: 2457-2460.

Ojima, Iwao, Kuduk, Scott D., Chakravarty, Subrata, Lin, Songnian, Wang, Tao, **Geng, Xudong,** Miller, Michael L., Bounaud, Pierre-Yves, Michaud, Evelyne, Park, Young Hoon, Sun, Chung-Ming, Slater, John C., Inoue, Tadashi, Borella, Christopher P., Walsh, John J., Bernacki, Ralph J., Pera, Paula, Veith, Jean M., Bombardelli, Ezio, Riva, Antonella, Rao, Srinivasa, He, Lifeng, Orr, George A., Horwitz, Susan B., Danishefsky, Samuel J., Scambia, Giovanni, Ferlini, Cristiano. (2001) New Generation Taxoids and Hybrids of Microtubule-Stabilizing Anticancer Agents. *Symposium Series 796*: 59-80.

He, X., Bell, A.F., Tonge, P.J. (2002) Isotopic Labeling and Normal Mode Analysis of a Model Green Fluorescent Protein Chromophore. *J. Phys. Chem. B* (in press).

He, X., Bell, A.F., Tonge, P.J. (2002) Synthesis and Spectroscopic Studies of Model Red Fluorescent Protein Chromophores. *Org. Lett.* ASAP Article.

Bell, A.F., **He, X.,** Ridge, J.P., Hanson, G.R., McEwan, A.G., Tonge, P.J. (2001) Active Site Heterogeneity in Dimethyl Sulfoxide Reductase from *Rhodobacter capsulatus* Revealed by Raman Spectroscopy. *Biochemistry 40* (2): 440-448.

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

- Banerjee, Sarbajit**, Wong, S.S . (2001) Nanotube Functionalization with a Metal Complex. *XV Intly Symposium of the Center for Gene Structure and Function*. Hunter College, New York, NY: Outstanding Poster Award.
- Wu, Xinyuan, **Geng, Xudong**, Borella, Christopher P., Hung, Christina, Beiger, Jason, Ojima, Iwao. (2002) Design and Synthesis of Novel Taxoid-Porphyrin Anticancer Conjugates. *223rd ACS National Meeting*. Orlando, FL.
- Gallagher, David J., Qu, Chuanxing, **Geng, Xudong**, Pera, Paula, Bernacki, Ralph J., Ojima, Iwao. (2001) Design, Synthesis, and SAR Studies of 3' N Modified Second-Generation Taxoids. *222nd ACS National Meeting*. Chicago, IL.
- Wang, Tao, Lin, Songnian, Wu, Xinyuan, **Geng, Xudong**, Ojima, Iwao. (2001) Synthesis of Amino/Aza-sugers and Their Derivatives Through Efficient Ring Expansion of .beta.-lactams. *American Chemistry Society*.
- Rosconi, M., Zhao, G., **Hayashibara, M.**, Wang, J., London, E. (2002) Progress in Characterizing the Membrane Topography and Translocation of Diptheria Toxin T Domain and A Chain. *Biophysical Society 46th Annual Meeting*. San Francisco, CA.
- Lightstone, J.**, Mann, H., Wu, M., Johnson, P., White, M. (2002) Gas Phase Production of Molybdenum Alloy Nanoparticles. *American Physical Society*. Indianapolis, IN.

COMPUTER SCIENCE

GRADUATE DIRECTOR: MICHAEL KIFER

DEPARTMENT CHAIR: ARIE KAUFMAN

❖ Grants, Fellowships, and Awards

Frank, Susan. (2001-2002) CES Fellowship, \$2000. *CES Inc.*

Fuxiang, Yu. (2000-2002) Renaissance Fellowship, \$6500/year. *Renaissance Company.*

Lloyd, Levon. (2002) AT&T Labs Fellowship Program, \$2,000/year. *AT&T Labs*, Florham Park, NJ.

Yang, Guizhen. (2002) Catacosinos Fellowship, \$5000. *Catacosinos Foundation*, New York, NY.

Welsh, T. (2001) Long Island Software Award, \$5000. *Listnet.org*, Great River, NY.

Welsh, T. (2000-2001) Computer Science, Engineering and Mathematics (CSEM) Scholarship (2001), \$2500 per year. *NSF.*

❖ Jointly Authored Publications/Research Reports/Reviews

Fernandes, R.J., and Skiena, S.S. (2002) Microarray Synthesis Through Multiple-Use PCR Primer Design. *Bioinformatics 18*: S128-S135.

Joukov, N., Hashimoto, Y., Semenov, V. (2002) Matching Josephson Junctions with Microstrip Lines for SFQ pulses and Weak Signals. *IEICE TRANS. ELECTRON. e85-c (3)*: 636-640.

Sengupta, Bikram, and Cleaveland, Rance. (2002) Triggered Message Sequence Charts. Proceedings of ACM SIGSOFT 2002, 10th International Symposium on the Foundations of Software Engineering (FSE-10). Charleston, SC.

Volkow, N., W. Zhu, C. Felder, K. Mueller, **T. Welsh**, G.J. Wang, and M. de Leon. (2002) Changes in Brain-Functional Homogeneity in Subjects with Alzheimer's Disease. *Journal of Psychiatry Research: Neuroimaging 114 (1)*: 39-50.

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

Basu, S., Kumar, K.N., Pokorny, R.L., Ramakrishnan, C.R. (2002) Resource Constrained Model Checking for Push-down Systems. *Tools and Algorithms for the Construction and Analysis of Systems.* Grenoble, France: LNCS.

Basu, S., Ramakrishnan, C.R., Ramakrishnan, I.V., Mukund, M., Verma, R. (2001) Local and Symbolic Bisimulation using Tabled Constraint Logic Programming. *Seventh International Conference on Logic Programming.* Cyprus, Paphos: LNCS.

Basu, S., Smolka, S.A., Ward, O.R. (2000) Model Checking The Java Meta-locking Algorithm. *International Conference and Workshop on the Engineering of Computer-based Systems.* Edinburgh, Scotland.

Frank, Susan, and **Kaufman, Arie.** (2002) Dependency Graph Scheduling in a Volumetric Ray Tracing Architecture. *Siggraph/Eurographics Workshop on Graphics Hardware 2002.* Saarbruecken, Germany.

Liu, Yanhong A. and Fuxiang Yu. (2002) Solving Regular Path Queries. 6th International Conference On Mathematics of Program Construction. Schloss Dagstuhl, Germany.

- Liu, Yanhong A., and **Fuxiang Yu**. (2002) Solving Regular Path Queries. *New England Programming Language Seminar*. Yale University, New Haven, CT.
- Liu, Yanhong A., and **Fuxiang Yu**. (2002) Solving Regular Path Queries. *Proceedings of the 6th International Conference On Mathematics of Program Construction; Lecture Notes in Computer Science 2386*: 195-208. Schloss Dagstuhl, Germany: Springer-Verlag.
- Chiueh, T., and **Huang, L.** (2002) Trail: Track-Based Logging. *Proceedings of the 2002 International Conference on Dependable Systems and Networks (DSN 2002)*. Washington, D.C.
- Huang, L.**, and Chiueh, T. (2001) Charm: An I/O-Driven High-Performance Transaction Processing System. *Proceedings of the 2001 USENIX Annual Technical Conference (USENIX 2001)*. Boston, MA.
- Shriver, E., Gabber, E., **Huang, L.**, and Stein, C. (2001) Storage Management for Web Proxies. *Proceedings of the 2001 USENIX Annual Technical Conference (USENIX 2001)*. Boston, MA.
- Neophytou, N.**, and K. Mueller. (2002) Space-Time Points: Splatting in 4D. *Proceedings from Symposium on Volume Visualization and Graphics 2002*. Boston, MA.
- Ray, Arnab.** (2002) Evidence Based Model Checking (Presented in lieu of Li Tan and Cleaveland Rance). *Computer Aided Verification (CAV)*. Copenhagen, Denmark.
- Uppuluri, Prem, R. Sekar.** (2001) Experiences with Specification Based Intrusion Detection System. *RAID 2001*. Davis, CA: *LNCS 221*.
- Welsh, T.**, Ashikhmin, M., Mueller, K. (2002) Transferring Color to Grayscale Images. *ACM Transactions on Computer Graphics (Proceedings of ACM SIGGRAPH 2002)*. *SIGGRAPH 2002*. San Antonio, TX.
- Welsh, T.**, Mueller, K., Zhu, W., Volkow, N., Meade, J. (2001) Graphical Strategies to Convey Functional Relationships in the Human Brain: A Case Study. *Proceedings of IEEE Visualization 2001; Proceedings of SPIE: Medical Imaging 2001*.
- Yang, Guizhen,** Michael Kifer. (2002) Well-Founded Optimism: Inheritance in Frame-Based Knowledge Bases. *International Conference on Ontologies, DataBases, and Applications of Semantics for Large Scale Information Systems*. Irvine, CA.
- Yang, Guizhen,** Michael Kifer. (2002) On the Semantics of Anonymous Identity and Reification. *International Conference on Ontologies, DataBases, and Applications of Semantics for Large Scale Information Systems*. Irvine, CA.

❖ Internship Appointments

- Fernandes, R.J.** (2002) Intern. *InVision Inc*, New York, NY.
- Ray, Arnab.** (2001) Research Scholar. *REACT Research Group*, Computer Science Department, Stanford University, Palo Alto, CA.
- Mukherjee, Saikat.** (2002) Summer Intern. *IBM T.J. Watson Research Center*, NY.

❖ Software Developed

- Frank, Susan.** (2001-2002) Scheduler for a Ray Tracing Architecture. Create a Cell Dependency Graph to Represent All Ray-Cell Dependencies for a Ray Tracing Architecture, Which is Used to Determine a Near-Optimal Schedule for Subsequent Frame in a Sequence of Similar Frames. Center for Visual Computing, Computer Science Department, *Stony Brook University*, Stony Brook, NY.

COMPUTER SCIENCE

Yang, Guizhen. (2000-2002) FLORA-2. A sophisticated system for knowledge representation and reasoning, which provides a high-productivity environment for developing knowledge-intensive software systems. Computer Science Department, *Stony Brook University*, Stony Brook, NY.

ECOLOGY AND EVOLUTION

GRADUATE DIRECTOR: MANUEL LERDAU

DEPARTMENT CHAIR: WALTER F. EANES

❖ Grants, Fellowships, and Awards

- Aguirre, Windsor E.** (2001) Lerner-Gray Fund for Marine Research Award. *American Museum of Natural History*, New York, NY.
- Aguirre, Windsor E.** (2001) North Carolina State University Summer Institute in Statistical Genetics Scholarship, *North Carolina State University*, Raleigh, NC.
- Alt, Aya K.** (2001) Libbie Hyman Memorial Scholarship. *Society for Integrative and Comparative Biology*, McLean, VA.
- Alt, Aya K.** (2001) Friday Harbor Laboratories Educational Award. *Friday Harbor Laboratories*, Friday Harbor, WA.
- Ashton, Isabel.** (2002) New England Botanical Club Graduate Student Research Award. *The New England Botanical Club/Harvard University Herbaria*, Cambridge, MA.
- Brown, Nina.** (2002) Doctoral Dissertation Improvement Grant. *National Science Foundation*, Arlington, VA.
- Brown, Nina.** (2001) Sokal Endowment Award. *Stony Brook University*, Stony Brook, NY.
- Bharathan, G., Miyazaki, J., and **Brown, Nina.** (2001) Presidential Mini-Grant for Innovative Teaching Projects. *Stony Brook University*, Stony Brook, NY.
- Fang, Wei.** (2001) Predoctoral Award. *American Women in Sciences Educational Foundation*, Washington, D.C.
- Fang, Wei.** (2001) Sokal Endowment Award. *Stony Brook University*, Stony Brook, NY.
- Funk, Jennifer L.** (2002) Doctoral Dissertation Improvement Grant. *National Science Foundation*, Arlington, VA.
- Gassmann, Aaron J.** (2002) Doctoral Dissertation Improvement Grant. *National Science Foundation*, Arlington, VA.
- Gassmann, Aaron J.** (2001) Grant-in-Aid of Research. *Sigma Xi*, Research Triangle Park, NC.
- Gassmann, Aaron J.** (2001) Grant-in-Aid of Research. *Sigma Xi*, Research Triangle Park, NC.
- Karpanty, Sarah.** (2002) Doctoral Dissertation Improvement Grant. *National Science Foundation*, Arlington, VA.
- Karpanty, Sarah.** (2002) Association of Zoological Horticulture Conservation Grant. *Ranomafana Reforestation and Education*, Madagascar.
- McGlynn, Catherine A.** (2001) National Estuarine Research Reserve Graduate Fellowship. *NOAA/NERR*, Washington, D.C.
- Schoville, Sean.** (2001) Jewell and H.T. Bonner Fellowship. *Center for Reproduction of Endangered Species, San Diego Zoological Society*, San Diego, CA.
- Vogel, Erin.** (2001) Doctoral Dissertation Improvement Grant. *National Science Foundation*, Arlington, VA.

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

Gibbs, A.G., and **L.M. Matzkin**. (2001) Evolution of Water Balance in the Genus *Drosophila*. *Journal of Experimental Biology* 204: 2331-2338.

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

Bell, M.A., **Aguirre, Windsor E.**, Buck, N.J. (2002) Twelve Years of Rapid Evolution in a Threespine Stickleback Population. *American Society of Ichthyologists and Herpetologists Meeting*. Kansas City, MO.

Aguirre, Windsor E. (2001) Notes on Otolith Morphology and Ontogeny of *Cynoscion* spp. (Teleostei: Sciaenidae). *American Society of Ichthyologists and Herpetologists Meeting*. Pennsylvania State University, State College, PA.

Allen, Bengt J., and Levinton J.S. (2002) Fiddler Crab Fitness: Exercise and the Cost of Sex. *Benthic Ecology Meeting*. Florida State University, Tallahassee, FL.

Brown, Nina and Raguso R. (2002) The Dilemma of Attracting Pollinators and Avoiding Herbivores in *Cirsium arvense*. *Gordon Research Conference on the Biology, Chemistry and Evolution of Floral Scent*. Ventura, CA.

Fang, Wei. (2001) Assessing the Impact of Norway Maple on Natural Forest Communities. *Proceedings of 12th USDA Interagency Research Forum on Gypsy Moth and Other Invasive Species*. Annapolis, MD.

Fang, Wei. (2001) Community and Ecosystem Impacts of the Invasive Tree *Acer platanoides* in Natural Forest. *Ecological Society of America, 86th Annual Meeting*. Madison, WI.

Fang, Wei. (2001) Is Norway maple a Threat to Natural Forests. *TNC Mid-Atlantic Exotic Pest Plant Council (MA-EPPC) Conference*. Swarthmore College, Swarthmore, PA.

Fang, Wei. (2001) Assessing the Community and Ecosystem Impacts of Norway Maple Invasion on Natural Forests. *Department of Biology, West Virginia University*. Morgantown, WV.

Funk, Jennifer L., Mak J.E., and Lerdau, M.T. (2001) Examining the Role of Multiple Carbon Sources in Isoprene Synthesis in Plants Using Stable Isotope Techniques. *American Geophysical Union*. San Francisco, CA.

Funk, Jennifer L., Giardina, C.P., Jones, C.G., and Lerdau, M.T. (2001) Effects of Fertilization on Isoprene Emission from Field-Grown Eucalyptus. *Ecological Society of America, 86th Annual Meeting*. Madison, WI.

Funk, Jennifer L. (2001) Variation in the Basal Rate of Isoprene Emission. *EPA STAR Graduate Fellowship Conference*. Washington, D.C.

Gassmann, Aaron J. (2001) Effects of a Photosynthetic Mutation on Resistance to Herbivores and Tolerance of Damage in *Amaranthus hybridus* (Amaranthaceae). *Brookhaven National Laboratory*. Brookhaven, NY.

Gassmann, Aaron J. (2001) Trade-offs in Resistance: How Resistance to Herbicide Affects Susceptibility to Herbivores. *Annual Meeting of the Society for the Study of Evolution*. Knoxville, TN.

Hinman, Katherine E. (2001) Nectar-feeding Bats and Agaves in Southeastern Arizona: Obligate Mutualists or Ruthless Opportunists? *North American Symposium on Bat Research*. British Columbia, Canada.

Hinman, Katherine E. (2001) Nectar-feeding Bats and Agaves in Southeastern Arizona: Obligate Mutualists or Ruthless Opportunists? *Leptonycteris and Agave Symposium*. Tuscon, AZ.

- Matzkin, L.M.** (2002) Molecular Evolution and Subfunctionalization of Alcohol Dehydrogenase Paralogues in Cactophilic *Drosophila*. *Annual Drosophila Research Conference sponsored by the Genetics Society of America*. San Diego, CA.
- Matzkin, L.M.** (2001) Molecular Evolution of Alcohol Dehydrogenase Aralogues in Cactophilic *Drosophila*. *Annual Meeting of the Society of the Study of Evolution*. Knoxville, TN.
- McGlynn, Catherine A.** (2002) The Effects of Invasive Plants on Native Fauna: A Null Result. *First Phragmites Technical Forum and Workshop*. Cumberland College, Vineland, NJ.
- Sezgin, E.,** and W.F. Eanes. (2001) Sequence Variation of Metabolic Pathway Genes in *Drosophila Melanogaster*. *Annual Meeting of the Society of the Study of Evolution*. Knoxville, TN.
- Throop, Heather.** (2002) Linking Nitrogen Deposition and Herbivory: Implications for Insects, Plants, and Ecosystems. *Beloit College*, Beloit, WI.
- Throop, Heather.** (2001) Assessing the Combined Influences of Atmospheric Nitrogen Deposition and Insect Herbivory on Plants and Ecosystem Processes. *European Science Foundation Workshop: Manipulation Herbivory for Biodiversity-Ecosystem Function Experiments*. Grosskochberg, Germany.
- Throop, Heather,** Manuel Lerdau, Megan O'Rourke. (2001) Influences of Nitrogen Deposition on an Annual Plant: Integrating Resource Availability and Herbivory. *Ecological Society of America, 86th Annual Meeting*. Madison, WI.

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

- Fang, Wei.** (2002) Meta-analysis Consultant, in the workshop of "A Cross Site Synthesis of Forest Ecosystem Response to Elevated Atmospheric N Deposition." *The Marine Biological Laboratory*, Woods Hole, MA.
- Hinman, Katherine E.** (2002) Bat Project Coordinator. *Arizona Game and Fish Department*, Phoenix, AZ.
- Uchiaoco, Andre J.** (2002) Project Leader Economic Value of Coral Reef Biodiversity Project. *Total Elf Corporate Foundation* and by the *University of the Philippines Marine Science Institute* and the *Nha Trang Institute of Oceanography*, Philippines.

ECONOMICS

GRADUATE DIRECTOR: THOMAS MUENCH

DEPARTMENT CHAIR: WILLIAMS DAWES

❖ Grants, Fellowships, and Awards

Zapechelnyuk, Andriy. (2001) Global Supplementary Grant, \$1100. *Open Society Institute: Global Supplementary Grant Program*, New York, NY.

❖ Singly Authored Publications/Research Reports/Reviews

Sen, Debapriya. (2002) Monopoly Profit in a Cournot Oligopoly. *Economics Bulletin* 4 (6): 1 -6.

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

Heiland, Frank. (in press) The Collapse of the Berlin Wall – Simulating State-Level East to West German Migration Patterns. *Agent-Based Computational Demography*. F. Billari, and A. Prskawetz, Eds. Berlin: Physica Verlag.

Heiland, Frank. (2002) A Dynamic Analysis of Women’s Labor Supply, Fertility, Child Health and Cognitive Development. *The North American Summer Meeting of The Econometric Society*. UCLA, Los Angeles, CA.

Heiland, Frank. (2001) The Economic Determinants of East-West German Labor Force Migration after the Fall of the Wall. *52nd International Atlantic Economic Conference*. Philadelphia, PA.

Heiland, Frank. (2001) Measuring the Value of Children by Birth Order and Infant Health. *52nd International Atlantic Economic Conference*. Philadelphia, PA.

Liu, Qihong. (2001) Endogenous Acquisition of Information on Consumer’s Willingness to Pay in a Product Differentiated Duopoly. *Western Economic Association Conference*.

Liu, Qihong. (2002) Quality of Information and Oligopolistic Price Discrimination. *North American Summer Meeting of the Econometric Society*.

Reznik, Gayle. (2002) College Major and the Gender Wage Gap: A Look at the 1990s. *42nd Annual AIR Forum*. Toronto, Ontario, Canada.

Reznik, Gayle. (2002) The Narrowing of the Gender Wage Gap between the 1980s and 1990s: The Role of College Major and Returns to Education. *Eastern Economic Association Annual Conference*. New York, NY.

Zapechelnyuk, Andriy, and Y. Tauman. (2002) Power and a Ruler. *Graduate Students Seminars*. Department of Economics, Stony Brook University, Stony Brook, NY.

Zapechelnyuk, Andriy, P. Dubey, and O. Haimanko. (2002) Games of Strategic Substitutes and Potential Games. *Department of Economics*. Stony Brook University, Stony Brook, NY.

Zapechelnyuk, Andriy, and Y. Tauman. (2002) Power and a Ruler. *International Conference on Game Theory*. Center for Game Theory in Economics, Stony Brook University, Stony Brook, NY.

Zapechelnyuk, Andriy, P. Dubey, and O. Haimanko. (2002) Games of Strategic Substitutes and Potential Games. *International Conference on Game Theory*. Center for Game Theory in Economics, Stony Brook University, Stony Brook, NY.

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

Heiland, Frank. (Fall 2002) Assistant Professor. Economics Department, *Florida State University*, Tallahassee, FL.

Mathews, Timothy. (2002) Assistant Professor of Economics. *California State University at Northridge*, Northridge, CA.

Namoro, Soiliou Daw. (2002) Visiting Assistant Professor of Economics. *University of Pittsburgh*, Pittsburgh, PA.

ELECTRICAL AND COMPUTER ENGINEERING

GRADUATE DIRECTOR: YUAN YUAN YANG

DEPARTMENT CHAIR: SERGE LURYI

❖ Grants, Fellowships, and Awards

Li, L. (2002) Student Travel Award, \$650. *International Society of Magnetic Resonance in Medicine*, Berkeley, CA.

❖ Jointly Authored Publications/Research Reports/Reviews

Chen, D., Z. Liang, M. Wax, **L. Li**, K. Kreeger, B. Li, and A. Kaufman. (2001) Virtual Colonoscopy: Extracting Colon Lumen from CT Images. *Medical Imaging International 11* (4): 6-9.

Li, X., G. Han, H. Lu, **L. Li**, and Z. Liang. (2001) A New Scatter Estimation Method Using Triple Window Acquisition to Fit Energy Spectrum. *Journal of Nuclear Medicine*.

Lu, H., D. Chen, **L. Li**, G. Han, and Z. Liang. (2001) A Combined Transformation of Ordering SPECT Sinograms for Signal Extraction from Measurements of Poisson Noise. *SPIE Medical Imaging 4322*: 943-951.

Lu, H., J. Cheng, Guoping Han, **L. Li**, and Z. Liang. (2001) A 3D Distance-Weighted Wiener Filter for Poisson Noise Reduction in Sinogram Space for SPECT Imaging. *SPIE Medical Imaging 4320*: 905-913.

Chen, D., W. Huang, C. Christodoulou, **L. Li**, H. Qian, L. Krupp and Z. Liang. (2001) A New Method for Quantitative Analysis of Multiple Sclerosis Using MR Images. *SPIE Medical Imaging 4321*: 375-380.

Chen, D., Z. Liang, M. Wax, **L. Li**, B. Li, and A. Kaufman. (2000) A Novel Approach to Extract Colon Lumen from CT Images for Virtual Colonoscopy. *IEEE Transactions on Medical Imaging 19* (12): 1220-1226.

Li, L., G. Han and Z. Liang. (2000) Investigation of a New Scatter Estimation Method from Triple Energy Window Acquisition. *Journal of Nuclear Medicine 41*: 193.

Lu, H., G. Han, D. Chen, **L. Li** and Z. Liang. (2000) A Theoretically Based Approach to Noise Reduction in SPECT by Anscombe and K-L Transforms and Adaptive Wiener Filter. *Journal of Nuclear Medicine 41*: 198.

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

Li, L., D. Chen, S. Lakare, A. Kaufman, M. Wax, and Z. Liang. (2002) An Image Segmentation Approach to Extract Colon Lumen Through Colonic Material Tagging and Hidden Markov Random Field Model for Virtual Colonoscopy. *SPIE Medical Imaging 4683*. San Diego, CA.

Li, L., X. Li, W. Huang, C. Christodoulou, D. Chen, A. Tudorica, P. Djuric, L. Krupp and Z. Liang. (2002) A Novel Mixture-Based Segmentation Algorithm for Quantitative Analysis of Multiple Sclerosis Using Multi-Spectral MR Images. *Proc. Soc. Magnetic Resonance Medicine*. Honolulu, HI.

Lakare, S., D. Chen, **L. Li**, A. Kaufman, M. Wax, and Z. Liang. (2002) Electronic Colon Cleansing Using Segmentation Rays for Virtual Colonoscopy. *SPIE Medical Imaging*. San Diego, CA.

Li, L., D. Chen, Z. Liang and H. Lu. (2001) Segmentation of MR Brain Images: A Self-Adaptive Vector Quantization Approach. *SPIE Medical Imaging 4322*: 1431-1438.

- Li, L.,** D. Chen, H. Lu and Z. Liang. (2001) Comparison of Quadratic and Linear Discriminate Analyses in the Self-Adaptive Feature Vector Quantization Scheme for MR Image Segmentation. *Proc. Soc. Magnetic Resonance Medicine*. Glasgow, Scotland, UK.
- Chen, D., W. Huang, C. Christodoulou, **L. Li**, D. Yoon, A. Tudorica, P. Roche, W. Scherl, R. Peyster, C. Roque, P. Melville, V. Geronimo, L. Krupp and Z. Liang. (2001) Quantitative Analysis of Multiple Sclerosis by Segmentation of Multi-Spectral Volumetric MR Images. *Proc. Soc. Magnetic Resonance Medicine*. Glasgow, Scotland, UK.
- Chen, D., **L. Li**, D. Yoon, and Z. Liang. (2001) A Renormalization Method for Inhomogeneity Correction of MRI Data. *SPIE Medical Imaging 4322*: 939-942.
- Lu, H., G. Han, D. Chen, **L. Li** and Z. Liang. (2000) A Theoretically Based Pre-reconstructing Filter for Spatio-Temporal Noise Reduction in Gated Cardiac SPECT. *IEEE Nuclear Science Symposium and Medical Imaging Conference*. San Diego, CA.
- Chen, D., **L. Li**, M. Wax, B. Li, A. Kaufman and Z. Liang. (2000) Electronic Colon Cleansing by Colonic Material Tagging and Image Segmentation for Virtual Colonoscopy: Method Evaluation. *IEEE Nuclear Science Symposium and Medical Imaging Conference*. San Diego, CA.
- Qin, X.,** and Yang, Y. (2002) A Cost-Effective Construction for WDM Multicast Switching Networks. *Proceedings of IEEE 2002 International Conference on Communications (ICC '02)*. New York, NY.
- Qin, X.,** and Yang, Y. (2002) Optical Crossconnect Architectures for Wavelength Routed WDM Networks. *Proceedings of 6th International Conference on Computer Science and Informatics*. Durham, NC: 290-294.
- Qin, X.,** and Yang, Y. (2001) Nonblocking WDM Switching Networks with Full and Limited Wavelength Conversion. *Proceedings of 10th IEEE International Conference on Computer Communications and Networks (IC3N '01)*. Phoenix, AZ: 48-54.
- Qin, X.,** and Yang, Y. (2001) Permutation Capacity of WDM Switching Networks with Limited Wavelength Conversion. *Proceedings of ICPP '01 Workshop on Optical Networks*. Valencia, Spain: 271-276.
- Xing, Y., Hsiao, I.T., Gindi, G.** (2001) Efficient Calculation of Resolution and Variance in 2-D Circular-Orbit SPECT. *IEEE Nuclear Science Symposium and Medical Imaging Conference*. San Diego, CA.

❖ Patents

- Liang, Z., Wang, Z., and Li, L.** (2001) Computer-Aided Diagnosis by Mixture-Based Image Segmentation, Texture Analysis and Feature-Based Volumetric Rendering. Technology Disclosure (patent pending).

ENGLISH

GRADUATE DIRECTOR: SUSAN SCHECKEL

DEPARTMENT CHAIR: PETER MANNING

❖ Grants, Fellowships, and Awards

Hatwalkar, Kavita S. (2002) Kenneth F. Meyer Graduate Award in English Studies, \$200. *English Department, Stony Brook University*, Stony Brook, NY.

Keller, Jim. (2001-2002) SUNY Teaching Postdoctoral Fellowship. *Stony Brook University*, Stony Brook, NY.

Machado, E. (2001) W. Burghardt Turner Fellowship Summer Research Grant, \$500. *W. Burghardt Turner Fellowship Program, Stony Brook University*, Stony Brook, NY.

Machado, E. (2001) Alan Babich Prize for Excellence in Teaching, \$400. *English Department, Stony Brook University*, Stony Brook, NY.

Machado, E. (2001) Special Recognition Appreciation Award. *Graduate Student Organization, Stony Brook University*, Stony Brook, NY.

Pandey, Beerendra. (1999-2003) Full Teaching Assistantship to Complete the PhD. Degree. *Stony Brook University*, Stony Brook, NY.

Warshauer, Leanne. (2002) Individual Development Award, \$480. *United University Professions, Stony Brook University*, Stony Brook, NY.

❖ Singly Authored Publications/Research Reports/Reviews

Keller, Jim. (2002) Language as Visible Vapor: 'Writing Through' Lyn Hejinian and Teaching 'Happily.' *The Challenge of the Contemporary: Poetry and Pedagogy*. Retallack and Spahr, Eds. Bedford / St. Martin's (forthcoming).

Keller, Jim. (2002) Delmore's Strange Times. *The Middle Generation of American Poetry*. Dobleman and Haralson, Eds. (forthcoming).

Keller, Jim. (2001) Louis Simpson. *The Encyclopedia of American Poetry*. Eric Haralson, Ed. Fitzroy Dearborn.

Machado, E. (2001) Women, Culture and Difference: An Introduction to Women's Studies. *American Women Writers of Color Syllabus Exchange 2: 1996-2001*; Ocean City: Salisbury University: F9-F21.

Shaiman, Maureen Langdon. (2002) Marge Piercy. Sourcebook of Contemporary American Women Poets. Catherine Cucinella, Ed. Greenwood Press (forthcoming).

❖ Jointly Authored Publications/Research Reports/Reviews

Singh, Sukhbir, and **Pandey, Beerendra.** (in press) *Recent Perspectives on Twentieth Century American Fiction*. Delhi: B.R. Publishing Corp.

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

- Keller, Jim.** (2001) Avatars of Aztlan: Plural-World Poetries in the Chicano Movement. *International Association of Philosophy and Literature*. Spelman College, Atlanta, GA.
- Machado, E.** (2002) Puerto Rico, U.S.A.: 'Statehood-ing' Puerto Rican Literature in Rosario Ferré's *House on the Lagoon*. *V Congreso de Estudiantes Graduados*. Brown University, Providence, RI.
- Machado, E.** (2001) 'Statehood-ing' Puerto Rican Literature: Engaging the U.S. Canon in Rosario Ferré's *House on the Lagoon*." *Ninth National American Women Writers of Color Conference*. Salisbury University, Ocean City, MD.
- Pandey, Beerendra.** (2002) Nailing Gandhi for Cracking India: Representation of Violence in South Asian Partition Fiction in English. *The Speakable, the Unspeakable and the Politics of Listening, the Ethics of Confronting the Real*. New York University, New York, NY.
- Warshauer, Leanne.** (2002) WAC Myths and Feminist Realities. *Conference on College Composition and Communication*. Chicago, IL.
- Warshauer, Leanne.** (2002) Assessing the Second Wave of WAC: What Can We Learn from Feminist Pedagogies? *National Writing Across the Curriculum Conference*. Rice University, Houston, TX.

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

- Barnes, Andrew.** (2002) Assistant Professor. *William Patterson College*, NJ.
- Bradshaw, Melissa.** (2002) Assistant Professor of Interdisciplinary Humanities. *Barat College of DePaul University*, Chicago, IL.
- Brown-Rose, Josie.** (2002) Turner Post-doctoral Fellow. *Stony Brook University*, Stony Brook, NY.
- Frangos, Jennifer.** (2002) University Learning Communities Faculty Fellow. *Stony Brook University*, Stony Brook, NY.
- Keller, Jim.** (2002) Part-time Teaching Faculty and Workshop Organizer (poetry in translation). *Bard College's Institute for Writing and Thinking*, Annandale-on-Hudson, NY.
- Machado, E.** (2001-2002) Member. Undergraduate Program Committee, English Department, *Stony Brook University*, Stony Brook, NY.
- Machado, E.** (2001-2002) Undergraduate Assistant Director and Advisor. English Department, *Stony Brook University*, Stony Brook, NY.
- Reed, Dorothy.** (2002) Assistant Professor of English and Journalism. *C.W.Post* (Long Island University), NY.
- Pepper Thomas.** (2002) Post-doctoral Fellow. *Stony Brook University*, Stony Brook, NY.

GENETICS

GRADUATE DIRECTOR: J. PETER GERGEN

❖ Grants, Fellowships, and Awards

Carmell, Michelle. (2001) U.S. Army Breast Cancer Research Program Predoctoral Traineeship Award, \$66,000. *U.S. Army Medical Research and Materiel Command Congressionally Directed Medical Research Programs*, Fort Detrick, MD.

Seger, Yvette R. (2001) U.S. Army Breast Cancer Research Program Predoctoral Traineeship Award, \$66,000. *U.S. Army Medical Research and Materiel Command Congressionally Directed Medical Research Programs*, Fort Detrick, MD.

❖ Singly Authored Publications/Research Reports/Reviews

Katari, Manpreet S. (2002) ViCoGenTA. A Genomic Viewer for Comparing Genome Sequences to Arabidopsis Thaliana. <http://www.cshl.org/genbin/cgi-bin/manny/vicogenta.cgi>. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

Bernstein, Emily, Caudy, A.A., Hammond, S.M., and Hannon, G.J. (2001) Role for a Bidentate Ribonuclease in the Initiation Step of RNA Interference. *Nature* 409: 363-366.

Jaeger, Johannes, and Goodwin, B.C. (2002). Cellular Oscillators in Animal Segmentation. *Silico Biology* 2: <http://www.bioinfo.de/isb/2002/02/0010/>.

Jaeger, Johannes, and Goodwin, B.C. (2001). A Cellular Oscillator Model for Periodic Pattern Formation. *J Theor Bio* 213: 171-181.

Li, J., Peet, G.W., Balzarano, D., Li, X., **Massa, Paul,** Barton, R.W., Marcu, K.B. (2001) Novel NEMO/I κ B Kinase and NF- κ B Target Genes at the Pre-B to Immature Bcell Transition. *Journal of Biological Chemistry* 276: 18579.

Messick, Troy E., Chmiel, N.H., Golinelli, M.P., Langer, M.R., Joshua-Tor, L., David, S.S. (2002) Noncysteinylation Coordination to the [4Fe-4S]²⁺ Cluster of the DNA Repair Adenine Glycosylase MutY Introduced via Site-Directed Mutagenesis. Structural Characterization of an Unusual Histidinylation-Coordinated Cluster. *Biochemistry* 41: 3931-42.

Drier, E.A., **Tello, Marcella K.,** Cowan, M., Wu, P., Blace, N., Sacktor, T.C., Yin, J.C. (2002) Memory Enhancement and Formation by Atypical PKM Activity in Drosophila Melanogaster. *Nat Neurosci* 5 (4): 316-24.

Hendricks, J.C., Williams, J.A., Panckeri, K., Kirk, D., **Tello, Marcella K.,** Yin, J.C., Sehgal, A. (2001) A Non-Circadian Role for cAMP Signaling and CREB Activity in Drosophila Rest Homeostasis. *Nat Neurosci* 4 (11): 1108-15.

Wines, Mary E., Lee, L., **Katari, Manpreet S.,** Zhang, L., DeRossi, C., Shi, Y., Perkins, S., Michael Feldman, M., McCombie, W.R., and Holdener, B.C. (2001) Identification of Mesoderm Development (mesd) Candidate Genes by Comparative Mapping and Genome Sequence Analysis. *Genomics* 72: 88-98.

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

- Jaeger, Johannes**, Kosman, D., Sharp, D.H. and Reinitz J. (2002) A Gene Circuit Model of Early Drosophila Embryogenesis. *43rd Annual Drosophila Research Conference*. San Diego, CA.
- Jaeger, Johannes**. (2001) Looking at the Future of Functional Genomics from inside the Drosophila Blastoderm. *Vertical Integration in Biology, From Molecules to Organism*. Isaac Newton Institute for Mathematical Sciences, Cambridge, U.K.
- Katari, Manpreet S.** (2002) Utilization of Random Shotgun Brassica Oleracea Reads to Better Annotate Arabidopsis Thaliana. *13th Crucifer Genetics Workshop*. University of California at Davis, Davis, CA.
- Seger, Yvette R.**, Maestro, R., Piccin, S., Lo Cunsolo, C., Doglioni, C., Garcia-Cao, M., Blasco, M.A., and Hannon, G.J. (2002) Transformation of Human Cells in the Absence of Telomerase Activation. *Keystone Symposium on the Genomics and Genetics of Cancer and Senescence*. Keystone, CO.
- Seger, Yvette R.**, Maestro, R., Sun, P., and Hannon, G.J. (2001) Genetic Requirements for the Transformation of Human Cells. *American Association of Cancer Research Annual Meeting*. New Orleans, LA.
- Seger, Yvette R.**, Maestro, R., Sun, P., and Hannon G.J. (2001) Genetic Requirements for the Transformation of Human Cells. *CSHL Meeting on Telomeres and Telomerase*. Cold Spring Harbor, NY.
- Seger, Yvette R.**, Sun, P., and Hannon, G.J. (2000) Mortality Control in Human Cells. *U.S. Army Era of Hope Breast Cancer Research Program Symposium*. Atlanta, GA.
- Seger, Yvette R.**, Sun, P., and Hannon, G.J. (2000) Genetic Requirements for the Transformation of Human Cells. *CSHL Meeting on Cancer Genetics and Tumor Suppressor Genes*. Cold Spring Harbor, NY.
- Tello, Marcella K.**, Drier, E.A., Wu, P., Yin, J. (2001) Enhancement of Memory in Drosophila Through Activated PKC Zeta: Transcription or Proteolysis? *XXXI Annual Meeting of the Society for Neuroscience*. San Diego, CA.
- Tello, Marcella K.**, Drier, E.A., Wu, P., Carey, A., Yin, J. (2001) Molecular Characterization of the Drosophila Homolog of Atypical PKC Zeta - Implications for its Role in Memory Formation. *Neurobiology of Drosophila*. Cold Spring Harbor, NY.
- Drier, E.A., Cowan, M., **Tello, Marcella K.**, Wu, P., Blace, N., Sacktor, T.C., Yin, J. (2001) Memory Enhancement by a Mammalian Atypical PKC Isoform, PKM Zeta in Drosophila Melanogaster. *Learning and Memory*. Cold Spring Harbor, NY.
- Tello, Marcella K.**, Drier, E.A., Wu, P., Yin, J. (2001) Molecular Characterization of the Drosophila Homolog of Atypical PKC Zeta: Implications for its Role in Memory Formation. *Learning and Memory*. Cold Spring Harbor, NY.
- VanderZwan, Christine**, Swantek, D., Wheeler, J., and Gergen, J.P. (2002) Genetics of Transcriptional Activation and Repression by Runt. *43rd Annual Drosophila Research Conference*. San Diego, CA.
- VanderZwan, Christine**, Wheeler, J., Xu, X., Swantek, D., Walrad, P., and Gergen, J.P. (2001) Genetic Dissection of *engrailed* Repression by Runt. *Transcriptional Regulation of Runt Domain Proteins in Development and Disease*. Dartmouth College, NH.

GENETICS

❖ Post-Doctorates Obtained and Professional Appointments

Indyk, Justin. (2001) Medical Student. School of Medicine, *Stony Brook University*, Stony Brook, NY.

Milstein, Stuart. (2001) Postdoctoral Fellow. *Harvard Medical School*, Boston, MA.

Moore, James. (2001) Postdoctoral Fellow. *University of Zurich*, Zurich, Switzerland.

Ostrom, Amy. (2001) Scientific Advisor. *Senterfitt and Ackermann*, Miami, FL.

Schisa, Jennifer. (2002) Assistant Professor. *Central Michigan State University*, Mount Pleasant, MI.

Wells, James. (2002) Assistant Professor. *Children's Hospital Research Foundation*, Cincinnati, OH.

Wines, Mary E. (2001) Postdoctoral Fellow. *Harvard Medical School*, Boston, MA.

GEOSCIENCES

GRADUATE DIRECTOR: MARTINA A. SCHOONEN

DEPARTMENT CHAIR: SCOTT MCLENNAN

❖ Grants, Fellowships, and Awards

Celestian, Aaron J. (2001) GAANN Fellowship, \$7,500. *Department of Education*. Washington, D.C.

Winslow, Francis. (2001-2002) GAANN Fellowship, \$15,000. *Department of Education*. Washington, D.C.

Winslow, Francis. (2001) The 2001 Eugene M. Shoemaker Impact Cratering Award. *Planetary Geology Division of the Geological Society of America for Reevaluating the Age of the Manicouagan Impact Crater*. Boston, MA.

Woody, Kelly. (2002) GAANN Fellowship, \$6,750. *Department of Education*. Washington, D.C.

❖ Singly Authored Publications/Research Reports/Reviews

Becker, Mona. (2001) Evaluation of U Distributions and U-Pb Dating in Authigenic Sedimentary Materials: Correlation of Terrestrial and Marine Sedimentary Sequences. *Stony Brook University*. Stony Brook, NY.

Hurowitz, J.A. (2001) The Geochemical and Nd-Isotopic Evolution of the Eastern Margin of North America in New England: Late Proterozoic to Middle Ordovician. *Stony Brook University*. Stony Brook, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

Antao, S.M., and Hassan, I. (2002) Thermal Analyses of Sodalite, Tugtupite, Danalite, and Helvite. *Canadian Mineralogist* 40: 163-172.

Antao, S.M., and Hassan, I. (2002) A Comparison of the Thermal Analyses of Scapolite $Me_{33.3}$ and $Me_{79.6}$. *Canadian Mineralogist* (submitted).

Antao, S.M., Duane, M. J., and Hassan, I. (2002) Thermal Analyses of Sturmanite and Ettringite. *Canadian Mineralogist* (submitted).

Elsetinow, A.R., Strongin, D.R., **Borda, M.J.,** Schoonen, M.A., and Rosso, K.M. (2002) Characterization of the Structure and Reactivity of a Iron Disulfide Thin Film for Surface Science Studies. *Geochimica et Cosmochimica Acta* (accepted).

Elsetinow, A.R., **Borda, M.J.,** Schoonen, M.A., and Strongin, D.R. (2002) Suppression of Pyrite Oxidation in Acidic Aqueous Environments Using Lipid-Bilayer Coatings. *Advances in Environmental Research* (in review).

Borda, M.J., A. Elsetinow, et al. (2001) Pyrite-Induced Hydrogen Peroxide Formation as a Driving Force in the Evolution of Photosynthetic Organisms on an Early Earth. *Astrobiology* 1 (3): 283-288.

Elsetinow, A.R., **Borda, M.J.,** Schoonen, M.A., Strongin, D.R. (2001) Method for Suppression of Metalsulfide Oxidation. *United States Patent* (pending).

Zhang, H., **Celestian, Aaron J.,** Parise, J.B., Xu, H., Heaney, P.J. (2002) A New Polymorph of Eucryptite ($LiAlSiO_4$), ϵ -eucryptite, and Thermal Expansion of α - and ϵ -eucryptite at High Pressure. *American Mineralogist* 87: 566-571.

- Celestian, Aaron J.**, Tripathi, A., Parise, J.B., Wu, G. (2001) Investigations into a Titanosilicate and Lithosilicate RUB-32. *National Synchrotron Light Source Activity Report*.
- Celestian, Aaron J.**, Parise, J.B., Hanson, J. (2001) Ion Exchange Studies of Synthetic (Al, Ge) Gismondine. *National Synchrotron Light Source Activity Report*.
- Celestian, Aaron J.**, Grew, E., Parise, J.B., Wu, G. (2001) Structural Investigation of the Mineral Welshite. *National Synchrotron Light Source Activity Report*.
- Nienstedt, J., Drayer, C., Lanzirott, A., Rasbury, T., **Celestian, Aaron J.**, Forester, C. (2001) Incorporation of U and Th in Phosphatized Fossils. *National Synchrotron Light Source Activity Report*.
- Flesch, L.M.**, A.J. Haines, and W.E. Holt. (2001) Dynamics of the India-Eurasia Collision Zone. *Journal of Geophysical Research* 106 (16): 435-460.
- McLennan, S.M., Bock, B., Hemming, S.R., **Hurowitz, J.A.**, Lev, S.M., and McDaniel, D.K. (2001) The Roles of Provenance and Sedimentary Processes in the Geochemistry of Sedimentary Rocks. *Geochemistry of Sediments and Sedimentary Rocks: Secular Evolutionary Considerations to Mineral Deposit-Forming Environments*. Lentz, D.R., Ed.: Geological Association of Canada: Short Course Notes (in press).
- Kennedy, B.J., Vogt, T., **Martin, C.D.**, Parise, J.B., and Hriljac, J.A. (in press) *Pressure Induced Phase Transition in PrAlO₃*.
- Kennedy, B.J., Vogt, T., **Martin, C.D.**, Parise, J.B., and Hriljac, J.A. (2001) Pressure-Induced Orthorhombic to Rhombohedral Phase Transition in LaGaO₃. *Journal of Physics: Condensed Matter* 13: L925-L930.
- Liu, Yun**, and Hanna Nekvasil. (2001) Ab initio Studies of Possible Fluorine-Bearing Four- and Fivefold Coordinated Al Species in Aluminosilicate Glasses. *American Mineralogist* 86: 491-497.
- McCall, K.L.**, E.T. Trasbury, and A. Lanzirotti. (2001) Uranium (VI) Incorporation in Paleosol Calcite: Evidence for Sequestration of U on Geologic Time Scales. *NSLS Activity Report*: 41-44.

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- Borda, M.J.**, Schoonen, M.A.A., et al. (2002) Using-Flow Through ATR FT-IR to Study Pyrite Oxidation. *223rd ACS National Meeting*. Orlando, FL.
- Borda, M.J.** (2002) Complexity at the Water-Solid Interface: Mineral Surfaces and Nanoparticles. *223rd ACS National Meeting* (Symposium Session Geochemistry Division, Co-chair). Orlando, FL.
- Borda, M.J.**, Elsetinow, A.R., et al. (2001) Pyrite-Induced Hydrogen Peroxide as a Driving Force for the Evolution of Oxygenic Photosynthetic Organisms. *Goldschmidt Conference*. Hot Springs, VA.
- Borda, M.J.**, Elsetinow, A.R., et al. (2001) Mechanism for the Production of H₂O₂ at the Pyrite Surface. *222nd ACS National Meeting*. Chicago, IL.
- Park, S.H., Kleinsorge, M., Grey, C.P., Parise, J.B., **Celestian, Aaron J.** (2002) Lithium and Deuterium NMR Studies of Acid-Leached Layered Lithium Manganese Oxides. *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Park, S.H., Kleinsorge, M., Grey, C.P., Parise, J.B., **Celestian, Aaron J.** (2002) Can We Visualize Framework Li cations using IR and Solid-State NMR Spectroscopy? *Chemistry Research Day*. Stony Brook University, Stony Brook, NY.
- Parise, J.B., Goodell, C., **Celestian, Aaron J.**, Tripathi, A. (2001) Phase Transformations in the GIS Structure Upon Ion Exchange. *EOS Trans., AGU, Fall Meeting Suppl.* 82 (47): V32A-0956.
- Celestian, Aaron J.** (2001) Participant. *10th Annual ACA Crystallography Summer Course*. Athens, GA.

- Nekvasil, H., Lindsley, D.H., **Dondolini, A.**, Horn, J., Rossier, L., Litvin, V. (2001) Do Different Magmatic Suites Really Require Different Sources? *Eos Trans. AGU 81* (48): Abstract for poster at Fall AGU Meeting.
- Holt, W.E., and **L.M. Flesch.** (2002) Space Geodesy and the New Global Tectonics. *Invited Colloquiums*. Stanford University, Stanford, CA.
- Flesch, L.M.** (2002) Kinematic and Dynamic Models of Western North America and Central Asia. *Invited Colloquiums*. Stanford University, Stanford, CA.
- Flesch, L.M.**, B. Shen-Tu, W.E. Holt, and A.J. Haines. (2001) Using Surface Observations to Constrain the Dynamics of Western North America. *EOS Trans. AGU 82* (47): Fall Meeting Supplement.
- Kreemer, C., **L.M. Flesch,** and W.E. Holt. (2001) The Dynamics and Kinematics of the Central Andes: Understanding Strike-Slip and Extensional Earthquakes in the High Andes. *26th General Assembly of EGS*. Nice, France.
- Flesch, L.M.** (2001) Planned and Led Sessions. *Women in Engineering and Science Program* (for both high schools students and undergraduates). Stony Brook University, Stony Brook, NY.
- Hurowitz, J.A., Tosca, N.J.,** McLennan, S.M., Lindsley, D.H., Schoonen, M.A.A. (2002) Surficial Processes on Mars: An Experimental Approach. *33rd Lunar and Planetary Science Conference*. Houston, TX.
- Hurowitz, J.A., Tosca, N.J.,** McLennan, S.M., Lindsley, D.H., Schoonen, M.A.A. (2002) Surficial Processes on Mars: An Experimental Approach. *33rd Lunar and Planetary Science Conference Program to Technical Sessions*, Abstract #1354. Houston, TX.
- Hurowitz, J.A.,** McLennan, S.M. (2001) Trace Element and Nd-Isotopic Evolution of Eastern Laurentia in New England: Late Proterozoic to Middle Ordovician. *American Geophysical Union Fall Meeting*. San Francisco, CA.
- Hurowitz, J.A.,** McLennan, S.M. (2001) Trace Element and Nd-Isotopic Evolution of Eastern Laurentia in New England: Late Proterozoic to Middle Ordovician. *AGU 2001 Fall Meeting Program*, Abstract # V41C-03. San Francisco, CA.
- Kreemer, C.,** Holt, W.E., Haines, J. (2001) A Global Model of Plate Boundary Zone Deformation and Plate Motions. *26th General Assembly of EGS*. Nice, France.
- Kreemer, C.,** Flesch, L.M., Holt, W.E. (2001) The Dynamics and Kinematics of the Central Andes; Understanding Strike-Slip and Extensional Earthquakes in the High Andes. *26th General Assembly of EGS*. Nice, France.
- Li, H.,** Rasbury, E.T., Hanson, G.N., Ward, W.B., Hemming, N.G., Dickson, J.A.D. (2001) Determining the Age and $^{87}\text{Sr}/^{86}\text{Sr}$ from Altered Aragonite Marine Cements of the Laborcita Formation, New Mexico. *American Geophysical Union*. San Francisco, CA.
- Mathon, B.R.,** Schoonen, M.A.A. (2001) Dissipation of Thermal and Chemical Disequilibrium in Hot Springs: Big Boiler, Lassen Volcanic National Park. *11th Annual V.M. Goldschmidt Conference*. Hot Springs, VA.
- McCall, K.L.,** E.T. Rasbury, T. Lanzirotti. (2001) Trace Element Incorporation in Caliche Paleosols. *Eleventh Annual V.M. Goldschmidt Conference*, Abstract # 3667; Lunar and Planetary Institute, LPI Contribution No. 1088 (CD-ROM). Houston, TX.
- Rouff, A.A.,** Reeder, R.J., Fisher, N.S., Elzinga, E.J. (2002) Pb(II) Sorption with Calcite: A Radiotracer and Spectroscopic Evaluation. *223rd ACS National Meeting*. Orlando, FL.
- Coish, Raymond A., **Rouff, A.A.,** Wilson, Sharon A., and Rankin, Douglas W. (2001) Silurian Extensional Magmatism in the Appalachians: Geochemistry of Dikes from Northeastern Vermont. *GSA Annual Meeting*. Boston MA.

GEOSCIENCES

❖ Post-Doctorates Obtained and Professional Appointments

Becker, Mona. (2001) Post-doctoral Research Associate. Department of Earth Sciences, *University of Oxford*, Oxford, UK.

Celestian, Aaron J. (2002) Visiting Investigator. Geophysical Laboratory, *Carnegie Institution of Washington*, Washington, D.C.

HISPANIC LANGUAGES, LITERATURES, AND CULTURES

GRADUATE DIRECTOR: VICTORIANO RONCERO-LOPEZ

DEPARTMENT CHAIR: ROMAN DELACAMPA

❖ Grants, Fellowships, and Awards

Alonso-Almagro, Maria N. (2002) Award for Excellence in Teaching. *Department of Hispanic Languages and Literature, Stony Brook University, Stony Brook, NY.*

Callau Gonzalvo, Sergio. (2001) Alfredo Bryce Echenique's Literature Workshop Fellowship, Full Board. *Universidad Rey Juan Carlos, Aguadulce (Almería), Spain.*

Callau Gonzalvo, Sergio. (2001) Summer Courses Grants, Tuition and Board Fellowship. *Universidad Internacional de Andalucía, Palos de la Frontera (Huelva), Spain.*

❖ Singly Authored Publications/Research Reports/Reviews

Callau Gonzalvo, Sergio. (2002) *Amores perros: La Bestia que Salva. Riff-Raff. Revista de Pensamiento y Cultura 18: 43-50.*

Callau Gonzalvo, Sergio. (2002) Yo que Quise Ser Ella. Review of the Novel *La Marea*, by Ramón Acín. *Riff-Raff. Revista de Pensamiento y Cultura 19: 7-10.*

Callau Gonzalvo, Sergio. (2001) La Doble Memoria de la Loca: Una Reflexión sobre el Tiempo en *Pedro Páramo y Los Recuerdos del Porvenir. Revista de Crítica Literaria Latinoamericana 54: 129-47.*

Ichikawa, Emilio. (2002) *Contra el Sacrificio.* Miami, FL: Ediciones Universal.

❖ Jointly Authored Publications/Research Reports/Reviews

Ichikawa, Emilio. (2001) *La Isla del Día Después.* Spain: Ediciones Mondadori.

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

Alonso-Almagro, Maria N. (2001) Mujer, Literatura y Memoria.: Novela y Vida como Tejido en Lo Raro es Vivir de Carmen Martín Gaité. *IX Conferencia de Literatura de Estudiantes Graduados.* Rutgers, State University of New Jersey, New Brunswick, NJ.

Hernández, Patrick. (2002) El Nuevo Enfoque Académico: The Venezuelan Boom. *Geografías de Carlos Fuentes Conference.* Brown University, Providence RI.

Hernández, Patrick. (2002) Moderator, Introduction and Presentation of Emilio Ichikawa. *Department Conference.* Stony Brook University, Stony Brook, NY.

Meyler, Jason B. (2002) Alma Guillermoprieto's Cultural Translation in 'The Heart that Bleeds': New Readings, New Stories of Latin American Modernities. *Geografías de Carlos Fuentes: Congreso Internacional Para Conmemorar Cuarenta Años de La Muerte de Artemio Cruz y Aura.* Brown University, Providence RI.

Meyler, Jason B. (2002) Introduction and Discussion Leader of the Film "En el país de no pasa nada." *Contemporary Mexican Film Series.* Stony Brook University, Stony Brook, NY.

HISPANIC LANGUAGES, LITERATURES, AND CULTURES

Rosado, Victor M. (2002) Borges and the Enveloping Chaos of Human Schemes. *IX Conferencia de Estudiantes Graduados*. Rutgers, State University of New Jersey, New Brunswick, NJ.

Rosado, Victor M. (2002) Naufragios and Other Journeys into the Ideological Unconscious: Álvaro Nuñez Cabeça de Vaca versus Robinson Crusoe. *Multidisciplinary Graduate Student Conference, Refiguring the Americas: Disciplines, Genres, Histories*. The Latin American and Caribbean Studies Center, Stony Brook University, Stony Brook, NY.

Rosado, Victor M. (2002) Transitional Discourses and Ideologies: Bartolomé de las Casas and His Notion of 'vasallos libres.' *Tenth International Annual Graduate Conference on Romance Studies*. Boston College, Boston, MA.

Rosado, Victor M. (2002) Member of the Organizing Committee and Panel Moderator. *Multidisciplinary Graduate Student Conference: Refiguring the Americas: Disciplines, Genres, Histories*. The Latin American and Caribbean Studies Center, Stony Brook University, Stony Brook, NY.

Rosado, Victor M. (2002) Member. *Working Group for the New York City Social Forum*. New York, NY.

❖ Post-Doctorates Obtained and Professional Appointments

Meyler, Jason B. (2002) Coordinator of Multimedia. Department of Hispanic Languages and Literature, *Stony Brook University*, Stony Brook, NY.

HISTORY

GRADUATE DIRECTOR: CHRIS SELLERS

DEPARTMENT CHAIR: NED LANDSMAN

❖ Grants, Fellowships, and Awards

- Babic, Annessa Ann.** (2001-2002) Graduate Student Teaching Fellowship, \$1,500. *CELT, Stony Brook University*, Stony Brook, NY.
- Emin-Tunc, Tanfer, and Prescott, Nichole.** (2002) Dialogues Across Differences Grant, \$500. *President's Office, Stony Brook University*, Stony Brook, NY.
- Emin-Tunc, Tanfer.** (2002) Margaret Storr Grierson Research Grant, \$1,000. *Smith College*, Northampton, MA.
- Emin-Tunc, Tanfer.** (2002) Woodrow Wilson-Johnson and Johnson Doctoral Dissertation Grant in Women's Health, \$3,000. *Woodrow Wilson National Fellowship Foundation of Princeton*, Princeton, NJ.
- Emin-Tunc, Tanfer.** (2002) Rockefeller University Research Grant, \$1,800. *Rockefeller Archive Center, Pocantico Hills, Sleepy Hollow, NY.*
- Hubbell, Jeremy W.** (2002) The 2002 Peter Rollins Award for Best Presentation on an Aspect of American Culture for "Land O' Lakes as Icon and Edda," \$100. *The Southwest/Texas Popular Culture Association/American*, Lubbock, TX.
- Kahr, Christina Consuelo.** (2001-2002) Andrew Mellon Foundation Fellowship in Latin American History, \$14,000. *Stony Brook University*, Stony Brook, NY.
- Osorio, Alejandra B.** (2001) Fred Weinstein Award for Best History Dissertation in 2001: Dissertation Titled: "Inventing Lima: The Making of an Early Modern Colonial Capital, ca. 1540-ca. 1640." Defended on December 21, History Department, Advisor: Professor Temma Kaplan, \$500. *Stony Brook University*, Stony Brook, NY.
- Reichardt, Eike.** (2001) Research Foundation Grant, \$1,000. *Stony Brook University*, Stony Brook, NY.
- Sansing, James.** (2001-2002) Paul Cuffe Memorial Fellowship for the Study of Minorities in American Maritime History, \$2,400. *Frank C. Munson Institute of American Maritime Studies at Mystic Seaport*, Mystic, CT.
- Segalla, Spencer.** (2002) Spencer Dissertation Fellowship for Research Related to Education, \$20,000. *The Spencer Foundation*, Chicago, IL.

❖ Singly Authored Publications/Research Reports/Reviews

- Emin-Tunc, Tanfer.** (2002) *Monstres et Phénomènes de Foire: Les Numéros D'attraction de Coney Island et Les Eugénistes de Long Island (1910-1935)*. *Human Zoos: Colonial Memoirs*. N. Bancel, P. Blanchard, G. Boëtsch, S. Lemaire and E. Deroo, Eds. Paris: La Découverte Publishers.
- Emin-Tunc, Tanfer.** (2001-2002) *Freaks and Geeks: Coney Island Sideshow Performers and Long Island Eugenicians, 1910 – 1935*. *The Long Island Historical Journal* 14(1/2).
- Osorio, Alejandra B.** (2002) *THE KING IN LIMA: Simulacra, Ritual, and Rule in Seventeenth-Century Peru*. *Hispanic American Historical Review* (accepted and due to come out May 2003).
- Segalla, Spencer.** (2001) *Re-inventing Colonialism: Race and Gender in Edith Wharton's In Morocco*. *The Edith Wharton Review* 17: 22-30.

HISTORY

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

Nyitray, K., and **Becker, Ann M.**, Eds. (2002) *The College History Series: State University of New York at Stony Brook*. Charleston, SC: Arcadia Publishing (forthcoming).

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

Becker, Ann M, Yoder, M., and Blake, S. (2002) Smallpox in Washington's Army: The Strategic Importance of the Disease During the American Revolutionary War. *New England Historical Association Spring Conference, Session 5: Explorations in the History of Medicine and Public Health*. Massachusetts Maritime Academy, Buzzards Bay, MA.

Emin-Tunc, Tanfer, and **Prescott, Nichole**. (2002) Glen or Glenda: Sexuality, Psychiatry and the Silver Screen. *Guilt and the Culture of Manipulation*. Stony Brook University. Stony Brook, NY.

Emin-Tunc, Tanfer. (2002) Working with Women's Studies Graduate Students to Organize a Reading Group on Breast Cancer: Theoretical and Practical Considerations. *National Women's Studies Association's Annual Conference*. Las Vegas, NV.

Fernandez, Kenia M. (2001) Cuban@s on the Covers: Images of Cuban Women in Advertising in the 1940s. *Phi Alpha Theta Sessions, Southern History Association Conference*. New Orleans, LA.

Fuchs, Steven. (2001) The World Trade Organization: A Horn of Plenty or A Shattering Dream? *53rd Japan-America Student Conference*. Kyoto, Japan.

Fuchs, Steven. (2001) Replenishing the Earth: Fertilizer and Industrial Recovery During the Occupation of Japan. *The Twenty-Seventh Annual Society for Historians of American Foreign Relations Conference*. American University, Washington, D.C.

Hubbell, Jeremy W. (2002) Land O' Lakes as Icon and Edda. *23rd Annual Conference of the Southwest/Texas Popular Culture Association/American Culture Association*, Albuquerque, NM; *Stony Brook's 14th Annual Interdisciplinary Graduate Student Conference*. Stony Brook, NY.

Hubbell, Jeremy W. (2002) Global Roads, Local Spaces, Global Civilization. *Refiguring the Americas: Disciplines, Genres, Histories*. The Latin American and Caribbean Studies Center, Stony Brook University, Stony Brook, NY.

Kahr, Christina Consuelo. (2002) Gendered Bodies/Gendered Nation: Women, Athletics and Citizenship in Peronist Argentina. *2002 Berkshire Conference on the History of Women*. University of Connecticut, Storrs, CT.

Osorio, Alejandra B. (2002) The Heart of the Kingdom: The King, the Viceroy, the Plaza Mayor, and the Geography of Power in Habsburg Lima. *American Historical Association Annual Meeting*. San Francisco, CA.

Osorio, Alejandra B. (2002) Urban Space, Public Ritual, and Political Power in the Early Modern Atlantic World: Lima, Puebla de los Angeles, and Madrid. *AHA Panel, American Historical Association Annual Meeting*. San Francisco, CA.

Osorio, Alejandra B. (2001) The King and the Plaza in Colonial Lima. *Latin American and Caribbean Center at Florida International University*. Miami, FL.

Osorio, Alejandra B. (2001) The King in the Plaza: Simulacra and Rule in the Early Modern Atlantic World. *Dialogues I: Court and Plaza in the Spanish Atlantic*. Miami Beach, FL.

Osorio, Alejandra B. (2001) *Civitas* and Its Discontents: The Aesthetics of Good Government in Colonial Lima. *2001 Latin American Studies Association (LASA), XXI International Congress*. Washington, D.C.

Osorio, Alejandra B. (2001) *Civitas* y Buen Gobierno en la Lima colonial. *48th Annual SECOLAS Conference*. Veracruz, Mexico.

Osorio, Alejandra B. (2001) Cultures of Urban Discipline in Colonial Capitals. Co-organized with Kirsten Schultz. *Latin American Studies Association (LASA), XXIII International Congress*, Washington, D.C.

Reichardt, Eike. (2001) Colonized Performers and the ‘Racializing’ of German National Identity. *European Identity & Nationalism Conference*. Rutgers University, New Brunswick, NJ.

Segalla, Spencer. (2002) Colonial Guilt and French Public Instruction in Morocco. *Guilt: The Culture of Manipulation, Stony Brook’s 14th Annual Interdisciplinary Graduate Student Conference*. Stony Brook, NY.

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

Krysko, Michael A. (2001) Assistant Professor of History (Tenure Track). *Dowling College*, Oakdale, NY.

Osorio, Alejandra B. (2002-2003) Assistant Professor of History. *Wellesley College*, Wellesley, MA.

Osorio, Alejandra B. (2001-2002) Associate Director. Center for Latin American Studies, *University of Florida*, Gainesville, FL.

❖ **Other**

Becker, Ann M. (2002) Contributing Editor. *Basic American History* and *American History II* Software Packages. Hicksville, NY: Worldview Software.

LINGUISTICS

GRADUATE DIRECTOR: MARIE HUFFMAN

DEPARTMENT CHAIR: RICHARD LARSON

❖ Grants, Fellowships, and Awards

- Dellicarpini, Margo.** (2002) The President's Award for Excellence in Teaching by a Graduate Student, \$500. *Stony Brook University*, Stony Brook, NY.
- Dellicarpini, Margo.** (2002) English Literacy/Civics Education: 'PREFACE' Promoting English Fluency and Civics Education, \$293,000. *New York State Education Department*, Albany, NY.
- Kawamura, Tomoko.** (2001) Fulbright Travel Grant, \$4000. *Institute of International Education*, Japan.
- Marušić, Franc.** (2002) Summer Fellowship, \$900. *LSA, DGfS/LSA Formal and Functional Linguistics Summer School*, Düsseldorf, Germany.
- Weisenberg, Julia.** (2001) American Sign Language Interpreter for the Deaf/Deaf Studies Program Colloquium Series, \$3,400. *Suffolk County Community College Foundation*, Selden, NY.
- Weisenberg, Julia.** (2001) American Sign Language Interpreter for the Deaf/Deaf Studies Program Colloquium Series, \$1000. *City University of New York Interpreter Education Projects*, New York, NY.
- Yamakido, Hiroko.** (2001) Summer Fellowship, \$1550. *LSA Summer Institute*, University of California, Santa Barbara, CA.

❖ Singly Authored Publications/Research Reports/Reviews

- Marušić, Franc.** (2001) Ena Jezikovnih Posebnosti Solkanščine [One Linguistic Peculiarity of the Solkan Dialect]. *Jako Stara vas na Goriškem je Solkan*. Branko Marušić, Ed. Solkan: Krajevna Skupnost Solkan.
- Scott, Tatiana.** (2002) The Problems of the Russian Psycholinguistics and the Ways to Solve Them Using the Minimalist Program: American Formal Linguistics. *Psichologičeskaja Gazeta, Izdatelstvo Gosudarstvennogo Sankt-Peterburgskogo Universita*. St. Petersburg, Russia.

❖ Jointly Authored Publications/Research Reports/Reviews

- Larson, Richard, and Yamakido, Hiroko.** (in press) A New Form of Nominal Ellipsis. *11th Japanese/Korean Linguistics Conference Proceedings*. P. Clancy, Ed. Stanford, CA: CSLI Publications.

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

- Borroff, Marianne.** (2002) Against an ONSET Analysis of Hiatus Resolution. *The 3rd Annual CUNY/SUNY/NYU Linguistics Mini-Conference*. New York University, New York, NY.
- Borroff, Marianne, and Xu, Z.** (2002) Predicate Phrases as Functional XPs. *The 78th Annual Meeting of the Linguistic Society of America*. Hyatt Regency Hotel, San Francisco, CA.
- Bryan, Kisha.** (2002) Non-Standard and Stigmatized Varieties in the Classroom: Using TESOL Methodology in English Pedagogy. *1st Annual English Pedagogy and Contemporary English Conference*. Claflin University, Orangeburg, SC.

- Chen, Yiya.** (2002) Mandarin Prosody and Intonation Fluency. *Linguistics Department Colloquium Series*. State University of New York at Buffalo, Buffalo, NY.
- Chen, Yiya, and Xu, Y.** (2002) Pitch Target of Mandarin Neutral Tone. *LabPhon8: Eighth Conference on Laboratory Phonology*. Yale University and Haskins Laboratory, New Haven, CT.
- Chen, Yiya.** (2002) Actual Lengthening of Monosyllabic Constituents in Mandarin Chinese. *Speech Prosody 2002 Conference Proceedings*. Aix-en-Provence, France.
- Chen, Yiya.** (2001) F0 as an Acoustic Cue for Contrastive Focus in Beijing Mandarin. *Annual Conference of the Acoustical Society of America*. Fort Lauderdale, FL.
- Dellicarpini, Margo.** (2002) Developmental Stages in the Semantic Acquisition of Quantification by Adult Second Language Learners. *GASLA6: Generative Approaches to Second Language Acquisition*. University of Ottawa, Ottawa, Ontario, Canada.
- Dellicarpini, Margo.** (2002) Comparing the Effects of the Explicit Teaching of Phonological Awareness Skills to Over Age and Adult Low Literacy ESL Learners. *New York State Association for Incarcerated Education Programs (NYSAIEP)*. Saratoga Springs, NY.
- Dellicarpini, Margo.** (2002) Creating Meaningful Learning Contexts for Pre-literate Adult ESL Learners: Authentic Literacy Activities for Students with low or no Literacy Skills in their Native Language. *New York Adult Education Consortium Conference*. Huntington, NY.
- Larson, Richard, and Yamakido, H.** (2001) A New Form of Nominal Ellipsis in Japanese. *11th Japanese/Korean Linguistics Conference*. University of California, Santa Barbara, CA.
- MacDonald, Jonathan.** (2002) Cue Weight Dependence on Vowel Space Distribution. *The 3rd Annual CUNY/SUNY/NYU Linguistics Mini-Conference*. New York University, New York, NY.
- Marušić, Franc, Tatjana Marvin, and Rok Žaucer.** (2002) Secondary predicates in Slovenian. *FASL11: The 11th Annual Workshop on Formal Approaches to Slavic Linguistics*. University of Massachusetts, Amherst, MA.
- Marušić, Franc.** (2002) *Aff-stem-ix: Overgeneration of Circumfixes in Prosodic Morphology. *LISM-02 Long Island Sound Meeting*. New York University, New York, NY.
- Marušić, Franc.** (2002) *Aff-stem-ix - The story of discontinuous affixes. *ADL'2002*. University of Paris VII, Paris, France.
- Murasugi, Keiko, and Kawamura, Tomoko.** (2002) The Acquisition of Scrambling in Japanese. *3rd Annual Generative Linguistics in the Old World - Asia*. Tsing-Hua University, Hsinchu, Taiwan.
- Miao, Ruiqin.** (2001) Motivational Factors for Urban Immigrant Multilingualism in Guangzhou, China. *Language, Migration and the City*. University of Bayreuth, Bayreuth, Germany.
- Scott, Tatiana.** (2002) Which Questions are Currently Being Solved by the American Psycholinguists? *Department of Psychology Colloquium Series*. State University of Russia, St. Petersburg, Russia.
- Scott, Tatiana.** (2002) The CP-Topic Parameter and Russian WH-movements. *The 3rd Annual CUNY/SUNY/NYU Linguistics Mini-Conference*. New York University, New York, NY.
- Sumner, Meghan.** (2002) Transparency, Opacity, and the Reality of Abstract Representations in Modern Hebrew. *38th Meeting Chicago Linguistic Society*. University of Chicago, Chicago, IL.
- Sumner, Meghan.** (2002) The Psycholinguistic Reality of Abstract Representations. *22nd West Coast Conference on Formal Linguistics*. University of California at Santa Cruz, Santa Cruz, CA.
- Sumner, Meghan.** (2002) Identifying Relatedness: How Speakers Handle Transparent and Opaque Alternations. *The 35th International Conference of the Societas Linguistica Europaea*. University of Potsdam, Potsdam, Germany.
- Sumner, Meghan.** (2002) The Phonological Status of Glottal Stops in Hebrew. *The Second International Conference on Contrast in Phonology*. University of Toronto, Toronto, Ontario, Canada.

LINGUISTICS

- Sumner, Meghan.** (2002) The Psycholinguistic Reality of Abstract Representations. *Proceedings of the 22nd West Coast Conference on Formal Linguistics* (to appear).
- Sumner, Meghan.** (2002) Transparency, Opacity, and the Reality of Abstract Forms in Modern Hebrew. *Proceedings of the 38th Annual Meeting of the Chicago Linguistic Society* (to appear).
- Užule, Kristine.** (2002) Nominative Objects in the Latvian Debitive Mood. *18th International Conference on Baltic Studies*. Johns Hopkins University, Baltimore, MD.
- Užule, Kristine.** (2001) Political, Economic and Scientific Issues Pertaining to the Former USSR in Light of Developing United States Foreign Policy. *SCUSA53: 53rd Annual Student Conference on United States Affairs*. United States Military Academy at West Point, West Point, NY.
- Weisenberg, Julia.** (2002) Handshape Markedness in American Sign Language Loanwords. *78th Annual Meeting of the Linguistic Society of America*. Hyatt Regency Hotel, San Francisco, CA.
- Weisenberg, Julia.** (2002) Auditory Memory: Listening, Visual Rehearsal & Short Term Memory Skills. *New York State Department of Education: Educational Interpreters K-12 Grant Project*. Selden, NY.
- Weisenberg, Julia.** (2002) Auditory Memory: Listening for Meaning, Chunking, Improving Short Term Memory Skills. *New York State Department of Education: Educational Interpreters K-12 Grant Project*. Selden, NY.
- Weisenberg, Julia.** (2002) Teaching the Deaf Student. *Professional Education Preparation Lecture Series*. Stony Brook University, Stony Brook, NY.
- Yamakido, Hiroko.** (2002) The Nature of Adjectival Inflection in Japanese. *The 78th Annual Meeting of the Linguistic Society of America*. Hyatt Regency Hotel, San Francisco, CA.

❖ Post-Doctorates Obtained and Professional Appointments

- Chen, Yiya.** (2001) Visiting Professor. Linguistics Department, *New York University*, New York, NY.

MANAGEMENT AND POLICY

GRADUATE DIRECTOR: JEFF CASEY
DEPARTMENT CHAIR: TOM SEXTON

❖ Internship Appointments

- Austin, Brian.** (2001) Internship. *Symbol Technologies*, New York, NY.
- Chen, Chung-Ju.** (2001) Internship. *Nan Shan Life Insurance Co., Ltd.*, Taipei/Taiwan, China.
- Chen, Po-Lin.** (2001) Internship. *Cheng-Yeu Construction Co., Ltd.*, Taiwan, China.
- Chen, Tzu-Jung.** (2001) Internship. *Newai Chemical Industrial Co., Ltd.*, Taiwan, China.
- Chen, Yi-Tsung.** (2001) Internship. *Indian Hills Country Club*, New York, NY.
- Chou, Chi-Shin.** (2001) Internship. *Foxwoods Resort and Casino*, CT.
- Chu, Chin-Chung.** (2001) Internship. *Nan Shan Life Insurance Co., Ltd.*, Taipei/Taiwan, China.
- Curran, Ryan.** (2001) Internship. *UST*, CT.
- Greco, Mary.** (2002) Internship. *Stony Brook University Athletic Department*, Stony Brook, NY.
- Hughes, Robert.** (2001) Internship. *Internal Revenue Service*, New York, NY.
- Lai, Sheng-Yen.** (2001) Internship. *Canopns Medical Supply Co., Ltd.*, Taiwan, China.
- Lee, Yi-Ying.** (2001) Internship. *Polaris International Securities Investment Trust Co., Ltd.*, Taiwan, China.
- Lin, Ming-Chieh.** (2001) Internship. *Walsin Lihwa Corporation*, Taiwan, China.
- Liu, Nai-Jing.** (2001) Internship. *Fortune Venture Capital Corporation*, Taiwan, China.
- Liu, Nung-Hua.** (2001) Internship. *National Alliance for Post-Earthquake Reconstruction*, Taiwan, China.
- Osei-Boah, Frederick.** (2001) Internship. *Computer Associates*, New York, NY.
- Plugues, Michael.** (2002) Internship. *Stony Brook University Athletic Department*, Stony Brook, NY.
- Schiffer-Wozowczyk, Wioletta.** (2001) Internship. *Syosset Truck Sales, Inc.*, Syosset, NY.
- Sewell, Keisha.** (2001) Internship. *Computer Associates*, New York, NY.
- Shr, Yi-Heng.** (2001) Internship. *Ford Motor Co., Ltd.*, Taiwan, China.
- Uncu, Reyhan.** (2002) Internship. *Morgan Stanley*, New York, NY.
- Wu, Cho-Wei.** (2001) Internship. *T&T Ltd.*, Taiwan, China.
- Yen, Pei-Ju.** (2001) Internship. *AMS*, New York, NY.
- Zalewski, Urszula.** (2001) Internship. *Aqua-Trol Corporation*, New York, NY.

MARINE SCIENCES

GRADUATE DIRECTOR: GLENN LOPEZ

❖ Grants, Fellowships, and Awards

- Ingalls, A.E.** (2002) Harry Hess Postdoctoral Fellowship. *Princeton University*, Princeton, NJ.
- Todorov, Julia R.** (2001) Travel Award, \$100. *Sigma Xi*, Stony Brook, NY.
- Todorov, Julia R.** (2001) Fellowship, Sea Grant Scholar Program, \$17,000. *New York Sea Grant*, Stony Brook, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

- Bagwell, C.E., **M.M. Dantzer**, P.W. Bergholz, and C.R. Lovell. (2001) Host-Specific Ecotype Diversity of Rhizoplane Diazotrophs of the Perennial Glasswort, *Salicornia virginica* and Selected Salt Marsh Grasses. *Aquatic Microbial Ecology* 23: 293-300.
- Ingalls, A.E.**, Lee, C., Hedges, J.I., and Wakeham, S.J. (in revision) The Role of Biominerals in the Sinking Flux and Preservation of Amino Acids in the Southern Ocean Along 170°W. *Deep-Sea Research II*.
- Lucas, Lisanne**, D. Waliser, P. Xie, J. Janowiak, and B. Liebmann. (2001) Estimating the Satellite Equatorial Crossing Time Bias from the Daily, Global Outgoing Longwave Radiation Dataset. *Journal of Climate* 14: 2583-2605.
- Madrid, V.M.**, G.T. Taylor, M.I. Scranton, and A.Y. Chistoserdov. (2001) Phylogenetic Diversity of Bacterial and Archaeal Communities in the Anoxic Zone of the Cariaco Basin. *Appl. Environ. Microbiol* 67 (4): 1663-1674.
- Madrid, V.M.**, J.Y. Aller, R.C. Aller, and A.Y. Chistoserdov. (2001) High Prokaryotic Diversity and Analysis of Community Structure in Mobile Mud Deposits off French Guiana: Identification of Two New Bacterial Candidate Divisions. *FEMS Microbiol. Ecol.* 37: 197-209.
- Fox, J.L., and **Sung, K.Y.** (2001) Solar Activity Variations of the Venus Thermosphere/Ionosphere. *Journal of Geophysical Research* 106 (21): 305-21, 335.
- Twining, Benjamin S.**, Baines, S.B., and Fisher, N.S. (2001) Measurement of Metal Concentrations in Marine Nanoplankton Cells Using a X-Ray Fluorescence Microprobe. *Rapp. Comm. Int. Mer. Medit.* 36: 169.

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

- Kemp, P.F., J.Y. Aller, H.S. Dhadwal, **M.M. Dantzer**. (2002) An Optical Biosensor for Marine Microbial Process Studies: Development Phase II. *ASLO Ocean Sciences Meeting*. Honolulu, HI.
- Bergholz, P.W., C.E. Bagwell, **M.M. Dantzer** and C.R. Lovell. (2001) Rhizoplane Diazotroph Assemblage Structure Across Salt Marsh Vegetational Zones. *101st ASM General Meeting*. Orlando, FL.
- Ingalls, A.E.**, Lee, C., Hedges, J.I., and Wakeham, S.G. (2002) Organic Matter Fluxes and Preservation in the Southern Ocean: Role of Diatoms. *AGU/ASLO Ocean Sciences Meeting*. Honolulu, HI.
- Ingalls, A.E.** (2002) The Role of Biominerals in the Preservation of Organic Carbon. *Princeton University, Department of Geosciences*, Invited seminar. Princeton, NJ.

- Ingalls, A.E.**, Lee, C., Hedges, J.I., and Wakeham, S.G. (2001) The Role of Biominerals in the Sinking Flux and Preservation of Amino Acids in the Southern Ocean along 170°W. *Gordon Research Conference, Chemical Oceanography*. Tilton School, Tilton, NH.
- Ingalls, A.E.**, Lee, C., and Druffel, E.R.M. (2001) Preservation of Calcium Carbonate Bound Organic Carbon. *JGOFs SMP Workshop, Marine Calcification*. WHOI, Woods Hole, MA.
- Madrid, V.M.**, Chistoserdov, A.Y., Aller, J.Y., Aller, R.C. (2001) Comparative Phylogenetic Analysis of Prokaryotic Communities from Two Mobile Deltaic Mud Sediments. *American Society of Limnology and Oceanography Conference*. Albuquerque, NM.
- Chistoserdov, A.Y. **Madrid, V.M.**, Taylor, G.T. Scranton, M. (2001) Phylogenetic Diversity of Prokaryotic Communities in the Cariaco Basin. *ASLO Conference*. Albuquerque, NM.
- Todorov, Julia R.**, Elskus, A.A., Schlenk, D., Ferguson, P.L., Brownawell, B.J. and McElroy, A.E. (2001) Estrogenic Responses of Larval and Juvenile Sunshine Bass (*Morone saxatilis* X *M. chrysops*) Exposed to New York City Sewage Effluent. *11th Symposium on Pollutant Responses in Marine Organisms*. Plymouth, England.
- Todorov, Julia R.**, Elskus, A.A., Schlenk, D., Ferguson, P.L., Brownawell, B.J., and McElroy, A.E. (2001/in press) Estrogenic Responses of Larval Sunshine Bass (*Morone saxatilis* X *M. chrysops*) Exposed to New York City Sewage Effluent. *Marine Environmental Research; 22nd Annual Meeting of the Society of Environmental Toxicology and Chemistry*. Baltimore, MD.
- Twining, Benjamin S.**, Baines, S.B., Fisher, N.S., Jacobsen, C., Maser, J. (2001) A Novel Tool for the Quantification and Localization of Trace Elements in Plankton: Synchrotron X-Ray Fluorescence Microprobe. *American Society of Limnology and Oceanography Annual Meeting*. Albuquerque, NM.
- Twining, Benjamin S.**, Twiss, M.R., Fisher, N.S. (2001) Bioaccumulation and Redox Cycling of Thallium in Great Lakes Plankton Communities. *Society of Environmental Toxicology and Chemistry Annual Meeting*. Baltimore, MD.

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

- Ingalls, A.E.** (2002) Postdoctoral Researcher. Department of Earth and Planetary Sciences, *Harvard University*, Cambridge, MA.

MATERIALS SCIENCE AND ENGINEERING

GRADUATE DIRECTOR: SANJAY SAMPATHA DILIP GERSAPP

DEPARTMENT CHAIR: MIKE DUDLEY

❖ Grants, Fellowships, and Awards

- Bai, Jie.** (2001-2002) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.
- Cho, Wondong.** (2001-2002) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.
- Du, Jian.** (2001-2002) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.
- Ji, Yuan.** (2001-2002) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.
- Li, Clive (Song Feng).** (2001-2002) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.
- Michlik, Petr.** (2001-2002) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.
- Pu, Yuxie.** (2000-2001) Distinguished Presidential Doctoral Student Award. *Stony Brook University*, Stony Brook, NY.
- Racek, Ondrej.** (2001-2002) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.
- Sharma, Atin.** (2001-2002) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.
- Sharma, Sarika.** (2001-2002) Honorable Mention Distinguished Presidential Doctoral Student Award. *Stony Brook University*, Stony Brook, NY.
- Sun, Yuan Yuan.** (2001-2002) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.
- Vasquez, Marvin.** (2002) Turner Fellowship. *Stony Brook University*, Stony Brook, NY.
- Vasquez, Marvin.** (2002) W. Burghardt Turner Post Doctoral Faculty Fellowship. *Stony Brook University*, Stony Brook, NY.
- Yoon, Kyung Hwan.** (2001-2002) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.
- Zhang, Limin, and Rogerio Lima.** (2000-2001) Honorable Mention Distinguished Presidential Doctoral Student Award. *Stony Brook University*, Stony Brook, NY.
- Zhou, Hongwen.** (2001-2002) Presidential Fellowship, \$2,500. *Stony Brook University*, Stony Brook, NY.

❖ Singly Authored Publications/Research Reports/Reviews

- Lin, Ko-Wei.** (2002) Structural and Magnetic Characterization of Ion-Beam Deposited NiFe/Ni_xFe_{1-x}O composite Films, Thesis. *Stony Brook University*. Stony Brook, NY.
- Prehlik, Lubos.** (2002) Damage Tolerant Functionally Graded Materials for Advanced Wear and Friction Applications, Thesis. *Stony Brook University*. Stony Brook, NY.
- Prehlik, Lubos.** (2002) Damage Tolerant Functionally Graded Materials for Advanced Wear and Friction Applications, Thesis. *Stony Brook University*. Stony Brook, NY.
- Sharma, Sarika.** (2002) Dynamics of Polymer Bilayers: Nanocomposites and Patterned Surfaces, Thesis. *Stony Brook University*. Stony Brook, NY.

- Si, Mayu.** (2002) Manipulating Rheology and Microstructure in Polymer Nanocomposites. *Polymer Materials Science and Engineering Journal*.
- Sun, Limin.** (2002) Microstructural Studies of Thermal Spray Coatings for Biomedical Applications, Thesis. *Stony Brook University*. Stony Brook, NY.
- Vasquez, Marvin Jaime.** (2002) The Structure and Composition of Chromate Conversion Coatings Formed on Al-Cu Alloy AA2024-T3 and Thin Film Analogs of Constituent Intermetallic Compounds, Thesis. *Stony Brook University*. Stony Brook, NY.
- Wang, Xiaoyun.** (2002) Modeling of Rapid Solidification, Splat Morphology, and Melt Flow During Thermal Spraying, Thesis. *Stony Brook University*. Stony Brook, NY.
- Xuesong, Hu.** (2002) Dynamics of Polymer Films at Interfaces and With Nano Scale Fillers, Thesis. *Stony Brook University*. Stony Brook, NY.
- Zhang, Wenhua.** (2002) Polymer Blend Nanocomposite Thin Film, Thesis. *Stony Brook University*. Stony Brook, NY.

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

- Kulkarni, A.,** A. Vaidya, A. Goland, S. Sampath, and H. Herman. (2002) Processing Effects on Porosity-Thermal Conductivity Correlations in Plasma Sprayed Yttria-Stabilized Zirconia Coatings. *Mat. Sci and Eng. A*.
- Kulkarni, A.,** Z. Wang, T. Nakamura, S. Sampath, A. Goland, H. Herman, A. Allen, G. Long, J. Frahm, and R.W. Steinbrech. (2002) Small Angle Neutron Scattering Studies For Characterization And Modeling Of Plasma Sprayed Zirconia Coatings. *Acta. Ma.t.*
- Allen, A.J., G.G. Long, H. Boukari, J. Ilavsky, **A. Kulkarni,** S. Sampath, H. Herman, and A.N. Goland. (2002) Microstructural Characterization Studies to Relate the Properties of Thermal-Spray Coatings to Feedstock and Spray Conditions. *Surface and Coatings Technology 146-147:* 544-552.
- Sampath, S., X. Jiang, **A. Kulkarni,** J. Matejicek, D.L. Gilmore, and R.A. Neiser. (2002) Development of Process Maps for Plasma Spray: Case Study of Molybdenum. *Mat. Sci and Eng. A*.

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

- Rajamäki, E., T. Varis, **A. Kulkarni,** J. Gutleber, A. Vaidya, M. Karadge, S. Sampath, and H. Herman. (2002) Parameter Optimization of HVOF Sprayed Alumina and Effect of the Spray Parameters on the Electrical Properties of the Coatings. *Proc. ITSC 2002*. Essen, Germany.
- Kulkarni, A.,** Sampath S., Goland A., Herman H., Ilavshy J., Allen A.J., and Long G.G. (2002) Advanced Characterization of Imperfections in Ceramic Coatings. *ITSC 2002*. Essen, Germany.
- Kulkarni, A.** (2001) *MURI Study Workshop on Science and Technology of Thermal Barrier Coatings (TBCs)*. Absecon, NJ.
- Si, Mayu.** (2002) Improving Compatibility of Melt Blending of Poly(methyl methacrylate) and Polystyrene by Using Nanoscale fillers. *American Physic Society*. Indianapolis, IN.

MATHEMATICS

GRADUATE DIRECTOR: LOWELL JONES
DEPARTMENT CHAIR: DETLEF GROMOIL

❖ Grants, Fellowships, and Awards

Barsamian, Mark. (2002) Presidents Award for Excellence in Teaching by a Graduate Student. *Stony Brook University*, Stony Brook, NY.

❖ Singly Authored Publications/Research Reports/Reviews

Buse, Olguta. (2001) Relative Family of Gromov-Witten Invariants and Symplectomorphism (submitted).

Kim, Young Deuk. (2002) A Family of Pseudo Metrics on $B^{\wedge 3}$ and Its Application (preprint).

Perez, Rodrigo Alonso. (2001) Combinatorics of the Principal Nest (preprint).

Perez, Rodrigo Alonso. (2001) A Constructive Proof of the Right Angled Hexagon (preprint).

Sung, Chanyoung. (2002) Surgery, Curvature and Minimal Volume (preprint).

Sung, Chanyoung. (2001) Extremal Almost-Kaehler Metrics and Seiberg-Witten Theory. *Annals of Global Analysis and Geometry* (submitted).

Takhtajan, Leon, and Lee-Peng Teo. (2002) Liouville Action and Weil-Petersson Metric on Deformation Spaces, Global Kleinian Reciprocity and Holography (preprint).

❖ Jointly Authored Publications/Research Reports/Reviews

Andrews, G.E., and Rodrigo Alonso Perez. (2002) A New Partition Identity Coming from Complex Analysis. *Discr. Math* (submitted).

Kim, Jongsu, and Chanyoung Sung. (2001) Deformations of Almost-Kaehler Metrics with Constant Scalar Curvature on Compact Kaehler Manifolds. *Annals of Global Analysis and Geometry* (accepted for publication).

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

Buse, Olguta. (2002) Relative Parametric Gromov-Witten Invariants and Symplectomorphisms. *Sectional AMS Meeting*. Atlanta, GA.

Buse, Olguta. (2001) Relative Parametric Gromov-Witten Invariants and Symplectomorphisms. *Symplectic Topology Seminar*. Mathematics Department, Stony Brook University, Stony Brook, NY.

Buse, Olguta. (2001) Relative Parametric Gromov-Witten Invariants and Symplectomorphisms. *Mentoring Program for Women in Mathematics, IAS*. Princeton, NJ.

Buse, Olguta. (2001) Relative Parametric Gromov-Witten Invariants and Symplectomorphisms. *Geometry Seminar*. Pennsylvania State University, State College, PA.

- Buse, Olguta.** (2001) Supersymmetry and Enumerative Geometry. *IAS/PCMI Summer School in Quantum Field Theory*. Park City Mathematics Institute, Princeton, NJ.
- Coffey, Joe.** (2002) Symplectic Topology of a Surface Times the 2-Sphere. *Geometry/Topology Seminar*. Mathematics Department, Stony Brook University, Stony Brook, NY.
- Coffey, Joe.** (2001) Applications of the Hahn-Banach Theorem. *Graduate Student Seminar*. Department of Mathematics, Stony Brook University, Stony Brook, NY.
- Coffey, Joe.** (2001) Lefschetz Pencils and Symplectomorphism Groups. *Geometry/Topology Seminar*. Mathematics Department, Stony Brook University, Stony Brook, NY.
- Craig, Gordon.** (2001) The Ricci Flow on Three-Manifolds. *Graduate Student Seminar*. Department of Mathematics, Stony Brook University, Stony Brook, NY.
- Craig, Gordon.** (2001) L'Equation de Chaleur sur une Variete Riemannienne. *Colloque Pan-Quebecois ISM des Etudiants Avances*. Montreal, Quebec, Canada.
- Craig, Gordon.** (2001) Exotic 7-Spheres. *Graduate Student Seminar*. Department of Mathematics, Stony Brook University, Stony Brook, NY.
- Craig, Gordon.** (2001) Structures Differentielles Exotiques. *Seminaire des Etudiants Gradues de l'ISM*. Montreal, Quebec, Canada.
- Kalafat, Mustafa.** (2001) The Jones Polynomial of a Knot. *Graduate Student Seminar*. Department of Mathematics, Stony Brook University, Stony Brook, NY.
- Luna de Maria, Estela.** (2002) Renormalizations of Quantum Field Theories. *Centre for Mathematical Physics*. Boston University, Boston, MA.
- McIntyre, Andrew.** (2001) From Riemann-Roch to Atiya-Singer. *Graduate Student Seminar*. Department of Mathematics, Stony Brook University, Stony Brook, NY.
- McIntyre, Andrew.** (2001) Holomorphic and Spectral Objects on Riemann Surfaces and on Teichmuller Space. *Complex Analysis and Geometry Seminar*. Department of Mathematics, Stony Brook University, Stony Brook, NY.
- Milea, Anca.** (2001) Unsupervised Learning and Oja's Rule. *Conference on Non-Hyperbolic Dynamical Systems*. Gottingen, Germany.
- Milea, Anca.** (2001) The Topology of Henon Maps in C^2 . *Conference on Non-Hyperbolic Dynamical Systems*. Gottingen, Germany.
- Namizi, Hossein.** (2002) Stable Quasi-Geodesics in Teichmuller Space. *Complex Analysis Seminar*. Department of Mathematics, Stony Brook University, Stony Brook, NY.
- Perez, Rodrigo Alonso.** (2001) Finite Recurrence Patterns in the Quadratic Family. *Dynamical Systems Seminar*. Department of Mathematics, Stony Brook University, Stony Brook, NY.
- Perez, Rodrigo Alonso.** (2001) Finite Recursion Patterns in the Quadratic Family. *International Workshop in Dynamical Systems (ICTP)*. Trieste, Italy.
- Perez, Rodrigo Alonso.** (2001) Finite Recursion Patterns in the Quadratic Family. Semi-Annual Workshop in Dynamical Systems and Related Topics. Pennsylvania State University, State College, PA.
- Perez, Rodrigo Alonso.** (2001) Fibonacci Maps and Generalizations in the Quadratic Family. *Dynamical Systems Seminar*. Boston University, Boston, MA.
- Preston, Stephen.** (2002) Riemannian Geometry in Infinite Dimensions and Stability of Fluids. *Math. Club*. Department of Mathematics, Stony Brook University, Stony Brook, NY.
- Preston, Stephen.** (2002) Riemannian Geometry and Stability of Fluid Motion. *PDE/Analysis Seminar*. Department of Mathematics, Stony Brook University, Stony Brook, NY.
- Teo, Lee-Peng.** (2002) Non-Euclidean Geometries. *Math Club*. Department of Mathematics, Stony Brook University, Stony Brook, NY.

MATHEMATICS

Teo, Lee-Peng. (2002) Liouville Action and Weil-Petersson Metric on Deformation Spaces Global Kleinian Reciprocity and Holography. *Complex Analysis and Geometry Seminar*. Department of Mathematics, Stony Brook University, Stony Brook, NY.

Teo, Lee-Peng. (2001) Arithmetics of Algebraic Curves and the Theorem of Riemann Roch. *Graduate Student Seminar*. Department of Mathematics, Stony Brook University, Stony Brook, NY.

VanCoevering, Craig. (2002) Riemannian Holonomy and G_2 Structures. *Graduate Student Seminar*. Mathematics Department, Stony Brook University, Stony Brook, NY.

Xu, Ming. (2001) 4-manifolds with S^1 Actions and the Seiberg-Witten Theory. *Graduate Student Seminar*. Department of Mathematics, Stony Brook University, Stony Brook, NY.

❖ Post-Doctorates Obtained and Professional Appointments

Buse, Olguta. (2002) Visiting Research Instructor. *Michigan State University*, East Lansing, MI.

Coffey, Joe. (2002) NSF Postdoctoral Research Fellowship. *NYU* and *IHES*, France.

Craig, Gordon. (2001) Three Month Teaching Position. *University of Western Ontario*, London, Ontario, Canada.

McIntyre, Andrew. (2002) Three Year Postdoctoral Position. *The Ohio State University*, Columbus, OH.

Perez, Rodrigo Alonso. (2002) NSF Postdoctoral Research Fellowship. *Cornell University*, Ithica, NY.

Preston, Stephen. (2002) Postdoctoral Position. *University of Pennsylvania*, Philadelphia PA.

Teo, Lee-Peng. (2002) Assistant Professor. *National Chiao Tung University*, Taiwan, China.

❖ Other

Kalafat, Mustafa. (2002) Attended Seminar on Holomorphic Curves and Low Dimension Topology. *IAS*, Princeton, NJ.

Kalafat, Mustafa. (2002) Attended Conference. *Around Dynamics*. Stony Brook University, Stony Brook, NY.

Kalafat, Mustafa. (2002) Attended Summer School. *Scuola Matematica Interuniversitaria*, Perugia, Italy.

Kalafat, Mustafa. (2002) Attended Conference. *Ninth Gokova Geometry/Topology Conference*, Gokova, Turkey.

Kalafat, Mustafa. (2001) Attended Conference. Ahlfors-Bers Colloquim, University of Connecticut, Storrs, CT.

MECHANICAL ENGINEERING

GRADUATE DIRECTOR: LIN-SHU WANG

DEPARTMENT CHAIR: FU-PEN CHIANG

❖ Jointly Authored Publications/Research Reports/Reviews

- Alabi, Kehinde**, and Foluso Ladeinde. (2000) Effects of Upstream Turbulence on Flow Over a Turbine Blade. *Bulletin of the American Physical Society* 45 (9): 35.
- Fan, C.H., Sun, J.**, and Longtin, J.P. (2002) Plasma Absorption of Femtosecond Laser Pulses in Dielectrics. *Journal of Heat Transfer* 124: 275–283.
- Fan, C.H., Sun, J.**, and Longtin, J.P. (2002) Breakdown Threshold and Localized Electron Density in Water Induced by Ultrashort Laser Pulses. *Journal of Applied Physics* 91: 2530–2536.
- Gu, Y.**, Nakamura, T., Chen W.T., and Cotterell, B. (2001) Interfacial Delamination near Solder Bumps and UBM in Flip-Chip Packages. *ASME Journal of Electronic Packaging* 123: 295-301.
- Ma, Ronghui**, Hui Zhang, Vish Prasad, and Michael Dudley. (2002) Growth Kinetics and Thermal Stress in the Sublimation Growth of Silicon Carbide. *Crystal Growth and Design*.
- Dhanaraj, Govindhan, Xinrong Huang, Michael Dudley, Vish Prasad, and **Ronghui Ma**. (2001) Silicon Carbide Crystals – Part I: Growth and Characterization. *Crystal Growth for Modern Technology*. K. Byrappa and T. Ohachi, Eds. Southampton, UK: WIT Press.
- Sun, J.**, and Longtin, J.P. (2001) Inert Gas Beam Delivery for Ultrafast Laser Micromachining at Ambient Pressure. *Journal of Applied Physics* 89: 8219–8224.
- Gaudette, G.R., E. Azeloglu, **J. Todaro**, A.E. Saltman, I.B. Krukenkamp, F.P. Chiang. (2002) Determination of Regional Area Work Loops with High Spatial Resolution in the Heart.
- Gaudette, G.R., **J. Todaro**, I.B. Krukenkamp, F.P. Chiang. (2001) Computer Aided Speckle Interferometry: A Technique for Measuring Deformation on the Surface of the Heart. *Annals of Biomedical Engineering* 29: 775-780.
- Gaudette, G.R., E. Azeloglu, **J. Todaro**, L. Keene, I.B. Krukenkamp, F.P. Chiang. (2001) The Application of Speckle Metrology to the Heart. *Recent Advance in Experimental Mechanics* (in press).
- Gaudette, G.R., M. Lense, **J. Todaro**, E. Azeloglu, L. Keene, A.E. Saltman, I.B. Krukenkamp, F.P. Chiang. (2001) Effects of Ischemia on Epicardial Deformation in the Passive Rabbit Heart. *Journal of Biomedical Engineering*.
- Gaudette, G.R., **J. Todaro**, I.B. Krukenkamp, F.P. Chiang. (2001) Measuring Epicardial Deformation in the Regionally Ischemic Rabbit Heart. *Annals of Biomedical Engineering* 29: S-80.
- Gaudette, G.R., **J. Todaro**, F.P. Chiang, I.B. Krukenkamp. (2000) Assessing Ventricular Mechanics with Computer Aided Speckle Interferometry. *Annals of Biomedical Engineering* 28: S-58.
- Gaudette, G.R., F.P. Chiang, **J. Todaro**, I.B. Krukenkamp. (1999) A Novel Technique for Measuring Epicardial Deformation with High Spatial Resolution. *Biophysical Journal*: A309.
- Nakamura, Toshio, and **Zhiqiang Wang**. (2001) Computational Simulations of Crack Propagation in Porous Materials. *ASME Journal of Applied Mechanics* 68: 242-251.
- Ladeinde, F., and **Wu, J.** (2001) Second Order Nonlinear Stability of Mixing Layers. *Phys. Fluids* (submitted).
- Wu, J.**, Ladeinde, F., O'Brien, E.E., and Cai, X. (2000) Non-linear Spatial Instability of Mixing Layers. *Bull. American Physical Society* 45 (9): 42.

Singh, R.P., **Zhang, M.**, and Chan, D. (2002) Toughening of a Brittle Thermosetting Polymer: Effects of Reinforcement Particle Size and Volume Fraction. *Journal of Materials Science* 37: 781-788.

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

Reagan-Redko, Rita, and **Kehinde Alabi.** (2001) Electronic Gradebook. *Stony Brook University Teaching Assistant Workshop, Organized by CELT.* Stony Brook University, Stony Brook, NY.

Chang, Sheng, Warren, J., Hong, D., and Chiang, F.P. (2002) Testing Mechanical Properties of EPON SU-8 with SIEM. *2002 SEM Annual Conference and Exposition on Experimental and Applied Mechanics.* Milwaukee, WI.

Zhang, H., Larson, D.J., **Chen, T.H.**, and Xu, J. (2001) An Integrated Macro- And Micro-Scale Model for Detached Solidification in a Bridgman Growth System. *ASME International Mechanical Engineering Congress and Exposition.* New York, NY.

Zhang, H., Larson, D.J., Xu, J., **Chen, T.H.**, Wang, C.L. (2001) Kinetics and Heat Transfer of CdZnTe Bridgman Growth without Wall Contact. *American Institute of Aeronautics and Astronautics.*

Fan, C.H., Sun, J., and Longtin, J.P. (2001) Localized Electron Evolution Induced by Femtosecond Laser Pulses in Water. *The 2001 ASME International Mechanical Engineering Congress and Exposition.* New York, NY.

Fan, C.H., Sun, J., Longtin, J.P., and Sampath, S. (2001) Micromachining of Vias through Thermal-Sprayed Multilayer Structures Using Ultrafast Lasers. *The 2001 ASME International Mechanical Engineering Congress & Exposition.* New York, NY.

Li, Y., Chen, S.F., and Kao, I. (2002) Stiffness Control and Transformation for Robotic Systems with Coordinate and Non-Coordinate Bases. *IEEE International Conference on Robotics and Automation.* Washington, D.C.

Li, Y., Wang, G., Su, Y., and Kao, I. (2002) Analysis of Flow Rate Through Rectangular Orifices of MEMS Valves with Experimental Results. *IEEE Sensors 2002.* Orlando, FL.

Li, S.T., Ge, Q.J., Varshney, A. (2001) Web-based Interactive Design of Freeform Motions. *Proc. 2001 ASME Design Automation Conference:* Paper Number DETC2001/DAC21138. Pittsburgh, PA.

Li, Y., and Kao, I. (2001) A Review of Modeling of Soft-Contact Fingers and Stiffness Control for Dextrous Manipulation in Robotics. *IEEE International Conference on Robotics and Automation.* Seoul, Korea.

Ma, Ronghui, Hui Zhang, Vish Prasad, Seoyong Ha, and Marek Skowronski. (2001) Numerical Simulation of RF Heating for a SiC Vapor Growth System. *ASME International Mechanical Engineering Congress and Exposition.* New York, NY.

Sun, D., Zhang, H., Prasad, V., Kaljs, J., Mackintosh, M. (2001) An Advanced Multiblock Method for System Design of Silicon Tube Growth by EFG Technique. *ICCGE-13/ ICVGE-11.* Japan.

Sun, D., Zhang, H., Prasad, V., Kaljs, J., Mackintosh, M. (2001) System Design for Thermal Stress Reduction in Silicon Tube Growth by EFG Technique. *ACCGE-13.* Vormount.

Sun, D., Zhang, H., Prasad, V., Kaljs, J., Mackintosh, M. (2001) An Advanced Multiblock Method for Silicon Tube Growth by EFG Technique. *IMECE-2001.* New York, NY.

Sun, J., and Longtin, J.P. (2001) Ultrafast Laser Micromachining with a Liquid Film. *The 20th International Congress on Applications of Lasers & Electro-Optics (ICALEO 2001).* Jacksonville, FL.

Gaudette, G.R., **J. Todaro,** E.A. Azeloglu, I.B. Krukenkamp, F.P. Chiang. (2001) Determination of Regional Stroke Work with High Spatial Resolution in the Isolated Rabbit Heart. *Proceeds from*

- the ASME 2001 International Mechanical Engineering Congress and Exposition– 2001 Advances in Bioengineering*. New York, NY.
- Gaudette, G.R., **J. Todaro**, E. Guan, I.B. Krukenkamp, F.P. Chiang. (2000) Using Computer Aided Speckle Interferometry to Measure Deformation in the Non-Beating Perfused Rabbit Heart. *Proceeds from the ASME 2000 International Mechanical Engineering Congress and Exposition– 2000 Advances in Bioengineering* 48: 125-126.
- Gaudette, G.R., F.P. Chiang, **J. Todaro**, Krukenkamp I.B. (1999) Using Computer Aided Speckle Interferometry to Measure Pressure Effects on the Heart. *Proceeds from the 1999 ASME Pressure Vessels and Piping Conference* 392: 309-318.
- Gaudette, G.R., F.P. Chiang, **J. Todaro**, I.B. Krukenkamp. (1999) A Novel Technique for Measuring Regional Deformation with High Spatial Resolution in the Beating Heart. *Proceeds from the ASME 1999 International Mechanical Engineering Congress and Exposition– 1999 Advances in Bioengineering* 43: 239-240.
- Xia, J.**, and Ge, Q.J. (2001) An Exact Representation of Effective Cutting Shapes of 5-axis CNC Machining Using Rational Bezier and B-spline Tool Motion. *Proc. of IEEE International Conference on Robotics and Automation*: 342-347.
- Xu, J.**, and Zhang, H. (2001) Cell Rolling and Deformation in a Shear Flow: An Micro and Macro Integrated Model. *Biomedical Engineering Society 2001 Annual Fall Meeting*. North Carolina, NC.
- Zhang, H., Larson, D.J., Chen, T.H., and **Xu, J.** (2001). An Integrated Macro- and Micro-Scale Model for Detached Solidification in a Bridgman Growth System. *2001 ASME International Mechanical Engineering Congress and Exposition*. New York, NY.
- Wu, Bei**, and Zhang, H. (2001) Intensity and Uniformity of Gallium Nitride Deposition in Sublimation Sandwich Growth. *2001 ASME International Mechanical Engineering Congress and Exposition*. New York, NY.
- Wu, J.**, Ladeinde, F., and O'Brien, E.E. (2000) Second-Order Non-Linear Spatial Stability Analysis of Compressible Reacting Mixing Layers. *AIAA Paper 2000*: 0146. Reno, NV.
- Zhang, M.**, and Singh, R.P. (2001) Particulate Toughening of Unsaturated Polyester: Effect of Particle Size and Volume Fraction. *Proceedings of the SEM Annual Conference on Experimental and Applied Mechanics*. Portland, Oregon.
- Zhu, Liquan**. (2001) Equilibrium Elasto-Hydrodynamic Analysis in Wafer Slicing Process Using Wiresaw. *IMECE*. New York, NY.

❖ Post-Doctorates Obtained and Professional Appointments

- Fan, C.H.** (2001) Postdoctoral Research Associate. Department of Molecular Biology, *University of Wisconsin at Madison*, Madison, WI.

MOLECULAR AND CELLULAR BIOLOGY

GRADUATE DIRECTOR: W. TODD MILLER
DEPARTMENT CHAIR: WILLIAM J. LENNARZ

❖ Grants, Fellowships, and Awards

- Aggunag, Cristina.** (2001) Kevin King and John Miller Graduate Student Fellowship. *Stony Brook University*, Stony Brook, NY.
- Caputo, G.A.** (2001/2002) National Institutes of Health Predoctoral Trainee Fellowship. *NIGMS*, Bethesda, MD.
- Carlisle-Moore, Loretha.** (2001) Kevin King and John Miller Graduate Student Fellowship. *Stony Brook University*, Stony Brook, NY.
- Chenoweth, J.G.** (2001/2002) National Institutes of Health Predoctoral Trainee Fellowship. *NIGMS*, Bethesda, MD.
- Du, Yi-Chieh.** (2001) Scholar-in-Training Award. *American Association of Cancer Research*, PA.
- Favelyukis, S.** (2001) 1st rank at the 3rd Annual Van der Kloot Symposium Poster Session, \$500. *Stony Brook University*, Stony Brook, NY.
- Lake, M.W.** (2001/2002) Predoctoral Trainee Fellowship. *Institute for Cellular and Developmental Biology*, *Stony Brook University*, Stony Brook, NY.
- Lee, Lance.** (2001/2002) National Institutes of Health Predoctoral Trainee Fellowship. *NIGMS*, Bethesda, MD.
- Lee, Lance.** (2001) Kevin King and John Miller Graduate Student Fellowship. *Stony Brook University*, Stony Brook, NY.
- Lee, Lance.** (2001) Sigma Xi Travel Award. *Stony Brook University*, Stony Brook, NY.
- Louis-Jeune, Vedell.** (2001/2002) National Institutes of Health Predoctoral Trainee Fellowship. *NIGMS*, Bethesda, MD.
- Martin, Stephen.** (2001/2002) National Institutes of Health Predoctoral Trainee Fellowship. *NIGMS*, Bethesda, MD.
- Trujillo, Glenda.** (2001/2002) National Institutes of Health Predoctoral Trainee Fellowship. *NIGMS*, Bethesda, MD.
- Truglio, James.** (2001/2002) National Institutes of Health Predoctoral Trainee Fellowship. *NIGMS*, Bethesda, MD.
- Tworowski, Kathryn.** (2001/2002) National Institutes of Health Predoctoral Trainee Fellowship. *NIGMS*, Bethesda, MD.

❖ Jointly Authored Publications/Research Reports/Reviews

- Hammond, K., **Caputo, G.A.**, and London, E. (2002) Interaction of the Membrane-Inserted Diphtheria Toxin T Domain with Peptides and Its Possible Implications for Chaperone-like T Domain Behavior. *Biochemistry* 41 (9): 3243-3253.
- Dhanvantari, S., Arnaoutova, I., Snell, C.R., Steinbach, P.J., Hammond, K., **Caputo, G.A.**, London, E., and Loh, Y.P. (2002) Carboxypeptidase E, a Prohormone Sorting Receptor, is Anchored to Secretory Granules via a C-terminal Transmembrane Insertion. *Biochemistry* 41 (1): 52-60.

- Salghetti, S.E., Caudy, A.A., **Chenoweth, J.G.**, and Tansey, W.P. (2001) Regulation of Transcriptional Activation Domain Function by Ubiquitin. *Science* 293 (5535): 1651-1653.
- Favelyukis, S.**, Till, J., Hubbard, S.R. and Miller, W.T. (2001) Structure and Autoregulation of the Insulin-like Growth Factor 1 Receptor Kinase. *Nature Structural Bio.* 8 (12): 1058-1063.
- Faruqi, T.R., **Gomez, D.**, Bustelo, X.R., Bar-Sagi, D., and Reich, N.C. (2001) Rac1 Mediates STAT3 Activation by Autocrine IL-6. *Proc. Nat'l. Acad. Sci.* 98: 9014-9019.
- Grace, K.S.**, Bronson, R.A., and Ghebrehiwet, B. (2002) Surface Expression of Complement Receptor gC1q-R/p33 is Increased on the Plasma Membrane of Human Spermatozoa after Capacitation. *Biol. Reprod.* 66: 823-829.
- Lake, M.W.**, Wuebbens, M.M., Rajagopalan, K.V., Schindelin, H. (2001) Mechanism of Ubiquitin Activation Revealed by the Structure of a Bacterial MoeB-MoaD Complex. *Nature* 414: 325-329.
- Zhu, J.**, Mayeda, A., and Krainer, A.R. (2001) Exon Identity Established Through Differential Antagonism Between Exonic Splicing Silencer-bound hnRNP A1 and Enhancerbound SR Proteins. *Mol. Cell* 8: 1351-1361.

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

- Boykevich, Sean**, Wojtas, K., Walrad, P., Kramer, S., and Gergen, J.P. (2001) Characterization of Two Novel Runt Domain Genes in Drosophila. Transcriptional Regulation of Runt Domain Proteins in Development and Disease. *Seminar*. Dartmouth College, NH.
- Caputo, G.A.**, Lew, S., and London, E. (2002) Effect of Sequence on the Properties of Membrane-Inserted Hydrophobic Peptides. *46th Annual Biophysical Society Meeting*. San Francisco, CA.
- Du, Yi-Chieh.** (2001) Identification and Characterization of ORC-interacting Protein: Yphlp in Saccharomyces Cerevisie. *International Conference on Molecular Targets and Cancer Therapeutics*. Miami, FL.
- Favelyukis, S.** (2001) Till, J.H., Hubbard, S.R. and Miller, W.T. Regulation and Structure of the Insulin-like Growth Factor-1 Receptor Tyrosine Kinase. *Tyrosine Phosphorylation and Cell Signaling*. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.
- Reich, N.C., Faruqi, T.R., **Gomez, D.**, Bar-Sagi, D., and Bustelo, X.R. (2002) Rac1 Mediates STAT3 Activation by Autocrine IL-6. *Keystone Symposia: JAKs and STATs: Activation and Biological Impact*. Snowbird, UT.
- Gomez, D.**, and Reich, N.C. (2002) Interferon- α Stimulates Proliferation of Primary Human Endothelial Cells. *Gene Expression and Signaling in the Immune System*. Cold Spring Harbor, NY.
- Gomez, D.**, and Reich, N.C. (2001) Interferon- α Functions as a Stimulator of Primary Cell Proliferation. *Ann. Meeting of the International Society for Interferon and Cytokine Research*. Cleveland, OH.
- Faruqi, T.R., **Gomez, D.**, Bustelo, X.R., Bar-Sagi, D., and Reich, N.C. (2001) Rac1 Mediates STAT2 Activation by Autocrine IL-6. *Ann. Meeting of the International Society for Interferon and Cytokine Research*. Cleveland, OH.
- Grace, Kristen**, Bronson, R.A., and Ghebrehiwet, B. (2001) The Role of Complement Receptor gC1qR in the Signaling Events Leading to Acrosome Reaction in Human Spermatozoa. *Gordon Research Conference on Mammalian Embryogenesis and Gametogenesis*. Connecticut College, CT.
- Grace, Kristen**, Bronson, R.A. and Ghebrehiwet, B. (2001) Frontiers in Reproduction. *Marine Biological Laboratories*. Woods Hole, MA.
- Lake, M.W.** (2001) Structure of the MoeB-MoaD Complex Provides Insights into the Mechanism of Ubiquitin Activation. *Long Island Structural Biology Meeting*. Brookhaven National Laboratories, Upton, NY.

- Lake, M.W.** (2001) Mechanism of Ubiquitin Activation Revealed by the Structure of a Bacterial MoeB-MoaD Complex. *Gordon Conference for Molybdenum and Tungsten Enzymes*. Queen's College, Oxford, UK.
- Zhu, J.** (2001) Antagonism Between SR Proteins and hnRNP A1 in HIV-1 pre-mRNA Splicing Modulated by Juxtaposed Exonic Enhancers and a Silencer. *Sixth Annual Meeting of the RNA Society*. Banff, Alberta, Canada.
- Caceres, J., **Zhu, J.**, Manche, L., Huber, E., and Krainer, A.R. (2001) Mutational Analysis of SR Protein RS Domain Requirements in pre-mRNA Splicing, Subcellular Localization, and Shuttling. *Sixth Annual Meeting of the RNA Society*. Banff, Alberta, Canada.

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

- Berry, Dianna.** (2002) Postdoctoral Fellow. *Brookhaven National Laboratories*, Brookhaven, NY.
- Busby, Scott.** (2002) Postdoctoral Fellow. *University of Virginia*, Charlottesville, VA.
- Chen, Weidong.** (2002) Postdoctoral Fellow. *Harvard Medical School*, Cambridge, MA.
- Faleiro, Lavina.** (2002) Postdoctoral Fellow. *Brown University*, Providence, RI.
- Gergel, Edna.** (2002) Scientific Advisor. *Hofmann & Baron, LLP*.
- Kurtzman, Aaron.** (2002) Postdoctoral Fellow. *Maxygen, Inc.*, CA.
- Lee, Soyoun.** (2002) Postdoctoral Fellow. *Charite-Virchow Clinic*, Germany.
- McDonald, Christine.** (2002) Postdoctoral Fellow. *University of Michigan*, Ann Arbor, MI.
- Melchor, Jerry.** (2002) Postdoctoral Fellow. *The Rockefeller University*, New York, NY.
- Reilly, Patrick.** (2002) Postdoctoral Fellow. *Ontario Cancer Institute*, Ontario, Canada.
- Porter-Scott, Margaret.** (2002) Senior Scientist. *NeoGenesis, Inc.*, MA.
- Temel, Ryan.** (2002) Postdoctoral Fellow. *Wake Forest University*, Wiston Salem, NC.
- Zhu, Haitao.** (2002) Postdoctoral Fellow. *Stanford University*, Stanford, CA.
- Zhu, J.** (2002) Postdoctoral Fellow. *Harvard Medical School*, Cambridge, MA.

MOLECULAR GENETICS AND MICROBIOLOGY

GRADUATE DIRECTOR: JAMES KONOPKA

DEPARTMENT CHAIR: MICHAEL HAYMAN

❖ Grants, Fellowships, and Awards

Parrish, William. (2001) Abrahams Award for Outstanding Scientific Achievement by a Graduate Student, \$300. *Department of Molecular Genetics and Microbiology, Stony Brook University, Stony Brook, NY.*

Ryndak, Michelle. (2001) Mary Finkelstein Student Travel Award, \$500. *American Society of Microbiology, Orlando, FL.*

❖ Jointly Authored Publications/Research Reports/Reviews

Gumienny, T.L., Brugnera, E., Tosello-Tramont, A.C., **Kinchen, Jason M.**, Haney, L.B., Nishiwaki, K., Walk, S.F., Nemergut, M.E., Macara, I.G., Francis, R., Schedl, T., Qin, Y., Van Aelst, L., Hengartner, M.O., Ravichandran, K.S. (2001) CED-12/ELMO, A Novel Member of the CrkII/Dock180/Rac Pathway, Is Required for Phagocytosis and Cell Migration. *Cell* 107: 27-41.

Connolly, Sean E., and Benach, J.L. (2001) CUTTING EDGE: The Spirochetemia of Murine Relapsing Fever Is Cleared by Complement-Independent Bactericidal Antibodies. *The Journal of Immunology* 167: 3029-3032.

Evans, Jared, and Hearing, P. (2002) Adenovirus Replication in Adenovirus Vectors for Gene Therapy. *Academic Press, Inc.* (in press).

LaMonica, R., Kocer, S.S., Nazarova, J., **Dowling, William**, Geimonen, E., Shaw, R.D., Mackow, E.R. (2001) VP4 Differentially Regulates TRAF2 Signaling, Disengaging JNK Activation While Directing NF-kappa B to Effect Rotavirus-Specific Cellular Responses. *J Biol Chem* 276: 19889-96.

Leong, G.M., Subramaniam, N., **Figueroa, Jonine**, Flanagan, J.L., Hayman, M.J., Eisman, J.A., and Kouzmenko, A.P. (2001) Ski-Interacting Protein Interacts with Smad Proteins to Augment Transforming Growth Factor-Beta-Dependent Transcription. *J. Biol. Chem* 276: 18243-8.

Parrish, William, Eilers, M., Ying, W., and Konopka, J.B. (2002) The Cytoplasmic End of Transmembrane Domain Three Regulates the Activity of the G Protein-Coupled [alpha] Factor Receptor. *Genetics* 160: 429-43.

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

Kinchen, Jason M., and Hengartner, M.O. (2001) CED-12/ELMO, A Novel Member of the CrkII/Dock180/Rac Pathway, Is Required for Phagocytosis and Cell Migration. *Fourteenth International C. Elegans Meeting*. University of California Los Angeles, Los Angeles, CA.

Kinchen, Jason M., and Hengartner, M.O. (2001) CED-12/ELMO, A novel Member of the CrkII/Dock180/Rac Pathway, Is Required for Phagocytosis and Cell Migration. *Programmed Cell Death Meeting*. Cold Spring Harbor Laboratory, Cold Spring Harbor, NY.

Warena, Amy J., Martin S.W., Konopka, J.B. (2002) Septins Function in *Candida albicans* Morphogenesis. *Candida and Candidiasis*. Tampa, FL.

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

Parrish, William. (2002) Postdoctoral Associate. *University of California San Diego*, La Jolla, CA.

Warena, Amy J. (2002) Postdoctoral Associate. *Stony Brook University*, Stony Brook, NY.

MUSIC

GRADUATE DIRECTOR: DANIEL WEYMOUTH

DEPARTMENT CHAIR: JUDITH LOCHHEAD

❖ Grants, Fellowships, and Awards

- Browder, Zoe.** (2002) Fulbright Fellowship. *William Fulbright Foundation*, Stony Brook, NY.
- De Corso, Sara.** (2002) Grant to Study Early Music in the Netherlands. *The Frank Huntington Beebe Fund for Musicians*, Boston, MA.
- Francois, George.** (2002) First Place (The Kathryn G. Obenshain Award); Second Place (Adult Level). *The Twenty-Second Bartok-Kabalevsky-Prokofiev International Piano Competition*, Radford, VA.
- Morkoski, Molly.** (2002) Thayer Fellowship. *State University of New York*, Albany, NY.
- Rhyne, Jennifer.** (2001) Semi-Finalist. *Myrna Brown Flute Artist Competition*, Denton, TX.
- Rhyne, Jennifer.** (2001) Tied for Top Prize. *Young Artist Competition of the Flute Society of Washington, D.C.*, Washington, D.C.
- Shaw, Jennifer.** (2002) Arnold Schönberg Center Travel Grant, Eu 2000. *Arnold Schönberg Center*, Vienna, Austria.
- Shaw, Jennifer.** (2001) The Paul A. Pisk Prize, \$1000. *American Musicological Society*, Atlanta, GA.

❖ Singly Authored Publications/Research Reports/Reviews

- Newman, Paul Jared.** (2002) *Five Women Composers Arranged for Guitar*. Pacific, MO: Mel Bay Publications.
- Newman, Paul Jared.** (2001) Ernesto Nazareth: *Brazilian Tangos Arranged for Guitar*. Pacific, MO: Mel Bay Publications.
- Shaw, Jennifer.** (2002) Schönberg's Op. 14 Lieder. *Schönberg-Interpretationen*. G. Gruber and A. Müller, Eds. Vienna: Laaber Verlag.
- Shaw, Jennifer.** (2001) From Earthquakes to Concert Dress: *Parsifal* in Australia. *Parsifal*. M. Morley, Ed. Adelaide: State Opera of South Australia.

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

- Doll, Christopher.** (2002) 'New Tonality' and Steve Reich's Different Trains. *The Indiana University Symposium of Research in Music Theory*. Bloomington, Indiana.
- Hanley, Jason.** (2002) Stockhausen, Cage, and Pink Floyd: The Avant Garde in Art Rock. *International Association for the Study of Popular Music United States Chapter*. Internet E-Conference.
- Hanley, Jason.** (2001) The Land of Rape and Honey: Images of Fascist and Nazi Propaganda in the Music Videos of Ministry and Laibach. *Music/Image in Film and Multimedia Conference*. New York University, New York, NY.
- Heckert, Deborah.** (2001) Myth and Mayday: History and Nostalgia in the Victorian Masque. *Conference for Music in Nineteenth-Century Britain*. Royal College of Music, London, England.

MUSIC

- Heckert, Deborah.** (2001) Schoenberg and the Reception of Musical Modernism in pre-WWI London. *Annual Meeting of the American Musicological Society*. Atlanta, GA.
- Hyman, Stefan.** (2002) *Fighting the Power: The MP3 Phenomenon and Cyberlibertarianism*. Greater New York Chapter Meeting of the American Musicological Society. Stony Brook, NY.
- Shaw, Jennifer.** (2002) At the Cross-Roads: Schoenberg's Wartime Compositions and his Crisis of Faith, 1914-1918. *Arnold Schönberg und sein Gott. Symposium*. Arnold Schönberg Center, Vienna, Austria.
- Shaw, Jennifer.** (2001) New Performance Sources and Old Modernist Productions: *Die Jakobsleiter* in the Age of Mechanical Reproduction. *Annual Meeting of the American Musicological Society*. Atlanta, GA.

❖ Post-Doctorates Obtained and Professional Appointments

- Meyer, Jeffrey.** (2002) Orchestra Director. *University of Wisconsin*, Oshkosh, WI.
- Shaw, Jennifer.** (2002) Lecturer in Musicology. *Sydney Conservatorium of Music*, University of Sydney, Sydney, Australia.
- Shaw, Jennifer.** (2001-2002) Assistant Editor. *Musicology Australia*, Melbourne, Australia.
- Vaillancourt, Paul.** (2002) Assistant Professor of Percussion. *Schwob School of Music, Columbus State University*, Columbus, GA.
- Glancey, Gregory T.** (2002) Assistant Professor of Theory and Composition. *Vanguard University of Southern California*, Costa Mesa, CA.

❖ Performances

- Brown, James.** (2001) Claudio Monteverdi's *Il Ritorno d'Ulisse in Patria*. *New York City Opera*. New York, NY.
- Brown, James.** (2002) John Phillip Sousa's *The Glassblowers*. *New York City Opera*. New York, NY.
- Brown, James.** (2002) Beethoven *Symphony No. 9* (tenor soloist). *Atlantic Philharmonic*. Patchogue, NY.
- Liu, Qi.** (2002) Solo Recital. *Steinway Piano Festival*. University of Florida, Gainesville, FL.
- Liu, Qi.** (2002) Chamber Recital. *Pequot Library*. Southport, CT.
- Liu, Qi.** (2002) Fund-Raising Concert for South Asian Studies. *Harkness Auditorium*. Yale University, New Haven, CT.
- Liu, Qi.** (2001) Solo Piano Recital. *Whitney Center*. Hamden, CT
- Liu, Qi.** (2001) Solo Piano Recital. *Friends of the Classics*. Boca Raton, FL.
- Liu, Qi.** (2001) Solo Piano Recital. *Bet Shira Congregation*. Miami, FL.
- Liu, Qi.** (2001) Solo Piano Recital. *Lynn University*. Boca Raton, FL.
- Liu, Qi.** (2001) Solo Piano Recital. *Shanghai*. China.
- Morkoski, Molly.** (2002) Making Music Series. *Carnegie Weill Hall*. New York, NY.
- Morkoski, Molly.** (2002) Solo piano Appearance. *The New World Symphony*. Miami Beach, FL.
- Vaillancourt, Paul, Martin, Andree, Carrasco, Jacqui, Long, Kenneth, Russell, David, Docking, Simon, Kokolus, Barbara, Brown, James** ("The Furious Band"). (2001) World Premiere of Ricardo Zohn Muldoon's Chamber Opera *Comala*. *Teatro de Bellas Artes*. Mexico City, Mexico.

❖ Recordings

Rhyne, Jennifer. (2001) Two Muses—Flute and Classical Guitar. *Compact Disc*. Austin, TX.

NEUROBIOLOGY AND BEHAVIOR

GRADUATE DIRECTOR: MARY KRITZER
DEPARTMENT CHAIR: LORNE M. MENDELL

❖ Grants, Fellowships, and Awards

- Creutz, L.M.** (2001) NIH Predoctoral Training Grant. *Neurobiology and Behavior*, Bethesda, MD.
- Gleason, Michelle.** (2001) NIH Predoctoral Training Grant. *Neurobiology and Behavior*, Bethesda, MD.
- Kassem, I.S.** (2001) NIH Predoctoral Training Grant. *Neurobiology and Behavior*, Bethesda, MD.
- Schiffer, W.K.** (2002) Targeting the Neurochemistry of Nicotine Dependence. *F31 MH65132-01 NRSA Application Submitted to NIDA*. Scored 155. Awaiting funding decision.
- Van Wart, A.M.** (2001) NIH Predoctoral Training Grant. *Neurobiology and Behavior*, Bethesda, MD.

❖ Jointly Authored Publications/Research Reports/Reviews

- Martin, S., Levine, A.K., **Chen, Z.J.**, **Ughrin, Y.**, Levine, J.M. (2001) Deposition of the NG2 Proteoglycan at Nodes of Ranvier in the Peripheral Nervous System. *Journal of Neuroscience* 21: 8119-8128.
- Creutz, L.M.**, and Kritzer, M.F. (2002) Estrogen Receptor Beta Immunoreactivity in the Midbrain of Adult Rats: Regional, Subregional and Cellular Localization in the A10, A9, and A8 Dopamine Cell Groups. *J. Comp. Neurology* (in press).
- Haas, Kurt, **Jensen, Kendall**, Sin, Wun Chey, Faa, Lisa, Cline, Hollis T. (2002) Review for Differentiation (in press).
- Evinger, C., Mao, J.B., Powers, A.S., **Kassem, I.S.**, Schicatano, E.J., Henriquez, V.M., Peshori, K.R. (2002) Dry Eye, Blinking, and Blepharospasm. *Movement Disorders* 17 (2): S75-8.
- Li, W.**, Thaler, C., Brehm, P. (2001) Calcium Channels in Xenopus Spinal Neurons Differ in Somas and Presynaptic Terminals. *Journal of Neurophysiology* 86: 269-279.
- Gerasimov, M.R., Franceschi, M., Volkow, N.D., Gifford, A., Gatley, S.J., **Marsteller, D.A.**, Molina, P.E., Dewey, S.L. (2000) Comparison Between Intraperitoneal and Oral Methylphenidate Administration: A Microdialysis and Locomotor Activity Study. *J Pharmacol Exp Ther* 295: 51-57.
- Gerasimov, M.R., Ferrieri, R., **Schiffer, W.K.**, **Marsteller, D.A.**, Dewey, S.L. (2002) Study of Brain Uptake and Biodistribution of an Abused Inhalant Using PET and a Novel Radiotracer ¹¹C-toluene. *Life Sciences* 70: 2811-2828
- Gerasimov, M.R., **Schiffer, W.K.**, **Marsteller, D.A.**, Ferrieri, R., Alexoff, D., Dewey, S.L. (2002) Toluene Inhalation Produces Regionally Specific Changes in Extracellular Dopamine. *Drug Alcohol Depend* 65: 243-251.
- Marsteller, D.A.**, Gerasimov, M.R., **Schiffer, W.K.**, Geiger, J.M., Barnett, C.R., Schaich Borg, J., Volkow, N.D., Molina, P.E., Alexoff, D.A., Dewey, S.L. (2002) Acute Handling Stress Modulates Methylphenidate Induced Catecholamine Overflow in the Medial Prefrontal Cortex. *Neuropsychopharmacology* (in press).
- Gerasimov, M.R., **Schiffer, W.K.**, **Marsteller, D.A.**, Ashby, C., Gardner, E.L., Lennon, I.C., Taylor, S., Brodie, J.B., Dewey, S.L. (2001) GABAergic Blockade of Cocaine-Associated Cue-Induced Increase in Nucleus Accumbens Dopamine. *Eur J Pharm* 414: 205-209.

- Schiffer, W.K.**, Gerasimov, M.R., **Marsteller, D.A.**, Ashby, C.R., Brodie, J.D., and Dewey, S.L. (2001) Topiramate Selectively Attenuates Nicotine-Induced Increases in Monoamine Release. *Synapse* 42: 196-198.
- Schiffer, W.K.**, Gerasimov, M.R., **Marsteller, D.A.**, Hofmann, L.C., Alexoff, D.L., Ashby, C.R., Brodie, J.D., and Dewey, S.L. (2001) Gamma Vinyl GABA Modulates of NMDA-Antagonist Induced Dopamine Release in the Mesocorticolimbic System. *Neuropsychopharmacology* 25: 704-712.
- Ashby, C.R., **Schiffer, W.K.**, Horan, B., Brodie, J.D., Dewey, S.L., and Gardner, E.L. (2002) γ -Vinyl GABA (GVG) an Irreversible Inhibitor of GABA Transaminase, Attenuates Cocaine-Induced Sensitization in Rats. *J Pharm Exp Ther* (in press).
- Shao, Y.**, Akmentin, W., Toledo-Aral, J., Rosenbaum, J., **Valdez, G.**, Cabot, J., Hilbush, B., and Halegoua, S. (2002) Pincher, A Pinocytic Chaperone for Nerve Growth Factor/TrkA Signaling Endosomes. *J. Cell Biol.* (in press).
- Tong, J.**, Hannan, Frances, Zhu, Yinghua, Bernards, Andre, and Zhong, Yi. (2002) Neurofibromin Regulates G Protein-Stimulated Adenylyl Cyclase Activity. *Nature Neuroscience* 5(2).
- Jatzke, C., **Watanabe, J.**, Wollmuth, L.P. (2002) Voltage and Concentration Dependence of Ca(2+) Permeability in Recombinant Glutamate Receptor Subtypes. *J. Physiol.* 538: 25-39.

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- Chen, B.E.**, Trachtenberg, J.T., Feng, G., Sanes, J.R., Svoboda, K. (2001) Dendritic Spine Growth in Adult Neocortex In Vivo. *Annual meeting of the Society for Neuroscience*. San Diego, CA.
- Creutz, L.M.**, and Kritzer, M.F. (2001) Immunoreactivity for the Estrogen Receptor Beta Isoform Colocalizes with Subsets of Midbrain Dopamine Neurons in Adult Rats. *Annual Meeting for the Society for Neuroscience*. San Diego, CA.
- Henriquez, V.M.**, and Evinger, L.C. (2001) Caudal Trigeminal Nucleus Modulates Corneal Reflex Blink Amplitude. *Annual Meeting for the Society for Neuroscience*. San Diego, CA.
- Schicatanio, E.J., **Kassem, I.S.**, Evinger, C., Dey, P.M. (2002) Manganese Exposure Increases Blink Reflex Excitability in Sprague-Dawley Rats. *Society for Toxicology Annual Meeting*. Nashville, TN.
- Kassem, I.S.**, and Evinger, L.C. (2001) Do Humans Exhibit Eyelid Dominance? *Annual Meeting for the Society for Neuroscience*. San Diego, CA.
- Marsteller, D.A.**, **Schiffer, W.K.**, Gerasimov, M.R., Volkow, N.D., Dewey, S.D., Ashby, C.R. Jr. (2001) Stress Modulation of Methylphenidate induced Catecholamine Overflow. *Annual Meeting for the Society for Neuroscience*. San Diego, CA.
- Marsteller, D.A.**, Gerasimov, M.R., **Schiffer, W.K.**, Brodie, J.D., Dewey, S.L., Ashby, C.R. Jr. (2000) Time Course of GABAergic Inhibition of Nicotine or Cocaine Induced Increases in Nucleus Accumbens Dopamine. *Society for Neuroscience Abstr.* 26: 1146.
- Marsteller, D.A.**, Gerasimov, M.R., Ashby, C.R. Jr., **Schiffer, W.K.**, Gardner, E.L., Brodie, J.D. and Dewey, S.L. (2000) GABAergic Blockade of Cue-Induced Increases in Nucleus Accumbens Dopamine in Freely Moving Animals. *American College of Neuropsychopharmacology* 40: 2000.
- Muscat-Kelly, Louise**, Huberman, A.D., and Morin, L.P. (2002) Symmetry and Distribution of the Retinohypothalamic Tract Terminal Field in the Hamster Suprachiasmatic Nucleus: A Double Label Fluorescent Tract Tracing Study. *Sleep Research Society/Society for Research on Biological Rhythms Joint Meeting*. Amelia Island Plantation, Jacksonville, FL.
- Schiffer, W.K.**, **Marsteller, D.A.**, Gerasimov, M.R., Carter, P., King, P., Shea, C., Logan, J., Alexoff, D.L. and Dewey, S.L. (2002) Functional Alterations in GABAergic or Glutamatergic Modulation of

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- Dopamine (DA) by Chronic Neuroleptic Treatment: Positron Emission Tomography (PET) Studies in Healthy Primates. *Society for Nuclear Medicine 49th Annual Meeting*. Los Angeles, CA.
- Schiffer, W.K., Marsteller, D.A.,** Gerasimov, M.R., Alexoff, D.L., Logan, J., Brodie, J.D., and Dewey, S.L. (2002) Prolonged Neuroleptic Exposure Differentially Alters the Endogenous Regulation of Dopamine (DA): Serial ¹¹C-raclopride PET Studies of GABAergic and Glutamatergic Modulation of DA in Primates Treated with Clozapine or Haloperidol. *Neuroreceptor Mapping Conference*. Oxford, England.
- Schiffer, W.K.,** Gerasimov, M.R., **Marsteller, D.A., Van Wart, A.M.,** Brodie, J.D., Dewey, S.L. (2001) Paradoxical Effects of Dizocilpine (MK-801) or Phencyclidine (PCP) on Dopamine Transporter (DAT) Activity: Positron Emission Tomography (PET), Autoradiography and Microdialysis Studies. *Annual Meeting of the Society for Neuroscience*. San Diego, CA.
- Schiffer, W.K.,** and Dewey, S.L.D. (2001). Acute, Chronic or Residual Effects of Neuroleptic Treatment on ¹¹C-raclopride Binding in the Non-human Primate: Serial Positron Emission Tomography Studies Over Time. *Hot Topics Selection, American College of Neuropsychopharmacology*. Caribe Hilton, HI.
- Tai, Lung-Hao.** (2001) *IN VIVO* Whole Cell Recording Of Synaptic Responses Underlying Two-Tone Interactions In Rat Auditory Cortex. *Annual Meeting of Society for Neuroscience*. San Diego, CA.
- Van Wart, A.M.,** Adler, A.P., Kritzer, M.F. (2001) Region-Specific Effects of Ovariectomy on Tyrosine Hydroxylase and Serotonin Immunoreactivity in the Neostriatum of Adult Female Monkeys. *Annual Meeting of the Society for Neuroscience*. San Diego, CA.
- Watanabe, J.,** C. Jatzke, and L.P. Wollmuth. (2001) Domains Underlying the Block of NMDA Receptor Channels by Extracellular Ca²⁺. *Society for Neuroscience 703*: 10.
- Jatzke, C., **Watanabe, J.,** and Wollmuth, L.P. (2001) Determinants of Calcium Influx in Calcium-Permeable AMPA Receptor Channels. *Society for Neuroscience 480*: 1.
- Zimov, S.,** Yazulla, S. (2002) Immunolocalization of the Vanilloid (Capsaicin) Receptor 1 Polyclonal Antibody in the Goldfish Retina. *Annual meeting for the Association for Research in Vision and Ophthalmology*. Fort Lauderdale, FL.

❖ Post-Doctorates Obtained and Professional Appointments

- Li, Z.** (2001) Postdoctoral Appointment. *Massachusetts Institute of Technology*, Cambridge, MA.
- Shao, Y.** (2002) Postdoctoral Appointment. *Cornell University Medical Center*, New York, NY.
- Tong, J.** (2002) Postdoctoral Appointment. *Cold Spring Harbor Laboratory*, Cold Spring Harbor, NY.

ORAL BIOLOGY AND PATHOLOGY

GRADUATE DIRECTOR: JERRY POLLOCK
DEPARTMENT CHAIR: ISRAEL KLEINBERG

❖ Singly Authored Publications/Research Reports/Reviews

Liu, Yu. (2002) Chemically Modified Tetracyclines (CMTs) as New Antifungal Agents, Ph.D. Thesis. *Stony Brook University*. Stony Brook, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

Wang, Y., Rotem, E., **Andriani, F.**, Fusenig, N.E., and Garlick, J.A. (2001) Smokeless Tobacco Modulates Keratinocyte and Fibroblast Growth in Organotypic Culture. *J. Dent. Res.* 80: 1862-1866.

Liu, Yu, Ryan, Maria E., Lee, Hsi-Ming, Simon, Sanford, Tortora, George, Lauzon, Carol, Leung, Michael K., Golub, Lorne M. (2002) A Chemically Modified Tetracycline (CMT-3) as a New Antifungal Agent. *Antimicrobial Agents and Chemotherapy* 46: 1447-1454.

Liu, Yu, Tortora, George, Ryan, Maria E., Lee, Hsi-Ming, and Golub, Lorne M. (2002) Potato Dextrose Agar Antifungal Susceptibility Testing for Yeasts and Molds: Evaluation of Phosphate Effect on Antifungal Activity of CMT-3. *Antimicrobial Agents and Chemotherapy* 46: 1455-1461.

Dzamba, B.J., Keene, D.R., Isogai, Z., Charbonneau, N.L., **Karaman-Jurukovska, N.**, Simon, M., and Sakai, L.Y. (2001) Assembly of Epithelial Cell Fibrillins. *J Invest Dermatol* 117: 1612-20.

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

Andriani, F., Fusenig, N.E., Froum, S., Pawagi, S., Maher, K., Pfeiffer, L., and Garlick, J.A. (2002) Basement Membrane and TGF β -1 Modulate the Behavior of Human Tumor Cells in Organotypic Culture. *American Association of Dental Research*. San Diego, CA.

Mathew, S., **Andriani, F.**, Nguyen, L.M., and Garlick, J.A. (2002) The Influence of Oral Fibroblasts on Determination of Regional Specificity of Oral Epithelium. *American Association of Dental Research*. San Diego, CA.

Andriani, F., Margolis, M., Vaccariello, M., Wang, Y., Fusenig, N.E. and Garlick, J.A. (2001) Cell-Cell and Cell-Matrix Interactions in Early Neoplastic Progression. *American Association of Dental Research*. San Diego, CA.

Andriani, F., Wang, Y., Vaccariello, M., and Garlick, J.A. (2001) Epithelial Interactions with Basement Membrane Control Early Neoplastic Progression in Tissue Models of Premalignant Disease. *Society of Investigative Dermatology*. Washington, D.C.

Andriani, F., Segal, N., Fusenig, N.F., Vaccariello, M., Garlick, J.A. (2001) Epithelial-Mesenchymal Interactions Modulate Progression of Intraepithelial Neoplasia in Tissue Models of Human Premalignant Disease. *American Society for Cell Biology*. Washington, D.C.

Liu, Yu, Ryan, M., Lee, H.M., Sorsa, T., Salo, T., Tjaderhane, L., Walker, S., and L. Golub. (2002) A Chemically Modified Tetracycline (CMT-3) Inhibits a Metalloproteinase of *C. albicans*. *American Association of Dental Research*. San Diego, CA.

ORAL BIOLOGY AND PATHOLOGY

❖ Post-Doctorates Obtained and Professional Appointments

Spradley, Thomas. (2001) Post-doctoral Associate. Oral Biology and Pathology, *Stony Brook University*, Stony Brook, NY.

Vaccariello, Michael. (2001) Post-doctoral Associate. Oral Biology and Pathology, *Stony Brook University*, Stony Brook, NY.

❖ Other

Liu, Yu, Golub, Lorne M., Ryan, Maria E., Lee, Hsi-Ming, Simon, Sanford. (2001) Non-Antibacterial Tetracycline as Antifungal Agents. *International Patent* (PCT/US01/17750).

PHILOSOPHY

GRADUATE DIRECTOR: JEFF EDWARDS

DEPARTMENT CHAIR: KELLY OLIVER

❖ Grants, Fellowships, and Awards

Alfonso, Doris Rita. (2001-2002) W. Burghardt Turner Fellowship. *Stony Brook University*, Stony Brook, NY.

Alfonso, Doris Rita. (2002) W. Burghardt Turner Postdoctoral Faculty Traineeship (awarded for the academic years 2002-2005). *Stony Brook University*, Stony Brook, NY.

Altschuler, Roman. (2001-2002) Graduate Council Fellowship. *Stony Brook University*, Stony Brook, NY.

Arruda, Caroline. (2001-2002) University Fellowship. *Stony Brook University*, Stony Brook, NY.

Bredlau, Susan. (2002) Jacob Javits Fellowship / DAAD Scholarship. *DAAD Summer Program*. Humboldt University, Berlin, Germany.

Eason, Robb. (2001-2002) Fellow of the *Transatlantic Collegium of Philosophy*.

Emmer, C.E. (2001-2002) Fellow of the *Transatlantic Collegium of Philosophy*.

Fristedt, Peter. (2002) Fellow of the *Transatlantic Collegium of Philosophy*.

Hammerly, Sarah. (2002-2002) Graduate Council Fellowship. *Stony Brook University*, Stony Brook, NY.

Hammerly, Timothy. (2001-2002) W. Burghardt Turner Fellowship. *Stony Brook University*, Stony Brook, NY.

Humphrey, Paul. (2001-2002) Fellow of the *Transatlantic Collegium of Philosophy*.

Hoff, Shannon. (2001-2002) DAAD Scholarship.

Hoff, Shannon. (2001-2002) Fellow of the *Transatlantic Collegium of Philosophy*.

Hoff, Shannon. (2001) Travel Grant. *Graduate Student Association*. *Stony Brook University*, Stony Brook, NY.

Hughes, Michael. (2001-2002) Fellow of the *Transatlantic Collegium of Philosophy*.

Jansen, Julia. (2002) Doctoral Fellowship. *Philippis-Universitiit*, Marburg, Germany.

Jansen, Julia. (2001-2002) Fellow of the *Transatlantic Collegium of Philosophy*.

Johns, Chris. (2002) Fellow of the *Transatlantic Collegium of Philosophy*.

Kaposy, Christopher. (2001-2002) Presidential Fellowship. *Stony Brook University*, Stony Brook, NY.

Kautzer, Chad. (2001-2002) Presidential Fellowship. *Stony Brook University*, Stony Brook, NY.

Lee, Emily. (2002) Dissertation Fellowship. *LeMoyne College*, Syracuse, NY.

Levenberg, Nicolas. (2001-2002) Graduate Council Fellowship. *Stony Brook University*, Stony Brook, NY.

Matey, Jennifer. (2002) President's Award for Excellence in Teaching. *Stony Brook University*, Stony Brook, NY.

Mayock, Matthew. (2001-2002) University Fellowship.

Miller, Sarah Clark. (2001-2002) Doctoral Fellowship. *Philippis-Universitiit*, Marburg, Germany.

Miller, Sarah Clark. (2001-2002) Fellow of the *Transatlantic Collegium of Philosophy*.

PHILOSOPHY

- Nass, Sherri.** (2001-2002) Doctoral Fellowship. *Max Kade Foundation.*
- Nass, Sherri.** (2001-2002) Fellow of the Transatlantic Collegium of Philosophy. *Stony Brook University, Stony Brook, NY.*
- Paccacerqua, Cynthia.** (2001-2002) W. Burghardt Turner Fellowship. *Stony Brook University, Stony Brook, NY.*
- Polhaus, Gaile.** (2001-2002) University Learning Communities Fellowship. *Stony Brook University, Stony Brook, NY.*
- Polhaus, Gaile.** (2001-2002) Curriculum Development Grant. *Learning Communities Program, Stony Brook University, Stony Brook, NY.*
- Reimer, Sarah.** (2001-2002) Presidential Fellowship. *Stony Brook University, Stony Brook, NY.*
- Sanders, Michael.** (2001-2002) Fellowship. *Department of Philosophy and Religion, Rollins College, Winter Park, FL.*
- Saner, Senem.** (2001-2002) Fellow of the *Transatlantic Collegium of Philosophy.*
- Selinger, Evan.** (2002) President's Award for Excellence in Teaching. *Stony Brook University, Stony Brook, NY.*
- Selinger, Evan.** (2002) Mildred and Herbert Weisinger Dissertation Fellowship. *Stony Brook University, Stony Brook, NY.*
- Selinger, Evan.** (2002) Morris Cohen Award for Teaching Excellence. *Department of Philosophy, Stony Brook University, Stony Brook, NY.*
- Selinger, Evan.** (2002) University Learning Communities Fellowship. *Stony Brook University, Stony Brook, NY.*
- Selinger, Evan.** (2002) Curriculum Development Grant. *Learning Communities Program, Stony Brook University, Stony Brook, NY.*
- Shim, Michael.** (2001-2002) Doctoral Fellowship. *Max Kade Foundation.*
- Shim, Michael.** (2001-2002) Fellow of the *Transatlantic Collegium of Philosophy.*
- Smith, Aaron.** (2001-2002) University Learning Communities Fellowship. *Stony Brook University, Stony Brook, NY.*
- Smith, Aaron.** (2001-2002) Curriculum Development Grant. *Learning Communities Program, Stony Brook University, Stony Brook, NY.*
- Smith, Andrew.** (2002-2002) Graduate Council Fellowship. *Stony Brook University, Stony Brook, NY.*
- Taylor, Ann.** (2001-2002) Presidential Award. *Stony Brook University, Stony Brook, NY.*
- Thiel, Daniel.** (2001) Morris Cohen Award for Teaching Excellence, \$250. *Department of Philosophy, Stony Brook University, Stony Brook, NY.*
- Thiel, Daniel.** (2001-2002) Department of Philosophy Paris Exchange Award (spent the year at the Ecole Normale Supérieure in Paris). *Department of Philosophy, Stony Brook University, Stony Brook, NY.*
- Welsh, Talia.** (2001-2002) Doctoral Fellowship. *Max Kade Foundation.*
- Welsh, Talia.** (2001-2002) Fellow of the *Transatlantic Collegium of Philosophy.*
- Zavota, Gina.** (2001-2002) Graduate Council Fellowship. *Stony Brook University, Stony Brook, NY.*

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

- Emmer, C.E.** (2001) The Senses of the Sublime: Possibilities for a Non-Ocular Sublime in Kant's Critique of Judgment. *Kant und die Berliner Aufklärung: Akten des 9. Internationalen Kant-Kongresses 3*. Gerhardt Volker, Rolf Horstmann, and Ralph Schumacher, Eds. Berlin/New York: de Gruyter: 512-519.
- Hale, Benjamin.** (2002) Review of *The Phenomenology of Modern Legal Discourse* by William E. Conklin. *Symposium VI* (1).
- Hale, Benjamin.** (2001) Headstrong and Heartfelt. *Z-Magazine* (online edition): <http://www.zmag.org/CrisesCurEvts/Globalism/answerkrug.htm>.
- Miller, Sarah Clark.** (2001) The Lived Experience of Doubling: Simone de Beauvoir's Phenomenology of Old Age. *The Existential Phenomenology of Simone de Beauvoir*. Wendy O'Brien and Lester Embree, eds. Dordrecht: Kluwer Academic Publishers.
- Miller, Sarah Clark.** (2002) Filial Obligation, Kant's Duty of Beneficence and Need. *Biomedical Ethics Reviews*. Robert Almeder and James Huber, eds. Totowa, NJ: Huniana Press.
- Miller, Sarah Clark.** (2002) Review of *Mother Time: Women, Aging and Ethics* by Margaret Urban Walker. *Teaching Philosophy* 25 (2): 178-183.
- Polhaus, Gaile.** (forthcoming) Diversity and Communication in Feminist Theory in Communication, Conflict, and Reconciliation. *Social Philosophy Today 17*. Cheryl Hughes and James Wong, Eds.
- Polhaus, Gaile.** (2002) Review of *Is Academic Feminism Dead? Theory in Practice*. Edited by The Social Justice Group at The Center for Advanced Feminist Studies. *Metapsychology Online* (June 23rd, 2002): <http://mentalhelp.net/books/books.php?type=de&id=1213>.
- Polhaus, Gaile.** (2002) Understanding Across Difference: Thinking Interactively in *Wissen Macht Geschlecht/ Knowledge Power Gender. Philosophie und die Zukunft der condition feminine/ Philosophy and the Future of the condition feminine*. Birgit Christensen, Ed. Zurich: Chronos Press.
- Schull, Stephanie Grace.** (2001) Knowing Thyself: Paradox, Self-Deception, and Intersubjectivity. *Analecta Husserliana: Truth in its Various Perspectives*. A.T. Tymieniecka, Ed. Boston: Kluwer.
- Schull, Stephanie Grace.** (2001) The Paradoxical Nature of Deception. *Papers of the Forum of European Philosophy, London School of Economics and the School of Advanced Study University College London*. <http://www.philosophyforum.org/lectures/Deception.html>.
- Selinger, Evan.** (2001) Human Genome Project: Public Perception and Expert Evaluation. *Contexts: A Forum for Medical Humanities* 9 (3): 9-13.
- Selinger, Evan.** (2002) Review of *The Invention of Modern Science* by Isabelle Stenger. *The Quarterly Review of Biology* 77 (2): 182-184.
- Selinger, Evan.** (2001) Review of *Cracking the Genome: Inside the Race to Unlock Human DNA* by Kevin Davies. *The Quarterly Review of Biology* 76 (4): 492.
- Selinger, Evan.** (2001) Review of *A Darwinian Left: Politics, Evolution, and Cooperation* by Peter Singers. *The Quarterly Review of Biology* 76 (3): 335.

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

- Selinger, Evan,** and Don Idhe, Eds. (Forthcoming) *Chasing Techno-Science: A Matrix*. Bloomington: Indiana University Press.
- Selinger, Evan,** and Robert Crease. (2001) *Dreyfus on Expertise: The Limits of Phenomenological Analysis*. *Continental Philosophy Review*.

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

- Emmer, C.E.** (2001) Kant's Aesthetics and Fractal Art. *SPSCVA, American Philosophical Association* (Eastern Division). Atlanta, GA.
- Hale, Benjamin.** (2001) Identity Crisis: Face Recognition Technology and Freedom of the Will. *American Philosophical Association -- Morality in the 21st Century Conference*. University of Delaware. Wilmington, DE.
- Hale, Benjamin.** (2001) Locked Away: Deliberation, Practical Identity, and the Prison Industrial Complex. *Thinking about Prisons Conference*. SUNY Cortland. Cortland, NY.
- Hale, Benjamin.** (2001) Federalism: Local Legislative Authority or Representation in National Legislation? by Jean-Christophe Merle. Translation from the German. *3rd High Level Scientific Conferences Program*. European Commission on Federalism and Subsidiarity, Italy.
- Lee, Emily.** (2002) Meaning, Creativity and the Visible Differences of the Body. *American Philosophical Association* (Central Division). Chicago, IL.
- Lee, Emily.** (2002) A Phenomenological Reading of Race. *Le Moyne College*. Syracuse, NY.
- Lee, Emily.** (2002) The Meaning of Visible Differences of the Body. *American Philosophical Association* (Pacific Division). Seattle, WA.
- Lee, Emily.** (2001) Visible Differences of the Body as Possibilities for Creative Meaning. *Intersectionalities: Feminism and Critical Race Theory. Midwest Society for Women in Philosophy* (SWIP). Illinois State University, IL.
- Miller, Sarah Clark.** (2002) Conference Organizer. *Gender and Moral Subjectivity: Feminist Dimensions of Practical Philosophy*. Philipps-Universititt, Marburg, Germany.
- Miller, Sarah Clark.** (2001) A Feminist Commentary on Aged-Based Rationing. *Morality and the 21st Century*. University of Delaware, Newark, DE.
- Miller, Sarah Clark.** (2001) Old Women and Morality: A Prolegomena to Any Future (Grand)maternal Ethics. *The First FEAST Feminist Ethics and Social Theory*. Clearwater Beach, FL.
- Polhaus, Gaile.** (2002) Understanding as Practical Relationship: An Alternative to Analogizing Experiences. *19th International Social Philosophy Conference*. Eugene, OR.
- Sanders, Michael.** (2002) Organizer and Chair. Performance and the Ethics of Phenomenology. *International Association for Philosophy and Literature*. Erasmus University. Rotterdam, The Netherlands.
- Sanders, Michael.** (2002) Is the White House a Terrorist Organization? Chomsky's Response to 9-11. *Invited Speaker*. Rollins College, Winter Park, FL.
- Sanders, Michael.** (2001) Just War and the Ethics of Globalization. *Florida Humanities Council*. Orlando, FL.
- Sauder, Christopher.** (2001) The Political Philosophy of Emmanuel Levinas. *Society for Phenomenology and Existential Philosophy*. Goucher College, Baltimore, MD.
- Schull, Stephanie Grace.** (2001) Sifting Through Levels of Reality: Paradox, Psycho-Physical Parallelism, and the Tiers Inclus. *Stephane Lupasco: A Thinker for the Third Millennium*. IAI: Institute of European Studies.
- Schull, Stephanie Grace.** (2001) The Paradoxical Nature of Deception. *Forum of European Philosophy of the London School of Economics and the School of Advanced Study University College London, Conference on Anglophone and European Philosophy of Mind*. Senate House, London, England.

- Schull, Stephanie Grace.** (2000) Knowing Thyself: Paradox, Self-Deception, and Intersubjectivity. *Fiftieth International Phenomenology Congress*. Puebla, Mexico.
- Selinger, Evan.** (2002) What is an Expert? *Long Island Philosophical Society*. Department of Philosophy, Long Island University, Brooklyn, NY.
- Selinger, Evan.** (2002) Hubert Dreyfus and the Transparency of Expertise. *Organizing Visions: The Ambivalence of Transparency in Science, Technology, and Politics*. Department of STS, Cornell University, NY.
- Selinger, Evan.** (2001) Experts and Democracy. *Knowledge in Plural Context*. Lausanne, Switzerland.
- Selinger, Evan.** (2001) Can 'Values Experts' Bridge the gap between Experts and the Public? *6th International Conference on Public Communication of Science & Technology*. Cern Laboratory, Geneva, Switzerland.
- Smith, Aaron.** (2001) The Importance of Judge Wilhelm in Understanding Kierkegaard's Three Stages. Invited Lecture. *Simon's Rock College*. Great Barrington, ME.
- Smith, Andrew.** (2001) Externalism, Authoritative Self-Knowledge, and Adaptation to Slow Switching. *1st Annual University of Rochester Graduate Student Epistemology Conference*. Rochester, NY.
- Smith, Andrew.** (2002) The Philosopher and the Political Life: William James and the Motivation for Political Participation. *29th Annual Convention for the Society for the Advancement of American Philosophy*. University of Southern Maine, ME.
- Smith, Andrew.** (2002) Pluralism and the Possibility of Consensus. *19th International Conference of the North American Association of Social Philosophy*.

❖ **Internship Appointments**

- Schull, Stephanie Grace.** (2001-2002) Faculty in Progress Recipient. Department of Philosophy and Religious Studies, *Glendale Community College*, Phoenix, AZ.

PHYSICS AND ASTRONOMY

GRADUATE DIRECTOR: PETER STEPHENS

DEPARTMENT CHAIR: PAUL GRANNIS

❖ Grants, Fellowships, and Awards

Beck, Tracy. (2002) Gemini Science Fellow. *Gemini North Observatory*, Hilo, HI.

Berger, C.F. (2001) DPF Snowmass Travel Fellowship, \$1,000. *American Physical Society, Division of Particles and Fields*, Snowmass, CO.

Cardona, J. (2002) Melvin Month Travel Fellowship, \$1,250, 0.06 (3 weeks). *Division of Physics of Beams*, College Park, MD.

Fliller III, R.P. (2002) BurGoZ Instrumentation Fellowship, \$1,500. *Bergoz Instrumentation*, Saint Genis Pouilly, France.

Jaikumar, Prashanth. (2002) Peter B. Kahn Fellowship, \$500. *Stony Brook University*, Stony Brook, NY.

Lin, Y. (2001) Travel Award for Young Investigators, \$1,044.33. *National Science Foundation*, Arlington, VA.

Partlow, M. (2002) Optics Fellowship. \$12,000. *National Science Foundation*, Arlington, VA.

❖ Singly Authored Publications/Research Reports/Reviews

Garcia-Garcia, A.M. (2001) Spectral Properties of a Generalized Gaussian Unitary Ensemble. *Physical Review E* 64: 066121.

Moura, Filipe. (2001) Four dimensional $N=1$ Supersymmetrization of R^4 in Superspace. *Journal of High Energy Physics* 9: 26.

❖ Jointly Authored Publications/Research Reports/Reviews

Berger, C.F., T. Kucs, G. Sterman. (2002) Energy Flow in Interjet Radiation. *Physical Review D* 65: 09.

Cashen, M., O. Rivoire, L. Yatsenko, H Metcalf. (2002) Coherent Exchange of Momentum Between Atoms and Light. *J. Opt. B: Quantum Semiclass. Opt.* 4: 75-79.

Corradini, O., A. Iglesias, Z. Kakushadze, and P. Langfelder. (2002) A Remark on Smoothing Out Higher Codimension Branes. *Modern Physics Letters* (in press).

Corradini, O., A. Iglesias, Z. Kakushadze, and P. Langfelder. (2001) A Remark on Nonconformal Nonsupersymmetric Theories with Vanishing Vacuum Energy Density. *Modern Physics Letters* 1761.

Corradini, O., and Zurab Kakushadze. (2001) A Solitonic 3-Brane in 6D Bulk. *Physics Letters B* 167.

Francischelli, G.J., R.A.M.J. Wijers, and G.E. Brown. (2002) The Evolution of Relativistic Binary Progenitor Systems. *Astrophysical Journal* 565: 471.

Grandchamp, L., R. Rapp. (2001) Thermal Versus Direct J/Psi Production in Ultrarelativistic Heavy-Ion Collisions. *Physics Letters B* 523: 60.

- Dinnebier, Robert E., Olle Gunnarsson, Holger Brumm, Erik Koch, Peter.W. Stephens, **Ashfia Huq**, and Martin Jansen. (2002) Structure of Haloform Intercalated C60 and its Influence on Superconductive Properties. *Science* 296: 109.
- Huq, Ashfia**, P.W. Stephens, Goetz M. Bendele, R.M. Ibberson. (2001) Polymeric Fullerene Chains in RbC60 and KC60. *Chemical Physics Letters* 347: 13.
- Corradini, Olindo, **Alberto Iglesias**, Zurab Kakushadze, Peter Langfelder. (2001) A Remark on Nonconformal Nonsupersymmetric Theories with Vanishing Vacuum Energy Density. *Modern Physics Letters A* 16: 1761.
- Jaikumar, Prashanth**, Madappa Prakash and Thomas Schafer. Neutrino Emission from Goldstone Modes in Dense Quark Matter. *Physical Review D* (in press).
- Jaikumar, Prashanth**, Madappa Prakash. (2001) Neutrino Pair Emission from Cooper Pair Breaking and Recombination in Superfluid Quark Matter. *Physics Letters B* 516: 345.
- Sverdlov, Viktor A., **Daniel M. Kaplan**, Alexander N. Korotkov, Konstantin K. Likharev. (2001) Single-Electron Soliton Avalanches in Tunnel Junction Arrays. *Physics Revue B, Rapid Communications* (in press).
- Kim, J. Serena**, Frederick M. Walter, and Scott J. Wolk. (2002) The Lives of Young Stars Under Harsh Environments (press release).
- Kim, J. Serena**, Frederick M. Walter, and Scott J. Wolk. (2001) Star Formation in the Gum Nebula: Cometary Globules and HII regions. *BAAS* 33 (4): 1307.
- Boyarsky, A., **B. Kulik**. (2002) Brane-Bulk Interaction in Topological Theory. *Physics Letters B* (in press).
- Boyarsky, A., **B. Kulik**. (2001) A Note on the M5 Brane Anomaly. *Physics Letters B* 516: 171-174.
- Mocioiu, I.**, M. Pospelov. (2002) Indirect Limits on the CPT Violating Background in the Neutrino Sector. *Physics Letters B* (in press).
- Mocioiu, I.**, R. Shrock. (2001) Neutrino Oscillations with Two Delta M^*2 Scales. *Journal of High Energy Physics* 11: 050.
- Wang, Zhong-min**, The DZero Collaboration. (2002) Subject Multiplicity of Gluon and Quark Jets Reconstructed Using the kT Algorithm in pbarp Collisions. *Physical Review D* 65: 052008.
- Wang, Zhong-min**, The DZero Collaboration. (2001) A Quasi-Model-Independent Search for New Physics at Large Transverse Momentum. *Physical Review D* 64: 012004.
- Wang, Zhong-min**, The DZero Collaboration. (2001) Search for Heavy Particles Decaying into Electron Positron Pairs in P-Barp Collisions. *Physical Review Letter* 87: 061802.
- Wang, Zhong-min**, The DZero Collaboration. (2001) Search for New Physics Using Quaero: A General Interface to DZero Data. *Physical Review Letter* 87: 231801.
- Wang, Zhong-min**, The DZero Collaboration. (2001) Measurement of the Ratio of Differential Cross Sections for W and Z Boson Production as a Function of Transverse Momentum. *Physical Letter B* 517: 299.
- Wu, Juhao**, and Li Hua Yu. (2002) High Gain Harmonic Generation Based Coherent Hard X-Ray Free Electron Laser. *Physical Review E* (in press).
- Wu, Juhao**, J.B. Murphy, and V. Yakimenko. (2002) Beam Dynamics and Optics for a Photoinjected Energy Recovery Linac at the NSLS. *Physical Review E* (in press).
- Zala, G.**, B.N. Narozhny, and I.L. Aleiner. (2001) Interection Corrections to the Hall Coefficient at Intermediate Temperatures. *Physical Review B* 64: 201201.
- Zala, G.**, B.N. Narozhny, and I.L. Aleiner. (2001) Interection Corrections at Intermediate Temperatures: Longitudinal Conductivity and Kinetic Equation. *Physical Review B* 64: 214204.

Zala, G., B.N. Narozhny, and I.L. Aleiner. (2001) Interection Corrections at Intermediate Temperatures: Magnetoresistance in a Parallel Field. *Physical Review B* 65: 020201.

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

Berger, C.F., E.L. Berger, P.C. Bhat, J.M. Butterworth, S.D. Ellis, B. Flaugher, W.T. Giele, W. Kilgore, A. Kulesza, S. Lammers, S. Magil, H. Prosper. (2002) Jet Energy Flow Project. *Proceedings from Snowmass 2001*. Snowmass, CO.

Peggs, S., **J. Cardona**, M. Brennan, J. Kewisch, G. McIntyre, N. Tsoupas, M. Schillo, A. Todd Ludewigt, N. Lockyer. (2001) The Rapid Cycling Medical Synchrotron. *Proton Therapy Cooperative Group XXXIV*. Boston, MA.

Peggs, S., **J. Cardona**, M. Brennan, J. Kewisch, G. McIntyre, N. Tsoupas, M. Schillo, A. Todd, B. Ludewigt, N. Lockyer. (2001) A Second Generation Medical Synchrotron - RCMS. *Proceedings of the 2001 Particle Accelerator Conference 4*: 2482.

Ptitsyn, V., **J. Cardona**, F. Pilat, J.P. Koutchouk. (2001) Measurements and Correction of Linear Effects in the RHIC Interaction Regions. *Proceedings of the 2001 Particle Accelerator Conference 4*: 3132.

Trbojevic, D., L. Ahrens, M. Blaskiewicks, M. Brennan, M. Bai, P. Cameron, **J. Cardona**, R. Connolly, J. de Long, A. Drees, R. P. Fliller, W. Fischer, G. Ganetis, W. Glen, H. Hahn, T. Hayes., A. Lehrach, W. MacKay, J. Kewisch, S. Peggs, V. Ptitsyn, T. Roser, T. Satogata, T. Shea, K. Smith, S. Tepikian, N. Tsoupas, J. van Zeijts. (2001) Commissioning of the Relativistic Heavy Ion Collider. *Proceedings of the 2001 Particle Accelerator Conference 4*: 3138.

Cashen, M., H. Metcalf, O. Rivoire, L. Yatsenko. (2001) Optical Forces in Polychromatic Light Fields. *Optical Society of America Annual Meeting*. Long Beach, CA.

Dickerson, J.H., E.E. Mendez, S. Manotas, F. Agulló-Rueda, C. Pecharromán, and A.A. Allerman. (2001) Enhanced Rabi Splitting in a Superlattice-Microcavity System. *Tenth International Conference on Modulated Semiconductor Structures*. Linz, Austria.

Fliller III, R.P., A. Drees, D. Gassner, L. Hammons, G. McIntyre, D. Trbojevic, V. Biryukov, Y. Chesnokov, V. Terekhov. (2002) Crystal Collimation at RHIC. *European Particle Accelerator Conference 2002*. Paris, France.

Fliller III, R.P., A. Drees, D. Gassner, L. Hammons, G. McIntyre, D. Trbojevic, V. Biryukov, Y. Chesnokov, V. Terekhov. (2002) Crystal Collimation at RHIC. *Proceedings of 2002 European Particle Accelerator Conference*. Paris, France.

Fliller III, R.P., A. Drees, D. Gassner, G. McIntyre, D. Trbojevic. (2002) RHIC Collimator Performance. *Proceedings of 2002 European Particle Accelerator Conference*. Paris, France.

Fliller III, R.P., A. Drees, D. Gassner, G. McIntyre, S. Peggs, D. Trbojevic. (2002) Beam Diffusion Studies at RHIC. *Proceedings of 2002 European Particle Accelerator Conference*. Paris, France.

Drees, A., L. Ahrens, **R.P. Fliller III**, D. Gassner, G.T. McIntyre, R. Michnoff, D. Trbojevic. (2002) Abort Gap Cleaning in RHIC. *Proceedings of 2002 European Particle Accelerator Conference*. Paris, France.

Drees, A., W. Fischer, M. Brennan, R. Connolly, **R.P. Fliller III**, S. Tepikian, and J. van Zeijts. (2001) Beam Lifetime and Emittance Growth Measurements of Gold Beams in RHIC at Storage. *Proceedings of the 2001 Particle Accelerator Conference*. Chicago, IL.

Ahrens, L., M. Blaskiewicz, M. Brennan, M. Bai, P. Cameron, J. Cardona, R. Connolly, A. Drees, **R.P. Fliller III**, W. Fischer, G. Ganetis, W. Glenn, H. Hahn, A. Lehrach, W. MacKay, J. Kewisch, S. Peggs, F. Pilat, V. Ptitsyn, T. Roser, T. Staogata, S. Tepikian, D. Trbojevic, N. Tsoupas, and J. van Zeijts. (2001) Commissioning of the Relativistic Heavy Ion Collider. *Proceedings of the 2001 Particle Accelerator Conference*. Chicago, IL.

- Fliller III, R.P.**, A. Drees, V. Biryukov, Y. Chesnokov, D. Gassner, G. McIntyre, V. Terokov, and D. Trbojevic. (2001) The Two Stage Crystal Collimator for RHIC. *Proceedings of the 2001 Particle Accelerator Conference*. Chicago, IL.
- Francischelli, G.J.** (2002) On the Spin Evolution of Neutron Stars and Magnetars. *Astronomical Society of New York*. Rochester, NY.
- Garcia-Garcia, A.M.** (2002) *Workshop on Random Matrix Theory*. Stony Brook University, Stony Brook, NY.
- Garcia-Garcia, A.M.** (2001) Critical Statistics in Chiral Ensembles. *Quantum Chaos: Theory and Applications*. Cocoyoc, Mexico.
- Garcia-Garcia, A.M.** (2001) Novel Application of Critical Statistics in Quantum Chaos and Disordered Systems. *Colloquium about Random Matrix*. Brunel University, London, England.
- Grossman, J.M.** (2002) Spectroscopy of Trapped Francium: What Can We Learn from the Least Stable Natural Element? *Union College Department of Physics Colloquium*. Union College, Schenectady NY.
- Grossman, J.M.** (2002) Spectroscopy of Trapped Francium. *National Institute of Standards and Technology, Electron Physics Group Invited Seminar*. Gaithersburg, MD.
- Aubin, S., E. Gomez, **J.M. Grossman**, L.A. Orozco, M.R. Pearson, G.D. Sprouse, D.P. DeMille. (2002) Francium Spectroscopy and a Possible Measurement of the Nuclear Anapole Moment. *Proc. From Laser Spectroscopy: XVth International Conference* (in press).
- Aubin, S., E. Gomez, **J.M. Grossman**, L.A. Orozco, M.R. Pearson, G.D. Sprouse. (2001) Francium Spectroscopy and a Proposed Direct Measurement of the Nuclear Anapole Moment. *Gordon Research Conference on Atomic Physics*. Williams College, Williamstown, MA.
- Aubin, S., E. Gomez, **J.M. Grossman**, L.A. Orozco, M.R. Pearson, G.D. Sprouse. (2001) Francium Spectroscopy and the Possible Direct Measurement of the Nuclear Anapole Moment. *International Conference on Laser Spectroscopy*. Snowbird, UT.
- Dinnebier, Robert E., Olle Gunnarsson, Holger Brumm, Erik Koch, P.W. Stephens, **Ashfia Huq**, and Martin Jansen. (2002) Lattice Expansion Does Not Explain the Tc in Chloroform and Bromoform Intercalated C60. *APS March Meeting*. Indianapolis, IN.
- Dinnebier, Robert E., Olle Gunnarsson, Holger Brumm, Erik Koch, P.W. Stephens, **Ashfia Huq**, and Martin Jansen. (2002) Lattice Expansion Does Not Explain the Tc in Chloroform and Bromoform Intercalated C60. *ECS Meeting*. Philadelphia, PA.
- Huq, Ashfia**, P.W. Stephens, Naceur Ayed, Housam Binous, Miroslav Papiz, and Manolis Pantos. (2001) Elemental and Mineralogical Analysis of Punic Make-Up. *The 50th Annual Denver X-ray Conference*. Steamboat Springs, CO.
- Jaikumar, Prashanth**. (2002) High Density Quark Matter: Pairing Phenomena and Application to Neutron Stars. *RIKEN Nuclear Theory Seminar*. Brookhaven National Laboratory, Upton, NY.
- Jaikumar, Prashanth**, Madappa Prakash. (2001) Pair Breaking and Recombination in Superfluid Quark Matter. *National Summer School in Nuclear Physics*. Bar Harbor, ME.
- Kim, J. Serena**, Frederick M. Walter, and Scott J. Wolk. (2002) Triggered Low Mass Star Formation in the Gum Nebula: CG30/31/38 and CG4/6/SA101. *Proceedings of Cool Stars, Stellar Systems, and the Sun, the 12th Cambridge Workshop*. University of Colorado, Boulder, CO.
- Kim, J. Serena**, Frederick M. Walter, and Scott J. Wolk. (2002) Triggered Star Formation Around CG30/31/38 Complex and RCW33 in the Gum Nebula. *American Astronomical Society*. Washington, D.C.
- Kim, J. Serena**, Frederick M. Walter, and Scott J. Wolk. (2002) Low Mass Star Formation and Circumstellar Disk Fraction Under Different Physical Conditions in the Gum Nebula. *Galactic Star Formation Across the Stellar Mass Spectrum*. La Serena, Chile.

- Kim, J. Serena**, Frederick M. Walter, and Scott J. Wolk. (2001) Studies on Disk Population in Triggered Star Forming Region CG30/31/38 Complex and RCW~33 in the Gum Nebula. *Gordon Conference*. New London, CT.
- Kim, J. Serena**, Frederick M. Walter, and Scott J. Wolk. (2001) Triggered Low Mass Star Formation in the Gum Nebula: CG30/31/38 and CG4/6/SA101. *Cool Stars, Stellar Systems, and the Sun, the 12th Cambridge Workshop*. Boulder, CO.
- Kim, J. Serena**, Frederick M. Walter, and Scott J. Wolk. (2001) Low Mass Star Formation in the Gum Nebula. *Astronomical Society of New York*. Schenectady, NY.
- Lin, Y.**, E.E. Mendez, R. Magno, and B. Bennett. (2002) Tunneling Between 2D Electrons and Holes in an In-plane Magnetic Field. *American Physical Society Annual Meeting*. Indianapolis, IN.
- Mendez, E.E., **Y. Lin**, and E.M. González. (2001) Low-Dimensionality Tunnel Effects in InAs-AlSb-GaSb Electron-Hole Systems. *Proceedings of the 10th International Conference on Narrow Gap Semiconductors and Related Small Energy Phenomena, Physics and Applications*: 191.
- Mendez, E.E., **Y. Lin**, and E.M. González. (2001) Tunneling Between Two-Dimensional Electron and Hole Gases. *International Conference on Advanced Frontiers in Condensed Matter*. Trieste, Italy.
- Malek, Matthew S.**, Super-Kamiokande Collaboration. (2002) Results from Relic Supernova Neutrino Searches at Super-Kamiokande. *American Physical Society's 2002 Meeting of The Division of Particles and Fields*. College of William and Mary, Williamsburg, VA.
- Mocioiu, I.**, M. Pospelov, R. Roiban. (2001) Limits on the Noncommutativity Scale. *2nd Meeting on CPT and Lorentz Symmetry (CPT 01)*. Bloomington, IN.
- Mocioiu, I.** (2001) Neutrino Oscillations with Two Delta m^2 Scales. *Les HOUCHES EuroConference on NEUTRINO Masses and Mixings*. Les Houches, France.
- Moura, Filipe.** (2001) Superspace Supersymmetrization of Higher-Derivative Actions. *TASI*. Boulder, CO.
- Moura, Filipe.** (2001) Supersymmetrization of R4 in d=4. *strings@pt Second Meeting*. Lisbon, Portugal.
- Cashen, M., **M. Partlow**, H. Metcalf. (2002) Slowing Metastable Helium (He*) Using the Bichromatic Force. *DAMOP 2002 (Division of Atomic, Molecular, and Optical Physics of the American Physical Society, Annual Meeting)*. College of William and Mary, Williamsburg, VA.
- Pflyuk, S.V.**, T.V. Filipov, and V.K. Semenov. (2001) Digital Filters for Time-Interleaved ADCs. *ISEC 2001*. Osaka, Japan.
- Sherry, W.H.**, Walter, F.M., Wolk, S.J. (2001) The Low-Mass Initial Mass Function and Candidate Brown Dwarfs in the Orion OB1b Sub-Association. *Cool Stars, Stellar Systems and the Sun 12*. Boulder, CO.
- Sherry, W.H.**, Walter, F.M. (2001) A Preliminary Mass Function of Candidate Low-Mass PMS Stars in the Orion OB1b Sub-Association. *Astronomical Society of New York*. Union College, NY.
- Talbayev, Diyar**, Laszlo Mihaly, G. Lawrence Carr. (2002) H-f Plane Mapping of Spin Resonance in an Antiferromagnet (NSLS, BNL). *APS Meeting*. Indianapolis, IN.
- Wu, Juhao**, J.B. Murphy, et al. (2001) Beam Dynamics for a Photoinjected Energy Recovery Linac at the NSLS. *2001 Particle Accelerator Conference*. Chicago, IL.
- Wu, Juhao**, Vitaly Yakimenko, et al. (2001) Optics for a Photoinjected Energy Recovery Linac at the NSLS. *2001 Particle Accelerator Conference*. Chicago, IL.
- Wu, Juhao**, Li Hua Yu, et al. (2001) The DUV-FEL Development Program. *2001 Particle Accelerator Conference*. Chicago, IL.
- Wu, Juhao**, Ilan Ben-Zvi, et al. (2001) Photoinjected Energy Recovering Linac Upgrade for the NSLS. *2001 Particle Accelerator Conference*. Chicago, IL.

Wu, Juhao, J.B. Murphy, et al. (2001) Coherent Synchrotron Radiation Analysis for the UVFEL and Photoinjected Energy Recovery Linac Projects at the NSLS. *2001 Particle Accelerator Conference*. Chicago, IL.

Wu, Juhao, Li Hua Yu. (2001) High Gain Harmonic Generation X-ray Free Electron Laser. *2001 Particle Accelerator Conference*. Chicago, IL.

Wu, Juhao, Li Hua Yu. (2001) High Gain Harmonic Generation DUV Free Electron Laser at the NSLS. *2001 Particle Accelerator Conference*. Chicago, IL.

Zala, G. (2001) Magnetoresistance and Hall effect of 2D Electrons at Intermediate Temperatures. *Correlation Effects in Low Dimensional Electron Systems*. Lancaster, UK.

❖ Post-Doctorates Obtained and Professional Appointments

Chiara, Chris. (2002) Postdoctoral Position. *Washington University*, St. Louis, MO.

Corradini, O. (2002) Postdoctoral Position. Dipartimento di Fisica, *Universita' di Bologna - INFN Sezione di Bologna*, Bologna, Italy.

Garcia-Garcia, A.M. (2002) Postdoctoral Position. *University of Paris-Sud*, Orsay, Paris.

Jaikumar, Prashanth. (2002) Postdoctoral Position. *McGill University*, Montreal, Quebec, Canada.

Kim, J. Serena. (2002) Research Associate. *Steward Observatory, University of Arizona*, Tucson, AZ.

Kulik, B. (2002) Postdoctoral Position. *Max-Planck-Institute fur Gravitationsphysik*, Potsdam, Germany.

Mocioiu, I. (2002) Postdoctoral Research Associate. *University of Arizona*, Tucson, AZ.

PHYSIOLOGY AND BIOPHYSICS

GRADUATE DIRECTOR: SUZANNE SCARLATA

DEPARTMENT CHAIR: PETER BRINK

❖ Grants, Fellowships, and Awards

Martinez-Wittinghan, F.J. (2001) Travel Fellowship for the 14th International Biophysics Congress, Buenos Aires, \$950. *International Union for Pure and Applied Biophysics (IUPAB)*, Leeds, UK.

Tall, Edward G. (2002) ASBMB Graduate Travel Fellowship, \$400. *American Society for Biochemistry and Molecular Biology*, Bethesda, MD.

Wang, J. (2002) Student Travel Grant, \$300. *Biophysical Society Annual Meeting*, San Francisco, CA.

❖ Singly Authored Publications/Research Reports/Reviews

Tall, Edward G. (in press) *PLC- δ_1 Regulation and Function*. Stony Brook University, Stony Brook, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

Baldo, G.J., Gong, X., **Martinez-Wittinghan, F.J.**, Kumar, N.M., Gilula, N.B., Mathias, R.T. (2001) Gap Junctional Coupling in Lenses from $\alpha 8$ Connexin Knockout Mice. *J. Gen. Physiology* 118: 447-456.

McLaughlin, S., **Wang, J.**, Gambhir, A., Murray, D. (2002) PIP₂ and Proteins: Interactions, Organization and Information Flow. *Annu. Rev. Biophys. Biomol. Struct.* 31: 151-175.

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

Martinez-Wittinghan, F.J., Gong, X., Kumar, N.M., Mathias, R.T. (2001) Gating of Lens Fiber Cell Connexins $\alpha 3$ (Cx46) and $\alpha 8$ (Cx50). *ARVO (Association for Research in Vision and Ophthalmology) Annual Meeting*. Fort Lauderdale, FL.

Tall, Edward G., Pentyala, S.N., and Rebecchi, M.J. (2002) Localization of PLC- δ_1 to the Golgi Apparatus is Independent of its PH Domain. *Experimental Biology 2002*. New Orleans, LA.

Tall, Edward G. (2001) Seminar Coordinator and Host for Dr. Ashok Khar, Deputy Director and Chief of Cancer Biology, CCMB, Hyderabad, India. *Role of Macrophages in Spontaneous Regression of a Rat Histiocytoma*. Department of Physiology and Biophysics, Stony Brook University, Stony Brook, NY.

Wang, J., Hangyás-Mihályiné, G., Gambhir, A., Golebiewska, U., Murray, D., McLaughlin, S. (2002) How PIP₂ Binds to MARCKS, a Major PKC Substrate. *Biophysical Society Annual Meeting*, San Francisco, CA.

POLITICAL SCIENCE

GRADUATE DIRECTOR: JEFFREY SEGAL
DEPARTMENT CHAIR: MARK SCHNEIDER

❖ Grants, Fellowships, and Awards

Buckley, Jack. (2001-2002) National Science Foundation Graduate Research Fellowship, 3-year award. *National Science Foundation*, Arlington, VA.

❖ Singly Authored Publications/Research Reports/Reviews

Buckley, Jack. (2001) Estimation of Models with Beta-distributed Dependent Variables: A Replication and Extension of Paolino. *Political Analysis* (forthcoming).

❖ Jointly Authored Publications/Research Reports/Reviews

Schneider, Mark, and **Jack Buckley.** (2002) Creating Choosers: Information, the Digital Divide and the Propensity to Change Schools. *Social Science Computer Review* (forthcoming).

Schneider, Mark, and **Jack Buckley.** (2002) What Do Parents Want from Schools? Evidence from the Internet. *Educational Evaluation and Policy Analysis* (forthcoming).

Huddy, Leonie, **Nadia Khatib**, Capelos Theresa. (in press) The Polls – Trends: Reactions to the Terrorist Attacks of September 11, 2001. *Public Opinion Quarterly*.

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

Buckley, Jack. (2002) Diffusion or Confusion? Modeling Policy Diffusion with Discrete Event History Data. *19th Annual Summer Political Methodology Meeting*. Seattle, WA.

Buckley, Jack. (2002) Groupthink in the Sandpile: A Formal Theory of Failure in Small Group Decision Making. *Annual Meeting of the Midwest Political Science Association*. Chicago, IL.

Buckley, Jack, and Mark Schneider. (2002) Making the Grade: Comparing DC Charter Schools to Other DC Public Schools. *Annual Meeting of the Midwest Political Science Association*. Chicago, IL.

Buckley, Jack, and Junseok Kim. (2002) Dynamics of Telecommunications Deregulation in the States, 1990-1998. *Annual Meeting of the Midwest Political Science Association*. Chicago, IL.

Buckley, Jack, and Scott Graves. (2001) Growing Congress: Using Agent-based Computational Modeling to Develop Theories of Legislative Behavior, Learning and Organization. *Annual Meeting of the Southern Political Science Association*. Atlanta, GA.

Khatib, Nadia. (2002) The Impact of Perceptions of Arab-Americans on American Policy Attitudes after September 11. *Twenty-Fifth Annual Scientific Meeting of the International Society of Political Psychology*. Berlin, Germany.

Sylvester, Dari E. (2002) Panel participant. *Midwest Political Science Association Conference*. Chicago, IL.

❖ **Software Developed**

Buckley, Jack. (2002) MLBETA: A Program for Maximum-Likelihood Estimation of Models with Beta-Distributed Dependent Variables. Add-on package for STATA 7.0.
<http://www.srnc.sunysb.edu/Stu/sbuckley>.

❖ **Other**

Sylvester, Dari E. (2002) Shades of Terrorism. Experimental Research. Gauges the Manner in which Levels of Racism, Ethnocentrism, Authoritarianism, etc. Influence Individuals' Responses to Perpetrators of Terrorism Depending on the Perpetrator's Skin Tone.

PSYCHOLOGY

GRADUATE DIRECTOR: SUSAN E. BRENNAN

DEPARTMENT CHAIR: NANCY SQUIRES

❖ Grants, Fellowships, and Awards

- Azizian, Allen.** (2001) Departmental Travel Award, \$300. *Stony Brook University*, Stony Brook, NY.
- Casillas, Kathy.** (2001) Departmental Travel Award, \$300. *Stony Brook University*, Stony Brook, NY.
- Datz, GERALYN.** (2002) American Psychological Society Student Caucus (APSSC) Dissertation Award, "The Effects of Moderately Intense Cold Pressor Pain on Implicit and Explicit Memory," \$150.
- Dickinson, Chris.** (2002) Departmental Travel Award, \$200. *Stony Brook University*, Stony Brook, NY.
- Drabick, Deborah.** (2001) Departmental Award for Excellence in Teaching, \$100. *Stony Brook University*, Stony Brook, NY.
- Echevarria, D.J.** (2001) Departmental Travel Award, \$300. *Stony Brook University*, Stony Brook, NY.
- Elliott, Melanie E.** (2001) Departmental Award for Excellence in Teaching Innovation, \$100. *Stony Brook University*, Stony Brook, NY.
- Gorby, H.E.** (2001) Departmental Travel Award, \$200. *Stony Brook University*, Stony Brook, NY.
- Gordon, R.** (2001) Departmental Award for Excellence in Research (2nd yr.), \$100. *Stony Brook University*, Stony Brook, NY.
- Gordon, R.** (2001) Departmental Travel Award, \$300. *Stony Brook University*, Stony Brook, NY.
- Innis, J.** (2002) Jonathon Levin Memorial Scholarship and Professional Award from the *Foundation for Educating Children with Autism, Inc.*, \$1,000. *Stony Brook University*, Stony Brook, NY.
- Jaffee, William.** (2002) Departmental Retiree's Dissertation Award, \$200. *Stony Brook University*, Stony Brook, NY.
- Kraljic, Tanya.** (2002) National Science Foundation Graduate Fellowship Award, \$20,500/year for three years. *National Science Foundation*, Arlington, VA.
- Lewandowski, Gary.** (2002) Departmental Travel Award, \$300. *Stony Brook University*, Stony Brook, NY.
- Liu, Siyun.** (2001) Departmental Travel Award, \$200. *Stony Brook University*, Stony Brook, NY.
- Lorber, Michael.** (2001) Departmental Travel Award, \$300. *Stony Brook University*, Stony Brook, NY.
- Mashek, D.** (2002) Departmental Travel Award, \$300. *Stony Brook University*, Stony Brook, NY.
- Mashek, D.** (2002) Departmental Retiree's Dissertation Award, \$200. *Stony Brook University*, Stony Brook, NY.
- Mashek, D.** (2001) Departmental Award for Excellence in Teaching, \$100. *Stony Brook University*, Stony Brook, NY.
- McCloskey, D.P.** (2001) Departmental Award for Excellence in Research (2nd yr.), \$100. *Stony Brook University*, Stony Brook, NY.
- McCloskey, D.P.** (2001) Departmental Travel Award, \$200. *Stony Brook University*, Stony Brook, NY.
- Mitchell, Nefta.** (2002) W. Burghardt Turner Ph.D. Fellowship. *Stony Brook University*, Stony Brook, NY.
- Pothakos, K.** (2001) Departmental Travel Award, \$200. *Stony Brook University*, Stony Brook, NY.

PSYCHOLOGY

- Rapp, D.N.** (2002) Jason Albrecht Outstanding Young Scientist Award, Given for Spoken Paper Based on a Doctoral Dissertation: *Readers' Reality-and Plot-Based Expectations in Narrative Comprehension*. Society for Text and Discourse, Chicago, IL.
- Reynolds, G.P.** (2001) Departmental Travel Award, \$300. *Stony Brook University*, Stony Brook, NY.
- Shapiro, Lee.** (2001) Departmental Travel Award, \$200. *Stony Brook University*, Stony Brook, NY.
- Sniffen, Janice.** (2001) Departmental Travel Award, \$300. *Stony Brook University*, Stony Brook, NY.
- Storch, S.A.** (2001-2003) Head Start Research Scholars Grant, "Assessment of Curriculum Practices in Head Start," \$40,000. *Administration for Children and Families*, Washington, D.C.
- Tata, D.A.** (2001) Departmental Travel Award, \$200. *Stony Brook University*, Stony Brook, NY.
- Travers, S.** (2001) Departmental Travel Award, \$200. *Stony Brook University*, Stony Brook, NY.
- Troise, D.M.** (2001) Departmental Travel Award, \$300. *Stony Brook University*, Stony Brook, NY.
- West, T.** (2002) Departmental Travel Award, \$300. *Stony Brook University*, Stony Brook, NY.
- West, T.** (2001) Departmental Award for Excellence in Research (Advanced), \$100. *Stony Brook University*, Stony Brook, NY.

❖ Jointly Authored Publications/Research Reports/Reviews

- Abbott, G.**, and Treboux, D. (2001) Adolescent Sexuality. *International Encyclopedia of the Social and Behavioral Sciences*. N.J. Smelser and P.B. Baltes, Eds. New York: Elsevier Science.
- Carr, E.G., **Blakely-Smith, A.**, **Innis, J.**, and Vasdev, S. (in press) Challenging Behavior: Research Design and Measurement Issues. *International Handbook of Methods for Research and Evaluation in Intellectual Disabilities*. E. Emerson, T. Thompson, T. Parmenter, and C. Hatton, Eds. New York: Wiley.
- Klein, D.N., **Durbin, C.E.**, **Shankman, S.A.**, and **Santiago, N.J.** (2002) Depression and Personality. *Handbook of Depression*. I.H. Gotlib and C.L. Hammen, Eds. New York: Guilford Press.
- Graber, M., Franklin, N., and **Gordon, R.** (in press) Diagnostic Errors in Medicine-What's the Goal? *Academic Medicine*.
- Lockridge, C.B.**, and Brennan, S.E. (in press) Addressees' Needs Influence Speakers' Early Syntactic Choices. *Psychonomic Bulletin and Review*.
- Mashek, D.**, and Aron, A., Eds. (in press) *Handbook of Closeness and Intimacy*. Mahwah, NJ: Lawrence Erlbaum Associates, Inc.
- Fisher, H., Aron, A., **Mashek, D.**, and Brown, L.L. (in press) Lust, Attraction, Attachment: Defining the Brain Systems for Love with an Emphasis on the Neural Circuitry of Romantic Attraction. *Journal of Sex and Marital Therapy*.
- Anderson, B.J., **McCloskey, D.P.**, **Tata, D.A.**, and **Gorby, H.E.** (in press) Physiological Psychology: Biological and Behavioral Outcomes of Exercise. *Handbook of Research Methods in Experimental Psychology*. S.F. Davis, Ed. Oxford, UK: Blackwell Publishing Co.
- Rapp, D.N.**, and Gerrig, R.J. (in press) Readers' Reality-Driven and Plot-Driven Analyses in Narrative Comprehension. *Memory & Cognition*.
- Rapp, D.N.**, and Samuel, A. (in press) A Reason for Rhyme: Phonological and Semantic Influences on Lexical Access. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.
- Horton, W.S., and **Rapp, D.N.** (in press) Out of Sight, Out of Mind: Occlusion and the Accessibility of Information in Narrative Comprehension. *Psychonomic Bulletin & Review*.

- Rapp, D.N.**, Gerrig, R.J., and Prentice, D.A. (2001) Readers' Trait-Based Models of Characters in Narrative Comprehension. *Journal of Memory and Language* 45: 737-750.
- Reynolds, G.P.**, and Squires, N.K. (2001) Unlocking the Locked. *International Journal of Psychophysiology* 41 (3): 221.
- Gadow, K.D., Sprafkin, J., Carlson, G.A., **Schneider, J.**, Nolan, E.E., Mattison, R.E., and Rundberg-Rivera, V. (2002) A DSM-IV-Referenced, Adolescent Self-Report Rating Scale. *Journal of the American Academy of Child and Adolescent Psychiatry* 41: 1-9.
- Shankman, S.A.**, and Klein, D.N. (in press) Dimensional Diagnosis of Depression: Adding the Dimension of Course to Severity, and Comparison to the DSM. *Comprehensive Psychiatry*.
- Spira, E.G.**, and Whitehurst, G.J. (in press) The Development of Book Sharing in the Preschool Period. *Center for the Improvement of Early Reading Achievement*.
- Storch, S.A.**, and Whitehurst, G.J. (in press) A Structural Model Supporting Home Literacy Activities with African-American Children. *National Black Child Development Institute*.
- Storch, S.A.**, and Whitehurst, G.J. (2001) The Role of Family and Home in the Literacy Development of Children from Low-Income Backgrounds. *New Directions for Child and Adolescent Development* 92: *The Role of Family Literacy Environment in Promoting Young Children's Emerging Literacy Skills*. W. Damon (Series Ed.) and P.R. Britto and J. Brooks-Gunn, Eds. San Francisco: Jossey-Bass.
- Tata, D.A.**, and Anderson, B.J. (2002) A New Method for the Investigation of Capillary Structure. *Journal of Neuroscience Methods* 113: 199-206.
- Rajaram, S., Sriniva, K., and **Travers, S.** (2001) The Effects of Attention on Perceptual Implicit Memory. *Memory and Cognition* 29: 920-930.
- Levy, S.R., and **West, T.** (in press) Background Belief Systems and Prejudice Processes. *Readings in Psychology and Culture*. W. Lonner, D.L. Dinnel, S.A. Hayes, and D.N. Sattler, Eds. Bellingham, WA: Western Washington University.

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

- Cohen, S.**, and O'Leary, K.D. (2002) Development and Validation of the Fear of Partner Scale: A Screening Measure for Conjoint Therapy. *Annual Meeting of the Association for the Advancement of Behavior Therapy*. Reno, NV.
- Dickinson, Chris**, and Zelinsky, G.J. (2002) The "Flicker" Search Task: A Paradigm for Investigating Memory in Visual Search. *Annual Meeting of the Vision Sciences Society*. Sarasota, FL.
- Echevarria, D.J.**, Brown S.N., Robinson, J.K. (2001) Intraventricular Galanin Decreases the Response Rate But Not Choice Accuracy in a Rodent Signal Detection Task. *Annual Meeting for the Society for Neuroscience*. San Diego, CA.
- Elliott, Melanie E.**, and **McCloskey, D.P.** (2002) Preparing for College: A Seminar on Writing. *Port Jefferson High School*. Port Jefferson, NY.
- Elliott, Melanie E.**, and **McCloskey, D.P.** (2001) Undergraduate Writing Seminar. *Stony Brook University*. Stony Brook, NY.
- Gordon, R.**, and Franklin, N. (2001) Comparing Memory Characteristics of Real, Imagined, and Fictional Events. *Annual Meeting of the Psychonomic Society*. Orlando, FL.
- Lobel, M., **Graham, J.E.**, and **DeVincent, C.J.** (2002) Explaining Stress Effects on Birth Outcomes: Health Behaviors, Ethnicity, and Socioeconomic Status. *Annual APA Women's Health Conference*. Washington, D.C.

- Mashek, D.** (2002) The Dark Side of Closeness. *International Society for the Study of Personal Relationships*. Halifax, NS.
- Mashek, D.** (2002) What Causes One to Feel “Too Close?”: Exploring Threat to Control and Threat to Identity as Contributors to the Dark Side of Closeness. *The Dark Side of Closeness: A Symposium to be Presented at the July Conference of the International Society for the Study of Personal Relationships*, D. Mashek (Chair). Halifax, NS.
- Mashek, D.**, and Ickes, W. (2002) The Closeness and Intimacy Experiences of Individuals with Low Social Absorption and High Social Individuation. *Society for Personality and Social Psychology*. Savannah, GA.
- McCloskey, D.P.**, Coburn-Litvak, P.S., **Tata, D.A.**, **Pothakos, K.**, Khalsa, S., Anderson, B.J. (2001) 21 Days of Stress-Related Hormones Increase Synapse Numbers But Not the Capacity for Oxidative Metabolism in Hippocampal CA3. *Annual Meeting of the Society for Neuroscience*. San Diego, CA.
- Robinson, J.K., **McLaughlin, P.J.**, Kilk, K., Soomets, U., Manuzon, H., Barfai, T., and Langel U. (2001) Peptide Nucleic Acid Antisense Oligomers Differentiate the Involvement of GalR1 and GalR2 Receptor Subtypes in Feeding and Working Memory. *Annual Meeting for the Society for Neuroscience*. San Diego, CA.
- Metzing, C.**, and Brennan, S.E. (2001) When Conceptual Pacts are Broken; Partner Effects in the Comprehension of Referring Expressions. *Abstracts of the Psychonomic Society, 43rd Annual Meeting*: 29. Orlando, FL.
- O’Leary, K.D., **Woodin, E.M.**, and **Fritz, P.T.** (2002) Preventing Partner Abuse. *U.S. Air Force Conference: Assessment & Prevention of Partner Abuse*. Alexandria, VA.
- Pothakos, K.**, Coburn-Litvak, P.S., **Tata, D.A.**, **McCloskey, D.P.**, Anderson, B.J. (2001) 21-Day Administration of Stress-Related Hormones Does Not Alter Spatial Working Memory but Alters Long-Term Performance. *Society for Neuroscience*. San Diego, CA.
- Rapp, D.N.**, and Gerrig, R.G. (2002) Readers’ Reality-and Plot-Based Expectations in Narrative Comprehension. *Twelfth Annual Meeting of The Society for Text and Discourse*. Chicago, IL.
- Rapp, D.N.** (2002) What Readers Do: Reader-Guided Processes in Narrative Experiences. *Invited Talk*. University of California at Riverside, Riverside, CA.
- Rapp, D.N.** (2002) What readers Do: Reader-Guided Processes in Narrative Experiences. *Invited Talk*. University of Minnesota, Minneapolis, MN.
- Rapp, D.N.** (2002) What readers Do: Reader-Guided Processes in Narrative Experiences. *Invited Talk*. Georgia Institute of Technology, Atlanta, GA.
- Horton, W.S., and **Rapp, D.N.** (2001) Representing Perceptual Availability During Narrative Comprehension. *Annual Meeting of the Psychonomic Society*. Orlando, FL.
- Rapp, D.N.**, and Gerrig, R.J. (2001) Reader Preferences and Narrative Comprehension. *Annual Meeting of the Psychonomic Society*. Orlando, FL.
- Rapp, D.N.**, and Gerrig, R.J. (2001) Readers’ Trait-Based Models of Characters in Narrative Comprehension. *Annual Meeting of the Eastern Psychological Association*. Washington, D.C.
- Rapp, D.N.**, and Taylor, H.A. (2001) Multimedia Minds, Multimedia Methods: Maps, Texts, and Readers as Components of Multimedia. *Invited Talk*. Tufts University, Medford, MA.
- Reynolds, G.P.** (2001) Unlocking the Locked In. *EPIC XIII (Evoked Potential International Conference)*. Paris, France.
- Spira, E.G.**, **Storch, S.A.**, and Fischel, J.E. (2002) Predicting Improvement After First Grade Reading Difficulty: The Effects of Early Language, Emergent Literacy and Behavior Skills. *Sixth National Head Start Research Conference*. Washington, D.C.

- Storch, S.A.** (2002) The Role of Emergent Literacy Domains in Reading Achievement of Former Head Start Children. *Sixth National Head Start Research Conference*. Washington, D.C.
- Fischel, J.E., **Storch, S.A., Spira, E.G., and Stoltz, B.M.** (2002) Evaluation of Emergent Literacy Curricula in Head Start. *Sixth National Head Start Research Conference*. Washington, D.C.
- Storch, S.A.** (2002) Assessment of Curriculum Practices in Head Start. *Sixth National Head Start Research Conference*. Washington, D.C.
- Storch, S.A.** (2001) Assessment of Curriculum Practices in Head Start. *2001 Head Start Research Scholars Grantee Meeting*. Alexandria, VA.
- Coburn-Litvak, P.S., **Tata, D.A., Gorby, H.E.,** Lawrence, D., Ansari, B., Razi, R., and Anderson, B.J. (2001) Effects of Two Months Administration of Stress-Related Hormones on Behavior, CA3 Cell Number, Neuropil Volume, Glial Volume, and Synapse Number. *Society for Neuroscience Abstracts* 739: 10.
- Travers, S.,** and Rajaram, Suparna. (2001) Attentional Effects of Stroop Encoding on Perceptual Priming. *Annual Meeting of the Psychonomic Society*. Orlando, FL.
- Troise, D.M., West, T., Harris, S.,** and Levy, S.R. (2002) The Role of Children's Lay Theories in Volunteering. *3rd Annual Meeting of the Society for Personality and Social Psychology*. Savannah, GA.
- West, T., Harris, S., Troise, D.M.,** and Levy, S.R. (2002) Lay Theories and Volunteerism for Homeless Persons. *3rd Annual Meeting of the Society for Personality and Social Psychology*. Savannah, GA.
- Conrod, P.J., Comeau, N., Stewart, S.H., MacLean, M., and **Woicik, P.** (2002) Evaluation of the Psychometric Properties of a Brief Scale for Assessing Personality Risk for Substance Abuse in Adolescents: The Substance Use Risk Profile Scale (SURPS) Applied to Adolescent Samples. *34th Banff Conference on Behavioral Science: Adolescent Substance Abuse: Innovative Approaches to Prevention and Treatment*. Banff, Alberta, Canada.
- Conrod, P.J., and **Woicik, P.** (2001) Validation of a Four-Factor Model of Personality Risk for Substance Abuse and Examination of a Brief Instrument for Assessing Personality Risk. *Annual Symposium of the Society for the Study of Addiction*. Leeds, UK.
- Woicik, P.,** and Conrod, P.J., Schlaugh, R. (2001) The Reliability and Validity of the Drug Abuse-Subtyping Scale (DASS), A Potential Instrument for the Identification of Subtypes of Substance Abusers and Those Potentially at Risk. *2001 World Congress of Behavioral and Cognitive Therapies Conference*. Vancouver, British Columbia, Canada.
- Woodin, E.M.,** and O'Leary, K.D. (2002) How to Select Aggressive Couples for Conjoint Marital Treatment. *Annual Meeting of the Association for the Advancement of Behavior Therapy*. Reno, NV.

❖ Post-Doctorates Obtained and Professional Appointments

- Bortfeld, Heather.** (2001) Assistant Professor. Department of Psychology, *Texas A&M University*, College Station, TX.
- DeVincent, C.J.** (2001) Research Scientist. Cody Center for Autism and Developmental Disabilities, *Stony Brook University*, Stony Brook, NY.
- Elliott, Melanie E.** (2002) Post-Doctorate Fellowship. Center for Developmental Science, *University of North Carolina*, Chapel Hill, NC.
- Lewandowski, Gary.** (2002) Assistant Professor. Department of Psychology, *Monmouth University*, West Long Branch, NJ.
- McLaughlin, P.J.** (2001) Post-Doctorate Fellowship. Department of Psychology, *University of Connecticut*, Storrs, CT.

PSYCHOLOGY

Rapp, D.N. (2002) Assistant Professor. Department of Educational Psychology, *University of Minnesota*, Minneapolis, MN.

❖ Internship Appointments

Abbott, G. (2002-2003) Department of Veterans Affairs, *VA Connecticut Healthcare System*, West Haven, CT.

Drabick, Deborah. (2002-2003) Department of Psychiatry, Division of Child and Adolescent Psychiatry, *North Shore University Hospital*, Manhasset, NY.

Hayden, Elizabeth. (2002-2003) Department of Psychiatry, School of Medicine, *Indiana University*, Indianapolis, IN.

Todd, Audrey. (2002-2003) Department of Social and Health Services, *Western State Hospital*, Tacoma, WA.

❖ Other

Lockridge, Calion B. (2002) Varsity Member of Stony Brook's College Bowl Team. *Stony Brook University*, Stony Brook, NY.

SOCIAL WELFARE

GRADUATE DIRECTOR: JOEL BLAU

❖ Grants, Fellowships, and Awards

Driessens, Corinne. (2001) Individual National Research Service Award, \$24,326. *National Institute of Mental Health*, Bethesda, MD.

❖ Singly Authored Publications/Research Reports/Reviews

Johnson, Diane. (2001) Book Review of *Carework: Gender, Labor, and the Welfare State*. Madonna Harrington Meyer, Ed. *Journal of Sociology and Social Welfare XXVIII* (4): 221-224.

SOCIOLOGY

GRADUATE DIRECTOR: IVAN CHASE

DEPARTMENT CHAIR: NORMAN GOODMAN

❖ Grants, Fellowships, and Awards

- Boussios, Emanuel.** (2001) Society for the Study of Social Problems Lee Student Travel Support Fund, \$250. *Society for the Study of Social Problems*, Knoxville, TN.
- Jones-Lee, Felice.** (2001) W. Burghardt Turner Fellowship, \$14,500. *Stony Brook University*, Stony Brook, NY.
- Muñoz, José.** (2001) W. Burghardt Turner Summer Research Grant, \$2,400. *Stony Brook University*, Stony Brook, NY.
- Ng, L. Charis.** (2001) Travel and Living Stipend Award, \$2,500. *U.S. Department of Justice, Bureau of Statistics, University of Michigan*, Ann Arbor, MI.
- Ng, L. Charis.** (2001) Travel Award, \$500. *Center for Spatially Integrated Social Science*, Columbus, OH.
- Ng, L. Charis.** (2001) Travel Award, \$250. *U.S. Department of Commerce, University of Michigan*, Ann Arbor, MI.
- Rawlins, Roblyn.** (2002) Faculty Development Travel Grant, \$300. *College of New Rochelle*, New Rochelle, NY.
- Sher, Anna.** (2001) Best Paper Award, \$500. *International Graduate Student Colloquium 'Challenges of the European Union's Eastern Enlargement,' Center for German and European Studies, Université de Montréal*, Montreal, Quebec, Canada.
- Shin, Hwa-Ji.** (2002) President's Award for Excellence in Teaching by a Graduate Student, \$500. *Stony Brook University*, Stony Brook, NY.

❖ Singly Authored Publications/Research Reports/Reviews

- Akella, Umasundari.** (2001) Book Review of *The Myth of Patriarchal Prehistory: Why an Invented Past Won't Give Women a Future* by Cynthia Eller. *Women's Studies International Forum* 24 (3/4): 483-484.
- Boussios, Emanuel.** (in press) Guys, Gangs, and Girlfriend Abuse. *Critical Criminology* 1.
- Cullen, Pauline P.** (2001) Coalitions Working for Social Justice. *Forging Radical Alliances Across Difference: Coalition Politics for the New Millennium*. J. Bystydzienski and S. Schacht, Eds. Oxford, England: Rowman and Littlefield.
- Ghani, Navid.** (in press) The New Second Generation in a Comparative Perspective. *Humanities/Aita*. New York: Humanities/Aita.
- Ghani, Navid.** (2001) Welfare and Public Benefits. *Health, Education, and Welfare: Encyclopedia of American Immigration*. J. Ciment, Ed. New York: M.E. Sharpe, Inc.
- Lindquist, Carol.** (2002) Add Penis and Stir: A Cookbook Approach to Gender Identity. *Gendered Sexualities: Advances in Gender Research* 2. P. Gagne and R. Tewksbury, Eds. London and New York: Elsevier Science.
- Lindquist, Carol.** (2002) Access to Higher Education. *The Family in America: An Encyclopedia*. J. Hawes and E. Shores, Eds. Santa Barbara, CA and Oxford: ABC-CLIO.

- Rawlins, Roblyn.** (in press) Science and the Social Meaning of Early Intellectual Development in Children: From 19th Century Pathology to 20th Century Potential. *Science in Service of the Child: Education, Child Welfare, and Parenting in Twentieth Century America*. J. Grant and E. Cahan, Eds. New Haven: Yale University Press.
- Rawlins, Roblyn.** (2002) Long Rows of Short Graves: Sentimentality, Science, and Distinction in the 19th Century Construction of the Intellectually Precocious Child. *Symbolic Childhood*. D. Cook, Ed. New York: Peter Lang Publishers.
- Rawlins, Roblyn.** (2001) Discipline. *Boyhood in America: An Encyclopedia*. P. Clement and J. Reiner, Eds. Denver, CO: ABC-CLIO.
- Sher, Anna.** (2001) A Di-vision of Europe: The European Union Enlarged. *Empire's New Clothes: Unveiling the EU's Enlargement*. J. Böröcz and M. Kovács, Eds. E-book is Published on the Website of the Online Journal *Central Europe Review* <<http://www.mirhouse.com/ce-review/>>. Translated in Hungarian. *Európa 'di-víziója': az Európai Unió bovitése. Replika 45-46: 111-130*. Budapest, Hungary. Forthcoming in 2002 in the Working Papers Series of the *Center for German and European Studies*. Université de Montréal, Montreal, Quebec, Canada.
- Shin, Hwa-Ji.** (2001) *The Report on Homeless Outreach Projects in the U.S.* Osaka City, Japan: Osaka Local Government Press.

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

- Grackin, J.A., and **Ng, L. Charis.** (2001) Success By Six Teacher Survey. *Data Analyses and Summary Report Commissioned by United Way of Long Island*. Long Island, NY.
- Neria, Y., Bromet, E., **Sievers, Sylvia**, Lavelle, J., and Fochtmann, L. (2002) Trauma Exposure and Posttraumatic Stress Disorder in Psychosis: Findings from a First-Admission Cohort. *Journal of Consulting and Clinical Psychology 70: 246-251*.
- Rule, J., Gimlin D., and **Sievers, Sylvia** (2002) *Computing in Organizations: Myth and Experience*. New Jersey: Transaction Publishers.

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

- Akella, Umasundari.** (2002) Women, Corporations and Law. *The 65th Annual Meeting of the Southern Sociological Society*. Baltimore, MD.
- Akella, Umasundari, and Muñoz, José.** (2001) The Environmental-Labor Coalitions: From Historic Opposition to New Movement Opportunities. How Long Will it Last? *The 96th Annual Meeting of the American Sociological Association*. Anaheim, CA.
- Boussios, Emanuel.** (2001) Wartime Casualties, Wartime Opinion and its Effects on Presidential Public Opinion in the Korean and Vietnam Wars. *The 96th Annual Meeting of the American Sociological Association*. Anaheim, CA.
- Boussios, Emanuel.** (2001) The 'Globalization' of Human Rights. *The 96th Annual Meeting of the American Sociological Association*. Anaheim, CA.
- Childress, Caroline.** (2001) Class, Context, and Shame. *The 96th Annual Meeting of the American Sociological Association*. Anaheim, CA.
- Cullen, Pauline P.** (2002) Obstacles to Transnational Cooperation in the European Social Policy Platform. *International Studies Association Conference*. New Orleans, LA.
- Cullen, Pauline P.** (2001) The European Union and the European Non-Governmental Sector: Partners for Domestic Policy Change? *European Community Studies Association Conference*. Madison, WI.

SOCIOLOGY

- Diamond, Diane.** (2002) Bringing in Women: Coeducation at Virginia Military Institute and the United States Military Academy at West Point. *The 72nd Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Diamond, Diane.** (2001) Gender Integration at VMI and West Point. *The 96th Annual Meeting of the American Sociological Association*. Anaheim, CA.
- Flamenbaum, Rachel V.** (2002) Privacy, Equality and Reproductive Rights. *The 65th Annual Meeting of the Southern Sociological Society*. Baltimore, MD.
- Ghani, Navid.** (2001) The New Second Generation in a Comparative Perspective. *Long Island Area Sociologists and Social Scientists Conference on Diversity in Research and Society*. Farmingdale, NY.
- Kus, Basak, and Mahler, Matthew.** (2002) The Problem of Non-Economic Action in Rational Choice Theory. *The 72nd Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Lewis II, Charles W.** (2002) Don't Ask, Don't Tell: Homophobia, the Courts, and the Military. *The 65th Annual Meeting of the Southern Sociological Society*. Baltimore, MD.
- Lewis II, Charles W.** (2002) Summer Sexuality Scholar Symposium. *Summer Institute at the University of Amsterdam*. Amsterdam, The Netherlands.
- Lindquist, Carol, and Barthel, D.** (2001) Voyeuristic Consumption: The All-Consuming Pastime. *The 96th Annual Meeting of the American Sociological Association*. Anaheim, CA.
- Lindquist, Carol, and Polit, G.** (2001) Cultural Colonization in Sex and Gender: The Syncretic Influence of a Disciplinary Technology. *Globalization and Nationalisms: The Second International Conference on Postcolonial Studies*. Vigo, Spain.
- Lu, Xuemei.** (2002) Legitimacy vs. Legality: Legal Domination in Traditional Society of China. *The 65th Annual Meeting of the Southern Sociological Society*. Baltimore, MD.
- Lu, Xuemei.** (2002) Legitimacy vs. Legality: The Coexistence of Modern State and Traditional Society of Contemporary China. *The 72nd Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Mahler, Matthew.** (2002) Refashioning the Politics of Sameness and Difference. *The 72nd Annual Meeting of the Eastern Sociological Society*. Boston, MA.
- Muñoz, José.** (2002) Global Structuring on Collective Action: Zapatistas, Mexico, and the New World Economy. *The 65th Annual Meeting of the Southern Sociological Society*. Baltimore, MD.
- Barreto, M., and **Muñoz, José.** (2001) Mexican Immigrants and Socio-Political Participation in the United States. *The 96th Annual Meeting of the American Sociological Association*. Anaheim, CA.
- Ng, L. Charis.** (2002) Retirement Las Vegas Style: A Sociological Perspective on the Elderly and Casino Gambling. *The 65th Annual Meeting of the Southern Sociological Society*. Baltimore, MD.
- Ng, L. Charis.** (2002) The Rise of Casinos and the Elderly Population: Structural Access and Gambling Propensity. *The 65th Annual Meeting of the Southern Sociological Society*. Baltimore, MD.
- Ng, L. Charis.** (2002) Casino Gambling: Age and Class. *How Class Works Conference*. Stony Brook University, Stony Brook, NY.
- Ng, L. Charis.** (2001) Using Multiple Employment for Successful Immigrant Incorporation: A New York Profile. *The 96th Annual Meeting of the American Sociological Association*. Anaheim, CA.
- Rawlins, Roblyn.** (2002) The Measure of Intelligence: From Precocity as Pathology to Giftedness as Goodness. *Middle Atlantic Studies Association Annual Meeting*. Philadelphia, PA.
- Schoepflin, Todd.** (2002) My Own Degradation Ceremony: The Sociology of Getting Punched in the Face. *The 72nd Annual Meeting of the Eastern Sociological Society*. Boston, MA.

- Sher, Anna.** (2001) A Di-vision of Europe: The European Union Enlarged. *An International Graduate Student Colloquium 'Challenges of the European Union's Eastern Enlargement.'* Center for German and European Studies, Université de Montréal, Montreal, Quebec, Canada.
- Sher, Anna.** (2002) Constructing Normalcy and Order: Free Market and the Rule of Law in Post-Socialist Russia. *The Law and Society Graduate Student Workshop.* Vancouver, British Columbia, Canada.
- Sher, Anna.** (2001) A Di-vision of Europe: The European Union Enlarged. *An International Conference 'Faith, Dope and Charity. Purity and Danger in East European Politics and Culture.'* School of Slavonic and East European Studies, University College, London, UK.
- Sievers, Sylvia.** (2001) The Social Construction of Skinhead Identity. *American Society of Criminology Annual Meeting.* Atlanta, GA.
- Smith, Tyson.** (2002) The Construction of Masculinity in Jim Beam's 'Real Friend's, Real Bourbon' Advertising Campaign. *Guilt: A Culture of Manipulation.* Stony Brook University, Stony Brook, NY.
- Smith, Tyson.** (2002) The Construction of Masculinity in Jim Beam's 'Real Friend's, Real Bourbon' Advertising Campaign. *The 65th Annual Meeting of the Southern Sociological Society.* Baltimore, MD.
- Spears, David.** (2002) The Social Economy of Ebay. *The 65th Annual Meeting of the Southern Sociological Society.* Baltimore, MD.
- Trillo, Alexander.** (2001) Personal Networks and Homeless Trajectories: Strong and Weak Ties in a Different Context. *The 96th Annual Meeting of the American Sociological Association.* Anaheim, CA.
- Weiss, Karen G.** (2001) Never Calling It Rape: Women's Constructed Realities and Cognitive Strategies for Denying and Redefining Date Rape. *The 96th Annual Meeting of the American Sociological Association.* Anaheim, CA.
- Wilson-Corzen, Vondora.** (2001) Dredging Activism Out of the Peconic!: A Study of Micromobilization. *The 96th Annual Meeting of the American Sociological Association.* Anaheim, CA.
- Winston, Fletcher.** (2002) Redefining the Boundaries of the Grassroots Environmental Movement. *The 65th Annual Meeting of the Southern Sociological Society.* Baltimore, MD.

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

- Dennis, Jeffery.** (2001) Assistant Professor. Department of Sociology and Anthropology, *Bowdoin College*, Brunswick, ME.
- Duchowny, Laurel.** (2001) Assistant Professor. Department of Social Sciences, *California Polytechnic State University*, San Luis Obispo, CA.
- Green, Gayle.** (2001) Managing Editor: *Men and Masculinities*, An Interdisciplinary, International Journal of Gender Issues. Department of Sociology, *Stony Brook University*, Stony Brook, NY.
- Rawlins, Roblyn.** (2001) Assistant Professor. Department of Sociology, *College of New Rochelle*, New Rochelle, NY.
- Trillo, Alexander.** (2001) Assistant Professor. Department of Sociology and Latino Studies, *St. Xavier University*, Chicago, IL.

❖ **Internship Appointments**

- Smith, Tyson.** (2002) Graduate Intern. Wo/Men's Center, *Stony Brook University*, Stony Brook, NY.

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GRADUATE DIRECTOR: MICHAEL ZELENAK

DEPARTMENT CHAIR: JOHN LUTTERBIE

❖ Grants, Fellowships, and Awards

Diaz-Lobos, Pamela. (2002) Fulbright Scholarship, *Fulbright Foundation*, New York, NY/Cairo.

Lammers, Petra. (2002) Quadrille Ball Scholarship. *Fulbright and Academic Services*, New York, NY.

Searles, Jason. (2002) Fulbright Scholarship, *Fulbright Foundation*, New York, NY/South Africa.

Thacker, Candice. (2002) John Gassner Award in Dramaturgy. *Stony Brook University*, Stony Brook, NY.

❖ Singly Authored Publications/Research Reports/Reviews

Promin, Christine. (2002) Iodine. *Affirmation*. Charlotte, NC: Open Cut Publications.

Promin, Christine. (2001) Iodine. *Farmer's Market*. Charlotte, NC: Open Cut Publications.

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

Lammers, Petra. (2001) The Dramaturg as Collaborator. *LMDA National Conference*. Denver, CO.

Promin, Christine. (2002) Selected Participant. *Fordham Playwriting Program*. Orvieto, Italy.

Promin, Christine. (2001) Selected Participant. *Women's Leadership Conference*. Stony Brook University, Stony Brook, NY.

❖ Internship Appointments

Beck, Glen. (2001/2002) Educational Intern. *MCC Theatre*, New York, NY.

Evangelou, Ellada. (2002) Dramaturg. *Classic Stage Company*, New York, NY.

Kellner, Aaron. (2001) Dramaturg/Script Reader. *Women's Project and Productions*, New York, NY.

Lammers, Petra. (2001) Dramaturg. *Manhattan Ensemble Theater*, New York, NY.

Lammers, Petra. (2001) Dramaturg. *Ontological-Hysterical Theater*, New York, NY.

Lammers, Petra. (2002) Directing. *Volksbuehne, Berlin*, Germany.

Promin, Christine. (2001) Production Intern. *15th Annual New Playwright's Festival*, *Charlotte Repertory Theatre*, Charlotte, NC.

Promin, Christine. (2001) Literary and Educational Outreach Intern. *Charlotte Repertory Theatre*, Charlotte, NC.

Robbins, Rhonda. (2002) Mellon Foundation Dramaturgy Fellowship. *Center Stage*, Baltimore, MD.

❖ **Theatrical Productions and Performances**

- Beck, Glen.** (2002) Actor. The Wizard of Oz and You're a Good Man Charlie Brown. *Broadhollow Educational Repertory Theatre, Bayway Arts Center, Islip, NY.*
- Beck, Glen.** (2002) Actor. Joseph and the Amazing Technicolor Dreamcoat. *The Stage, Merrick, NY.*
- Beck, Glen.** (2002) Actor. The King and I. *The Stage, Merrick, NY.*
- Beck, Glen.** (2002) Director. Once Upon a Mattress, Anything Goes, Cinderella, and Pajama Game. *Chatterton Players, Merrick, NY.*
- Beck, Glen.** (2001) Actor. Ten Little Indians. *The Stage, Merrick, NY.*
- Beck, Glen.** (2001) Director. Oklahoma! and Dames at Sea. *Kenwal Players, Melville, NY.*
- Beck, Glen.** (2002) Director. Puss in Boots. *The Stage, Merrick, NY.*
- Beck, Glen.** (2002) Actor. Performance Workshop. *Stony Brook University, Stony Brook, NY.*
- Beck, Glen.** (2002) Actor. *North Shore Dance Ensemble, Huntington, NY.*
- Beck, Glen.** (2001) Assistant Director/Dramaturg/Actor. *Gettysburg Theatre Festival, Gettysburg, PA.*
- Bojsza, Elizabeth Joy.** (2001) Dramaturg. Quadrophonia by Gene DeMario. *The Parish House Theater, West Orange, NJ.*
- Bojsza, Elizabeth Joy.** (2001) Playwright and Co-director. *Cabaret @ The Spot, Stony Brook University, Stony Brook, NY.*
- Bojsza, Elizabeth Joy.** (2002) Actress. "Skinheadgirl", Polaroid Stories by Naomi Izuka. *Theater Two, Staller Center, Stony Brook University, Stony Brook, NY.*
- Bojsza, Elizabeth Joy.** (2002) Performer. The Cost of Perfect Vision by Joshua M. Adler. *Theater Three, Staller Center, Stony Brook University, Stony Brook, NY.*
- Bojsza, Elizabeth Joy.** (2002) Assistant Dramaturg. Mother Courage and Her Children by Bertolt Brecht. *Theatee Two, Staller Center, Stony Brook University, Stony Brook, NY.*
- Cardillo, Frank.** (2002) Actor. Miss Sara Sampson. *Stony Brook University, Stony Brook, NY.*
- Daidone, Deborah.** (2002) Actor/Director/Dramaturg. Agnes of God. *Cabaret @ The Spot, Stony Brook University, Stony Brook, NY.*
- Deborah Daidone.** (2002) Playwright/Director/Dramaturg. Word Play. *Cabaret @ The Spot, Stony Brook University, Stony Brook, NY.*
- Diaz-Lobos, Pamela.** (2002) Director/Dramaturg. Woyzeck. *Theater Three, Staller Center, Stony Brook University, Stony Brook, NY.*
- Evangelou, Ellada.** (2001) Dramaturg. Spike Heels. *Theater Two, Staller Center, Stony Brook University, Stony Brook, NY.*
- Evangelou, Ellada.** (2001) Acting. Coming Over/Overcoming. *Cabaret @ The Spot, Stony Brook University, Stony Brook, NY.*
- Evangelou, Ellada.** (2001) Acting/Directing/Dramaturg. Stuck (Like a Duck in a Pond Full of Ice). *Cabaret @ the Spot, Stony Brook University, Stony Brook, NY.*
- Hawley, Joan.** (2001) Assistant Dramaturg. Prelude to a Kiss. *Theater Two, Staller Center, Stony Brook University, Stony Brook, NY.*
- Hawley, Joan.** (2001) Director. Dork. *Cabaret @ The Spot, Stony Brook University, Stony Brook, NY.*
- Hawley, Joan.** (2002) Playwright and Director. Evensong. *Cabaret @ The Spot, Stony Brook University, Stony Brook, NY.*

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- Kellner, Aaron.** (2002) Assistant Director/Dramaturg. *Prelude to a Kiss. Theater Two, Staller Center, Stony Brook University, Stony Brook, NY.*
- Kellner, Aaron.** (2002) Actor/Director. *Miss Sara Sampson. Stony Brook University, Stony Brook, NY.*
- Kellner, Aaron.** (2002) Marketing Coordinator. *Polaroid Stories. Theater Two, Staller Center, Stony Brook University, Stony Brook, NY.*
- Kellner, Aaron.** (2001) Marketing Coordinator. *Prelude to a Kiss. Theater Two, Staller Center, Stony Brook University, Stony Brook, NY.*
- Lammers, Petra.** (2001) Director. *Medea Material by Heiner Muller. Cabaret @ The Spot, Stony Brook University, Stony Brook, NY.*
- Lammers, Petra.** (2002) Dramaturg. *Polaroid Stories by Naomi Iizuka. Theater Two, Staller Center, Stony Brook University, Stony Brook, NY.*
- Lammers, Petra.** (2001/2002) Dramaturg and Director. *The Drilling Company. New York, NY.*
- Lammers, Petra.** (2002) Director. *Lilith by D. Junghaenel. Cabaret @ The Spot, Stony Brook University, Stony Brook, NY.*
- Lammers, Petra.** (2002) Performer. *Canibal es el Mundo with Margarita Espada. Cabaret @ The Spot, Stony Brook University, Stony Brook, NY.*
- Lance-Gefroh, Valeri.** (2001). Director. *Spike Heels by Theresa Rebeck. Theater Two, Staller Center, Stony Brook University, Stony Brook, NY.*
- Mmila, Pabalelo.** (2001) Actor. *A Local Music Video, In African Renaissance. Oule, Botswana, Africa.*
- Mmila, Pabalelo.** (2002) Actor. *Woyzeck. Stony Brook University, Stony Brook, NY.*
- Mmila, Pabalelo.** (2002) Actor. *Miss Sara Sampson. Stony Brook University, Stony Brook, NY.*
- Promin, Christine.** (2001) Actor. *Brides of the Moon (Bridget). Cabaret @ The Spot, Stony Brook University, Stony Brook, NY.*
- Promin, Christine.** (2001) Actor. *Play it Again Sam (Linda). Off Tryon Theatre, Charlotte, NC.*
- Promin, Christine.** (2001) Assistant Dramaturg. *Spike Heels. Theater Two, Staller Center, Stony Brook University, Stony Brook, NY.*
- Promin, Christine.** (2001) Dramaturg. *Having Our Say. Charlotte Repertory Theatre, Charlotte, NC.*
- Promin, Christine.** (2001) Dramaturg. *Wit. Charlotte Repertory Theatre. Charlotte, NC.*
- Promin, Christine.** (2001) Dramaturg. *Importance of Being Earnest. Theatre Charlotte, Charlotte, NC.*
- Promin, Christine.** (2002) Director and Producer. *The Agony of Ecstasy. Cabaret @ The Spot, Stony Brook University, Stony Brook, NY.*
- Promin, Christine.** (2002) Actor. *Evensong (Frances). Cabaret @ The Spot, Stony Brook University, Stony Brook, NY.*
- Promin, Christine.** (2002) Marketing. *Mother Courage and Her Children. Theater Two, Staller Center, Stony Brook University, Stony Brook, NY.*
- Sinanovic, Jasmina.** (2001) Director/Actor. *Brides of the Moon. Cabaret @ The Spot, Stony Brook University, Stony Brook, NY.*
- Sinanovic, Jasmina.** (2001) Actor. *Coming Over/Overcoming. Cabaret @ The Spot, Stony Brook University, Stony Brook, NY.*
- Sinanovic, Jasmina.** (2002) Dramaturg. *Mother Courage and Her Children. Theater Two, Staller Center, Stony Brook University, Stony Brook, NY.*
- Sinanovic, Jasmina.** (2002) Director/Actor/Dramaturg. *Stuck. Cabaret @ The Spot, Stony Brook University, Stony Brook, NY.*

Sinanovic, Jasmina. (2002) Actor. Little Mermaid. *Cabaret @ The Spot, Stony Brook University*, Stony Brook, NY.

Sinanovic, Jasmina. (2002) Director/Actor/Dramaturg. Lorenzacchio. *Stony Brook University*, Stony Brook, NY.

Thacker, Candice. (2001) Actor. Refuge. *Cabaret @ The Spot, Stony Brook University*, Stony Brook, NY.

Thacker, Candice. (2002) Actor. Mother Courage and her Children. *Theater Two, Staller Center, Stony Brook University*, Stony Brook, NY.

❖ **Translations/Publications**

Kellner, Aaron. (2002) Adapation/Translation. Miss Sara Sampson by Lessing. *Stony Brook University*, Stony Brook, NY.

Kellner, Aaron. (2002) Staff Writer. *Stage Press Weekly*. New York, NY.

Lammers, Petra, and Aaron Leichter. (2001) Manhattan Media by Dea Loher. New York, NY.

Lammers, Petra. (2001) The Castle by Kafka. *Manhattan Ensemble Theatre*. New York, NY.

Lammers, Petra. (2002) The Double Bass by Patrick Siskind. New York, NY.

❖ **Website Development**

Promin, Christine. (2001) Web Designer. Spike Heels. Theatre Arts Department Website
<http://www.sinc.sunysb.edu/Class/thr500/thr500/spikeheels>. *Stony Brook University*, Stony Brook, NY.

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