

**ANNOUNCEMENT OF 2013 AWARDS**  
**Institutional Support of Research and Creativity Grants**  
**Teaching and Learning with Technology Grants**

The Office of Academic Affairs of the New York Institute of Technology is pleased to announce the award of twenty-four competitive *Institutional Support of Research and Creativity Grants* and *Teaching and Learning with Technology Grants* to the following NYIT faculty members in 2013, in support of research and creative endeavors:

**Tobi A. Abramson, Ph.D.**, Director and Assistant Professor, Mental Health Counseling; Principal Investigator  
**Lorraine L. Mongiello, Dr.P.H.**, Assistant Professor, Clinical Nutrition; Co-Principal Investigator  
ISRC Grant: *Intergenerational Community Garden.*

**Beth E. Adubato, Ph.D.**, Assistant Professor, Behavioral Sciences; Principal Investigator  
ISRC Grant: *Second City: A Replication of a Media and Domestic Violence Study.*

**Matthias Altwicker, B.Arch., RA, LEED AP**, Associate Professor and Chairperson, Architecture; Principal Investigator  
**Nicholas Dagen Bloom, Ph.D.**, Associate Professor and Chairperson, Social Sciences; Co-Principal Investigator  
ISRC Grant: *Standing Tall: Exhibition, Catalog and Public Programs for The Museum of the City of New York.*

**Kiran S. Balagani, Ph.D.**, Assistant Professor, Computer Science; Principal Investigator  
**Paolo Gasti, Ph.D.**, Assistant Professor, Computer Science; Co-Principal Investigator  
ISRC Grant: *Privacy-Preserving Continuous Authentication of Smartphone Users Using Hand-Orientation.*

**Carol A. Dahir, Ed.D.**, Professor and Chairperson, School Counseling; Principal Investigator  
**Youjeong Kim, Ph.D.**, Assistant Professor, Communication Arts; Co-Principal Investigator  
**Megyn L. Shea, Ph.D.**, Assistant Professor, School Counseling; Co-Principal Investigator  
ISRC Grant: *Using Avatar Applications and Virtual Reality to Empower K-12 Students' Problem Solving.*

**Aydin Farajidavar, Ph.D.**, Assistant Professor, Electrical and Computer Engineering; Principal Investigator  
**Satasha L. Green, Ph.D.**, Dean and Associate Professor, Education; Co-Principal Investigator  
ISRC Grant: *Continuous Monitoring and Educating Children With Autism.*

**Karen Friel, P.T., D.H.S.**, Associate Professor and Chairperson, Physical Therapy; Principal Investigator  
TLT Grant: *Development of e-Books to Integrate Essential Course Materials in the Physical Therapy Curriculum.*

**Farzana Gandhi, M.Arch., LEED AP**, Assistant Professor, Architecture; Principal Investigator  
**Jason Van Nest, M.Arch., RA**, Assistant Professor, Architecture; Co-Principal Investigator  
**Michael Hadjiargyrou, Ph.D.**, Professor and Chairperson, Life Sciences; Co-Principal Investigator  
ISRC Grant: *SodaBIBs (Bottle Interface Bracket System; [www.sodabib.org](http://www.sodabib.org)): Design-Build Prototypical Recycling Stations for NYIT.*

**Paolo Gasti, Ph.D.**, Assistant Professor, Computer Science; Principal Investigator  
**Wei Ding, Ph.D.**, Assistant Professor, Computer Science; Co-Principal Investigator  
ISRC Grant: *Privacy-Preserving Estimation of Password Strength.*

**Jennifer L. Griffiths, Ph.D.**, Associate Professor, English; Principal Investigator  
ISRC Grant: *Violence and Black Youth in Post-Civil Rights U.S. (Edited Volume)*.

**Huanying Gu, Ph.D.**, Associate Professor, Electrical and Computer Engineering; Principal Investigator  
ISRC Grant: *Auditing UMLS Semantic Type Assignment Using SNOMED CT*.

**Mark J. Gugliotti, P.T., D.P.T.**, Assistant Professor, Physical Therapy; Principal Investigator  
**Robert V. Hill, Ph.D.**, Associate Professor and Chairperson, Anatomy; Assistant Dean, Academic Affairs;  
Co-Principal Investigator  
**Bennett Futterman, M.D.**, Assistant Professor, Anatomy; Co-Principal Investigator  
ISRC Grant: *Can An Alternative Passive Position of the Upper Extremity be Performed to Elicit a Similar Response of Ulnar Nerve Tension Bias When Compared to a Traditional Orthopedic Manual Therapy Maneuver?*

**Michael Hadjiargyrou, Ph.D.**, Professor and Chairperson, Life Sciences; Principal Investigator  
**Eduard I. Dedkov, M.D., Ph.D.**, Assistant Professor, Biomedical Sciences; Co-Principal Investigator  
ISRC Grant: *Does *Mustn1* Regulate Skeletal Muscle Development?*

**Tobias Holler, M.Arch., AIA LEED AP**, Assistant Professor, Architecture; Principal Investigator  
**Georg Fuerlinger, Ph.D.**, Adjunct Professor, Management; Co-Principal Investigator  
ISRC Grant: *BuckyFarm at Welwyn*.

**Hossein Kashani, M.S.**, Associate Professor, Electrical Engineering Technology; Principal Investigator  
**Yuko Oda, M.F.A.**, Associate Professor, Fine Arts; Co-Principal Investigator  
**Robert Michael Smith, M.F.A.**, Associate Professor, Fine Arts; Co-Principal Investigator  
**Joanne L. Scillitoe, Ph.D.**, Associate Professor, Management; Director, Center for Entrepreneurial Studies;  
Co-Principal Investigator  
**Lynn Rogoff, M.F.A.**, Adjunct Professor, Communication Arts; Co-Principal Investigator  
**Sarah McPherson, Ed.D.**, Associate Professor and Chairperson, Instructional Technology; Co-Principal Investigator  
ISRC Grant: *Cross-Disciplinary Development Learning Application Based on Virtual Ecosystems of Endangered Species*.

**Kevin LaGrandeur, Ph.D.**, Associate Professor, English; Principal Investigator  
ISRC Grant: *The Philosophical Roots of Moral Machines*.

**Fang Li, Ph.D.**, Assistant Professor, Mechanical Engineering; Principal Investigator  
**Tao Zhang, Ph.D.**, Associate Professor, Electrical and Computer Engineering; Co-Principal Investigator  
ISRC Grant: *Passive Surface Acoustic Wave Sensor System for Wireless Body Area Networks*.

**Raja Nag, Ph.D.**, Professor, Finance; Principal Investigator  
**Ravichandran Krishnamurthy, Ph.D.**, Assistant Professor, Finance; Co-Principal Investigator  
**Gantasala V. Prabhakar, Ph.D.**, Assistant Professor, Management; Co-Principal Investigator  
ISRC Grant: *CO<sub>2</sub> Mitigation in UAEs Power Sector -- Solar Augmentation as a Viable Solution: A Cost-Benefit Analysis*.

**Eleni Nikitopoulos, Ph.D.**, Assistant Professor, Life Sciences; Principal Investigator  
**Ana G. Petrović, Ph.D.**, Assistant Professor, Life Sciences; Co-Principal Investigator  
ISRC Grant: *The Chemistry of Behavior: Analysis of Primate Pheromones across the Ovulatory Cycle*.



NEW YORK INSTITUTE OF TECHNOLOGY

**Ana G. Petrović, Ph.D.**, Assistant Professor, Life Sciences; Principal Investigator  
**Niharika Nath, Ph.D.**, Associate Professor, Life Sciences; Co-Principal Investigator  
ISRC Grant: *Structure-Activity Elucidation of Chiral Medicinal Natural Products.*

**Emily B. Restivo, Ph.D.**, Assistant Professor, Behavioral Sciences; Principal Investigator  
ISRC Grant: *What Variables Moderate the Effect of Formal Punishment on Future Behavior?*

**Lisa M. Runco, Ph.D.**, Assistant Professor, Life Sciences; Principal Investigator  
ISRC Grant: *Synthetic Biology Based 'Re-Coding' of a Bacterial Toxin - Working towards a Diarrhea Vaccine.*

**Megyn L. Shea, Ph.D.**, Assistant Professor, School Counseling; Principal Investigator  
**Robert S. Rotunda, Ed.D.**, Adjunct Professor, School Counseling; Co-Principal Investigator  
TLT Grant: *Evaluating the Impact of an Online Supervision Training Module.*

**Sabiha Wadoo, Ph.D.**, Assistant Professor, Electrical and Computer Engineering; Principal Investigator  
ISRC Grant: *Control of Freeway Traffic using Wireless Cellular Networks.*