

ANNOUNCEMENT OF 2017 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 Thirty-Five competitive *Institutional Support of Research and Creativity Grants* and *Teaching and Learning with Technology Grants* to the following NYIT faculty members in 2017, in support of research and creative endeavors:

Reza Khalaj Amineh, Ph.D., Assistant Professor, Electrical and Computer Engineering, Principal Investigator
 ISRC Grant: *Development of a Near-Field Cylindrical Microwave Imaging Technology.*

N. Sertac Artan, Ph.D., Assistant Professor, Electrical and Computer Engineering, Principal Investigator
Ziqian Dong, Ph.D., Associate Professor, Electrical and Computer Engineering, Co-Principal Investigator
 TLT Grant: *Promoting High-Impact Education Practices with Hands-on Projects on Visible Light Communication (VLC).*

Melanie Austin-McCain, OTD, MPA, OTR/L, Asst. Professor, Occupational Therapy, Principal Investigator
Zehra Ahmed, PA-C, MBBS, Asst. Professor; Chairperson, Physician Asst. Studies, Co-Principal Investigator
Gabrielle St. Leger, Ed.D, Dean of Students, Student Affairs, Co-Principal Investigator
Adrienne McNally, M.S., Director, Experiential Education, Student Affairs, Co-Principal Investigator
 ISRC Grant: *Communities on the Move: Partnering for Wellness and Empowerment.*

Kiran S. Balagani, Ph.D., Assistant Professor, Computer Science, Principal Investigator
Rosemary Gallagher, PT, DPT, GCS, Assistant Professor, Physical Therapy, Co-Principal Investigator
Paolo Gasti, Ph.D., Assistant Professor, Computer Science, Co-Principal Investigator
Isaac Kurtzer, Ph.D., Assistant Professor, Biomedical Sciences, Co-Principal Investigator.
 ISRC Grant: *Evaluating the Security and Resilience of Smartphone Behavioral Biometrics Using 3D Motion Capture.*

Nicholas Bloom, Ph.D., Associate Professor and Associate Dean, Social Sciences, Principal Investigator
Matthias Altwicker, RA, Associate Professor, Architecture, Co-Principal Investigator
Amy Bravo, M.A., Senior Director, International and Experiential Education, Co-Principal Investigator
Farzana Gandhi, RA, Assistant Professor & Chairperson, Architecture, Co-Principal Investigator
Ellen Katz, Ph.D., Associate Professor & Chairperson, Social Sciences, Co-Principal Investigator
Jim Martinez, Ph.D., Assistant Professor, Masters Instructional Technology, Co-Principal Investigator
Lillian Niwagaba, Ph.D., Assistant Professor; Director, Global Health, Co-Principal Investigator
Kate E. O'Hara, Ph.D., Asst. Professor; Interim Chair, Masters Instructional Technology, Co-Principal Investigator
Christian Pongratz, M.Arch, Interim Dean, Interdisciplinary Studies & Education; Professor of Architecture and Interdisciplinary Studies; Co-Principal Investigator
Jason Rosenblum, Ph.D., Associate Director, Center for Teaching and Learning, Co-Principal Investigator
Emily Rukobo, M.A., Executive Director, Global Academic Programs, Co-Principal Investigator
 ISRC Grant: *Building Resilient Communities.*

Dorinamaria Carcka, Ph.D., Assistant Professor, Mechanical Engineering, Principal Investigator
 ISRC Grant: *Development of In-House Fortran Source-Code for Coupled Ferroelectric and Micro Magnetic Phase-Field Simulations.*

Andrew Costello, Ph.D., Assistant Professor, Behavioral Sciences, Principal Investigator
Blair Hoplight II, Ph.D., Assistant Professor, Behavioral Sciences, Co-Principal Investigator
 ISRC Grant: *Comparison of Corporeal Lineups to Photo Arrays.*



Aydin Farajidavar, Ph.D., Assistant Professor, Electrical and Computer Engineering, Principal Investigator
ISRC Grant: *A Multi-Chanel Implantable System for Managing Gastric Disorders.*

Minaz Fazal, Ph.D., Assistant Professor, Teacher Education Program, Principal Investigator
ISRC Grant: *Young Writers' Partnership- Increasing Writing Achievement.*

Claude Gagna, Ph.D., Associate Professor, Life Sciences, Principal Investigator

Greg Banhazl, B.A., M.S., Director, Business Development, Co-Principal Investigator

Dena Winokur, Ph.D., Associate Professor, Communication Arts, Co-Principal Investigator

ISRC Grant: *Purchase Anti-DNA Antibodies as Probes to Prove Validity of Next Generation DNA Microarray Prototypes (Exotic DNA Structures): to Launch a Biotechnology Company-NYIT and Arrayit Corporation (NIH-STTR Grant).*

Rosemary Gallagher, PT, DPT, GCS, Assistant Professor, Physical Therapy, Principal Investigator

Michelle Farella-Accurso, PT, DPT, Physical Therapist, Academic Health Care Center, Co-Principal Investigator

ISRC Grant: *The Relationship between Cognition and Balance using the Montreal Cognitive Assessment and the MiniBESTest in Parkinson's disease.*

Paolo Gasti, Ph.D., Assistant Professor, Computer Science, Principal Investigator

Kiran S. Balagani, Ph.D., Assistant Professor, Computer Science, Co-Principal Investigator

Anand Santhanakrishnan, Ph.D., Assistant Professor, Electrical & Computer Engineering, Co-Principal Investigator

ISRC Grant: *An Exploration of USB Side Channels and Countermeasures.*

Bryan Gibb, Ph.D., Assistant Professor, Life Sciences, Principal Investigator

ISRC Grant: *The Quest for Novel Antibiotics: Phage Therapy.*

Amanda Golden, Ph.D., Assistant Professor, English, Principal Investigator

ISRC Grant: *Editing the Archive: Poetry and Technology.*

Eric Greenberg, PT, DPT, SCS, CSCS, Assistant Professor, Physical Therapy, Principal Investigator

William Werner, PT, Associate Professor, Physical Therapy, Co-Principal Investigator

ISRC Grant: *Comparison of Running Mechanics With and Without the Use of a Specialized Belt System in a Group of Healthy Runners.*

Michael Hadjiargyrou, Ph.D., Professor, Life Sciences, Principal Investigator

ISRC Grant: *The role of *Mustn1* in Cartilage Biology.*

Xueting Jiang Ph.D., Assistant Professor, Management, Principal Investigator

ISRC Grant: *Being a Chinese: A Qualitative Study on Overseas Business Expatriates in China.*

Colleen P. Kirk, Ph.D., Assistant Professor, Marketing, Principal Investigator

ISRC Grant: *Yours, Mine or Ours? Psychological Ownership, Territoriality and Narcissism in Consumer Behavior.*

Kevin La Grandeur, Ph.D., Professor, English, Principal Investigator

ISRC Grant: *Art, Emerging Technology, and the Posthuman.*

Fang Li, Ph.D., Assistant Professor, Mechanical Engineering, Principal Investigator
Qiangrong Liang, M.D., Ph.D., Associate Professor, Biomedical Sciences, Co-Principal Investigator
ISRC Grant: *On-Chip Studies of Human Pluripotent Stem Cell-Derived Cardiomyocyte Maturation.*

Jim Martinez, Ph.D., Assistant Professor, Masters Instructional Technology, Principal Investigator
Kate E. O'Hara, Ph.D., Asst. Professor; Interim Chairperson, Masters Instructional Technology, Co-Prin. Investigator
Ann-Marie Parkes, Ed.D., Assistant Professor, Masters Instructional Technology, Co-Principal Investigator
ISRC Grant: *Developing Teaching Practices in Global Online Communities.*

Gavin P. McStay, Ph.D., Assistant Professor, Life Sciences, Principal Investigator
ISRC Grant: *Interrogation of Signal Transduction Pathways Induced by Absence of the Barth's Syndrome Associated Protein, Tafazzin, in Yeast.*

Niharika Nath, Ph.D., Associate Professor and Chairperson, Life Sciences, Principal Investigator
ISRC Grant: *Computer Aided Detection of Cancer Cells in Early Stage Breast Cancer.*

Niharika Nath, Ph.D., Associate Professor and Chairperson, Life Sciences, Principal Investigator
TLT Grant: *Integration of Computerized Assessment to Evaluate the Curriculum Continuously and Improve Learning Outcome in Introductory and Intermediate courses of Life Science/Bio majors.*

Eleni Nikitopoulos, DVM, Ph.D., Assistant Professor, Biology, Principal Investigator
ISRC Grant: *Olfactory Ovulation Signals in Simian Primates.*

Kate E.O'Hara, Ph.D., Asst. Professor; Interim Chairperson, Masters Instructional Technology, Principal Investigator
Matthias Altwicker, RA, Associate Professor, Architecture, Co-Principal Investigator
Nicholas Bloom, Ph.D., Associate Professor and Associate Dean, Social Sciences, Co-Principal Investigator
Amy Bravo, M.A., Senior Director, International and Experiential Education, Co-Principal Investigator
Farzana Gandhi, RA, Assistant Professor and Chairperson, Architecture, Co-Principal Investigator
Jim Martinez, Ph.D., Assistant Professor, Masters Instructional Technology, Co-Principal Investigator
Lillian Niwagaba, Ph.D., Assistant Professor; Director, Global Health, Co-Principal Investigator
Christian Pongratz, M.Arch Interim Dean, Interdisciplinary Studies & Education; Professor of Architecture and Interdisciplinary Studies; Co-Principal Investigator
Jason Rosenblum, Ph.D., Associate Director, Center for Teaching and Learning, Co-Principal Investigator
Emily Rukobo, M.A., Executive Director, Global Academic Programs, Co-Principal Investigator
TLT Grant: *Building Resilient Communities.*

Navin Pokala, Ph.D., Assistant Professor, Life Sciences, Principal Investigator
ISRC Grant: *Development of a Synthetic Neurotransmission System.*

Anand Santhanakrishnan, Ph.D., Assistant Professor, Electrical and Computer Engineering, Principal Investigator
Wenjia Li, Ph.D., Assistant Professor, Computer Science, Co-Principal Investigator
ISRC Grant: *Enhancing Privacy of Users in Social Media.*

James J. Scire, Jr., Ph.D., Assistant Professor, Mechanical Engineering, Principal Investigator
ISRC Grant: *Improved Algorithm for Turbine Inlet Temperature Measurement.*

Shaya Sheikh, Ph.D., Assistant Professor, Operations Management, Principal Investigator
Purushottam Meena, Ph.D., Assistant Professor, Management Science, Co-Principal Investigator
ISRC Grant: *Big Data Driven Energy Management in Solar Powered Smart Homes.*



Robert Smith, M.F.A., Associate Professor, Digital Art & Design, Principal Investigator
Matthew Cornelius, MSc, Art Media Technical Director, Digital Art & Design, Co-Principal Investigator
Azhar Ilyas, Ph.D., Assistant Professor, Electrical and Computer Engineering, Co-Principal Investigator
Christian Pongratz, M.Arch, Interim Dean, Interdisciplinary Studies & Education; Professor of Architecture and Interdisciplinary Studies; Co-Principal Investigator
Aleksandr Vasilyev, M.D., Ph.D., Assistant Professor, Biomedical Sciences, Co-Principal Investigator
ISRC Grant: *Development of a 3D Bioprinter Utilizing the Dexter Robotic Framework.*

Jason Van Nest, RA, Assistant Professor, Architecture, Principal Investigator
Jason Sargenti, RA, Adjunct Instructor, Architecture, Co-Principal Investigator
TLT Grant: *Augmented Reality Sandbox.*

Shiang-Kwei Wang, Ph.D., Professor and Associate Dean, Masters Instructional Technology, Principal Investigator
Meesuk Ahn, Ph.D., Adjunct Assistant Professor, Interdisciplinary Studies, Co-Principal Investigator
Hui-Yin Hsu, Ph.D., Associate Professor and Chairperson, Teacher Education, Co-Principal Investigator
ISRC Grant: *Examining the Effects of Playing Video Games on Creative Thinking.*

Melda Yildiz, Ed.D, Associate Professor and Chairperson, Instructional Technology, Principal Investigator
Amy Bravo, M.A., Senior Director, International & Experiential Education, Co-Principal Investigator
David Cirella, MLS, Librarian II, Emerging Technology Librarian, Manhattan Campus, Co-Principal Investigator
Wenjia Li, Ph.D., Assistant Professor, Computer Science, Co-Principal Investigator
Michael Uttendorfer, Ed.D, Associate Professor, Masters Instructional Technology, Co-Principal Investigator
TLT Grant: *Multilingual Multicultural Multimedia: Globally connected Mobile Learning Projects.*

Shenglong Zhang, Ph.D., Assistant Professor, Life Sciences, Principal Investigator
ISRC Grant: *Direct and De Novo Sequencing of RNA with Concomitant Base-Calling and Modification Analysis Capability.*