



ANNOUNCEMENT OF 2016 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-seven competitive *Institutional Support of Research and Creativity Grants* and *Teaching and Learning with Technology Grants* to the following NYIT faculty members in 2016, in support of research and creative endeavors:

N. Sertac Artan, Ph.D., Assistant Professor, Electrical and Computer Engineering, Principal Investigator

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

ISRC Grant: *HOMES: High-Throughput On-chip Massively-Parallel Signature Verification.*

Lissi Athanasiou-Krikelis, Ph.D., Assistant Professor, English, Principal Investigator

ISRC Grant: *Metafiction in Picture Books and Eugene Trivizas's Metafictionality.*

Nicholas Bloom, Ph.D., Associate Professor, Social Sciences, Principal Investigator

ISRC Grant: *The Golden Age of American Planning: New York and America in the Rockefeller Years.*

Dorinamaria Carka, Ph.D., Assistant Professor, Mechanical Engineering, Principal Investigator

ISRC Grant: *A Modeling Platform to Support the Design of Novel Energy Efficient Multiferroic Biomedical Devices.*

Ziqian Dong, Ph.D., Assistant Professor, Electrical and Computer Engineering, Principal Investigator

N. Sertac Artan, Ph.D., Assistant Professor, Electrical and Computer Engineering, Co-Principal Investigator

Ely Rabin, Ph.D., Assistant Professor, Biomedical Sciences, Co-Principal Investigator

William Werner, P.T., Ed.D., Associate Professor, Physical Therapy, Co-Principal Investigator

Huanying Gu, Ph.D., Associate Professor, Computer Science, Co-Principal Investigator

ISRC Grant: *Energy-Efficient Body Area Sensor Network for Nonintrusive Freezing-of-Gait Study of Individuals with Parkinson's Disease.*

Aydin Farajidavar, Ph.D., Assistant Professor, Electrical and Computer Engineering, Principal Investigator

ISRC Grant: *A Novel Sensor for Simultaneous Measurement of Gastric Contractions and Bioelectrical Activities.*

Christina Finn, M.S., OTR/L, Assistant Professor, Occupational Therapy, Principal Investigator

Hallie Zwibel, Ph.D., Assistant Professor and Director, College of Osteopathic Medicine, Co-Principal Investigator

ISRC Grant: *Tracking Symptoms and Physiological Changes during Daily Activity in Patients with Persistent Post Concussive Symptoms*

Naomi Frangos, B.Sc.Arch., B.Arch., M.Arch., Associate Professor, Architecture, Principal Investigator

ISRC Grant: *Fabricating Intuitive Innovation in Digital Design (FIND).*

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 and Computer Engineering, Co-Principal Investigator

ISRC Grant: *DISPERSE: DDoS Mitigation through Adaptive Replication of Services and Content.*

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

Navin Pokala, Ph.D., Assistant Professor, Life Sciences, Co-Principal Investigator

ISRC Grant: *Development of New Tools to Improve the Efficiency of Genome Engineering.*

Amanda Golden, Ph.D., Assistant Professor, English, Principal Investigator
ISRC Grant: *Sylvia Plath's Manuscripts: Global Implications*.

Mark Gugliotti, P.T., D.P.T., Assistant Professor, Physical Therapy, Principal Investigator
Richard Simpson, Ph.D., Associate Professor, Chair, Engineering and Computing Sciences, Co-Principal Investigator
TLT Grant: *Lumbar Spinal Palpation Simulator*.

Michael Hadjiargyrou, Ph.D., Professor and Chairperson, Life Sciences, Principal Investigator
ISRC Grant: *The Role of miRNAs during Fracture Repair*.

Sung-o Kim, Ph.D., Assistant Professor, Electrical and Computer Engineering, Principal Investigator
ISRC Grant: *A Real Time and Flexible Microplasma Chemical Monitoring*.

Kevin LaGrandeur, Ph.D., Professor, English, Principal Investigator
ISRC Grant: *Emerging Technology and the Future of Employment*.

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: *Micro-Engineered High-Sensitivity Surface Acoustic Wave Cell Sensor*.

Wenjia Li, Ph.D., Assistant Professor, Computer Science, Principal Investigator
N. Sertac Artan, Ph.D., Assistant Professor, Electrical and Computer Engineering, Co-Principal Investigator
Jonathan Voris, Ph.D., Assistant Professor, Computer Science, Co-Principal Investigator
ISRC Grant: *Secure Inter-Vehicular Communication with Time and Driver Identity Considerations*.

Gavin P. McStay, Ph.D., Assistant Professor, Life Sciences, Principal Investigator
ISRC Grant: *Characterization of Cancer Associated Mutations in Caspases*.

Birasnav Muthuraj, Ph.D., Assistant Professor, Management and Marketing Science, Principal Investigator
Rakesh Mittal, Ph.D., Assistant Professor, Human Resource Management and Labor Relations, Co-Principal Investigator
Joshua Bienstock, LL.M., Assistant Professor, Human Resource Management, Co-Principal Investigator
ISRC Grant: *Impact of Leadership Behaviors, Quality Management Practices, and Human Resource Management Practices on Operational Performance through Maintenance Strategies*.

Niharika Nath, Ph.D., Associate Professor, Department Chair, Life Sciences, Principal Investigator
Shalaka Metkar, Ph.D., Adjunct Assistant Professor, Life Sciences, Co-Principal Investigator
ISRC Grant: *Nitric Oxide and Hydrogen Sulfide Donating NSAIDs: Epigenetic Mechanisms in Cancer Prevention and against Neurodegenerative Disorders*.

Ana G. Petrović, Ph.D., Assistant Professor, Life Sciences, Principal Investigator
ISRC Grant: *IR-based Survey of Solvent & Buffer Media Towards Reliable Structural Elucidations of Chiral Biomolecules*.

Navin Pokala, Ph.D., Assistant Professor, Life Sciences, Principal Investigator
ISRC Grant: *Development of C.elegans Models of Autism Spectrum Disorders*.

Emily Restivo, Ph.D., Assistant Professor, Behavioral Sciences, Principal Investigator
ISRC Grant: *The Relationship between Mental Health and Solitary Confinement among Waived Juveniles*.



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: *Towards Secure and Energy Efficient Routing for the Internet of Things.*

James J. Scire, Jr., Ph.D., Assistant Professor, Mechanical Engineering, Principal Investigator
ISRC Grant: *Experimental and Numerical Study of Droplet-Acoustic Interactions.*

Jonathan Voris, Ph.D., Assistant Professor, Computer Science, Principal Investigator
ISRC Grant: *Network Aware Defenses for Intrusion Recognition and Response (N.A.D.I.R.).*

Shenglong Zhang, Ph.D., Assistant Professor, Life Sciences, Principal Investigator
Wenjia Li, Ph.D., Assistant Professor, Computer Science, Co-Principal Investigator
ISRC Grant: *Development of LC/MS-Based Direct RNA Sequencing with Concomitant Base-Calling and Modification Analysis Capability.*