

ANNOUNCEMENT OF 2024 AWARDS

**Institutional Support of Research and Creativity Grants
and
Teaching and Learning with Technology Grants**

The Office of Academic Affairs of New York Institute of Technology is pleased to announce the award of 24 competitive ***Institutional Support of Research and Creativity Grants*** and ***Teaching and Learning with Technology Grants*** to the following NYIT faculty members in 2024, in support of their research and creative endeavors:

Robert Alexander, Ph.D., Assistant Professor, Psychology and Counseling, Principal Investigator
ISRC Grant: *The Impact of Fandom on Image Viewing.*

Yennie Armand, M.S., Assistant Professor, Physician Assistant Studies, Principal Investigator
ISRC Grant: *“The Relationship Between Obesity and Health Literacy of Cardiovascular Disease in Migrants.”*

Eve Armstrong, Ph.D., Assistant Professor, Physics, Principal Investigator
ISRC Grant: *Inference for illuminating the role of neutrino flavor physics in core-collapse supernovae.*

Marta Caldeira, Ph.D., Assistant Professor, Architecture, Principal Investigator
ISRC Grant: *“Laboratories of Architecture and Solidarity: The Inter-American Housing Center (CINVA) in Bogotá and São Paulo's Research Center for Planning and Urban Studies (CEPEU), 1950s-60s.”*

Houwei Cao, Ph.D., Associate Professor, Computer Science, Principal Investigator
ISRC Grant: *“Transformer Based End-To-End Solution For Emotion Recognition Using Physiological Signals.”*

Batu Chalise, Ph.D., Associate Professor, Electrical & Computer Engineering, Principal Investigator
ISRC Grant: *“Modeling, Simulation, and Experimental Design of Quantum Radar.”*

Subhabrata Chaudhury, Ph.D., Assistant Professor, Biological & Chemical Sciences, Principal Investigator
ISRC Grant: *“Development of potent and selective pyruvate carboxylase (PC) inhibitors as potential cancer drugs.”*

Shaina Flanzraich, P.T., D.P.T., Assistant Professor, Physical Therapy, Principal Investigator
ISRC Grant: *Use of High-Fidelity Simulation in an Interprofessional Collaboration Experience with Doctor of Osteopathic Medicine, Physical Therapy and Occupational Therapy Students.*

Jonathan Goldman, Ph.D., Professor, English, Principal Investigator
ISRC Grant: *New York In the Age or Gatsby: Hidden Stories and Marginalized Figures of 1920s NYC: Book manuscript, plus website and articles.*

Michael Hadjiargyrou, Ph.D., Distinguished Professor, Director DO/Ph.D. Program College of Arts & Sciences

ISRC Grant: *The role of *Mustn1* in tendon/ligament biology*

Wenyao Hu, Ph.D., Assistant Professor, Law, Economics, Accounting and Finance (LEAF), Principal Investigator

TLT Grant: *Exploring the Impact of Telepresence Robots on Enhancing Long-Distance Learning Outcomes.*

Azhar Ilyas, Ph.D., Associate Professor, Computer Science, Principal Investigator

ISRC Grant: *Photo-crosslinkable Hyaluronic Acid Bioink with Anti-oxidant Support for Bone Tissue Engineering*

Tindaro Ioppolo, Ph.D., Associate Professor, Mechanical Engineering, Principal Investigator

ISRC Grant: *Exploratory development of a non-conventional shock tube to study the dynamics and thermodynamic of supersonic flow in liquid water*

Hyun-Tae Jung, Ph.D., Associate Professor, Architecture, Principal Investigator

ISRC Grant: *Book Project: Contemporary Korean Architecture, from 1987 to 2020*

Ehsan Kamel, Ph.D., CEM Associate Professor, Energy Management, Principal Investigator

ISRC Grant: *Nationwide Comprehensive Physics-Based Building Energy Modeling for Low-Income Housing*

Kyle Karen, Ph.D., Assistant Professor, Occupational Therapy, Principal Investigator

ISRC Grant: *Repair it or replace it? Dimensions influencing participation in repair as an occupation*

Vitaly Katsnelson, Ph.D., Assistant Professor, Math, Principal Investigator

ISRC Grant: *Advancing Imaging Techniques: Nonlinear Wave Interactions in Earth's Interior and Therapeutic Medicine.*

Jacqueline Keighron, Ph.D., Assistant Professor, Biological & Chemical Sciences, Principal Investigator

ISRC Grant: *Advancing Electrochemical Biosensor Design for Selective Glutamate Detection: Utilizing Glutamate Dehydrogenase for Enhanced Sensitivity*

Nayoung Kim, Ph.D., Assistant Professor, Masters School Counseling, Principal Investigator

ISRC Grant: *Factors that contribute to the emergence of mental disorders in young individuals and protective elements to prevent mental health issues in youth*

William Letsou, Ph.D., Assistant Professor, Biological & Chemical Sciences,, Principal Investigator

ISRC Grant: *A search for rare genetic variants conferring high risk for prostate cancer among African American men in the All of Us Research Program*

Giovanni Meloni, Ph.D., Professor, Biological & Chemical Sciences, Principal Investigator

ISRC Grant: *Photoelectron Photoion Coincidence Spectroscopic Studies of Reaction Intermediates*

John Misak, M.A., D.A., Associate Professor, Humanities, Principal Investigator
ISRC Grant: *Enhancing Humanities Education: Integrating AI and Prompt Engineering in Literature Studies.*

Sung Kevin Park, M.F.A., Assistant Professor, Digital Art & Design, Principal Investigator
ISRC Grant: *Empowering Veteran College Applicants: Innovative XR Training and Simulation Educational Games and Gamification*

Andreas Theodoridis, M.Sc., Ph.D., Assistant Professor, Architecture, Principal Investigator
ISRC Grant: *Passive Clay-Fiber Air Purifiers for All: Socially Just and Affordable Air Quality Continuum.*