2023 Grant Awards

Faculty across the College of Science are leaders in receiving peer-reviewed federal and state grants to support our students and research laboratories.

Initial Award	Title	PI
12/08/23	Revealing the X-ray Stings of the Little Beehive	Joel Kastner
11/14/23	Electromagnetic Signals from Merging Supermassive Black Holes	Manuela Campanelli
11/14/23	CRII: RI: TRUST - TRustworthy Uncertainty Propagation for Sequential Time-Series Analysis	Dimah Dera
11/07/23	RIT Support to An Open-Source Hyperspectral Imaging Ecosystem	David Messinger
11/06/23	Characterizing Single-photon Sensing CMOS Image Sensors for NASA Missions	Don Figer
11/02/23	Mitigation of stormwater-derived debris: a community-based approach	Christy Tyler
09/26/23	NSF Engines: Type-1: A Rochester Innovation Engine for Advancing the Science, Technology, and I e Engineering of Lasers and Laser Applications Research (STELLAR)	Susan Houde-Walter
09/25/23	Solar Cruiser RCD Radiometry	Charles Bachmann
09/22/23	The Science of Non-Resolved Space Object Signatures for Space Domain Awareness	Michael Gartley
09/19/23	Advancing Quantum Metrology and Sensing Education: Concepts, Curricula, and Research on Student Learning	Ben Zwickl
09/19/23	Collaborative: Education landscape for quantum information science & engineering: Guiding educational nnovation to support quantum career paths	Ben Zwickl
08/29/23	Energy Web Employing Planar Optics Phase II	Grover Swartzlander
08/23/23	NSF GRFP Fellowships 2021-2026	Michael Lam
08/22/23	Enabling Rational Design of Drug Targeting Protein-Protein Interactions with Physics-based Computational Modeling	Brini Emiliano
08/07/23	Collaborative Research: Its TIME! Mapping cosmic star formation history with CO and CII	Michael Zemcov
07/31/23	Fundamental Research on Detection and Classification Limits in Spectral Imagery	John Kerekes
07/24/23	Collaborative research: Biomechanical mechanisms conferring wound resilience in single-celled organisms	Moumita Das

07/20/23	Disability DCL: Transforming the Chemistry Experience for Deaf and Hard of Hearing Students via the Design, Implementation, and Evaluation of a Descriptive Sigh Language Lexicon	Christina Goudreau Collison
07/17/23	Fire Instrumentation Metrology and Development	Robert Kremens
06/21/23	Interspecies reservoirs of antibiotic resistance for Neisseria gonorrhoeae	Crista Wadsworth
06/21/23	Simulation and modeling to support improved Landsat Next science	Aaron Gerace
06/21/23	Development of science traceability matrices for LandIS	Rehman Eon
06/08/23	Viral vector-mediated gene activation to facilitate large-scale genetic analysis in Caenorhabditis elegans	Maureen Ferran
06/05/23	Deep Learning Enabled Sensor Protection	Grover Swartzlander
06/01/23	ERI: Impact of pore-scale heterogeneity on precipitation and transport in porous media	Shima Parsa
05/16/23	Determining End User Needs to Direct 1064 nm Laser Power Converter Research & Development	Seth Hubbard
05/09/23	WoU-MMA: Inference about gravitational wave sources and source populations in the era of perpetual discovery	Richard O'Shaughnessy
05/08/23	PIC Math: Preparation for Industrial Careers in the Mathematical Sciences	Darren Narayan
05/08/23	Uncovering the role of a new DNA sequence pattern in nucleosome-protein interactions	Feng Cui
05/03/23	A Framework to Promote Gender Diversity & Equity	Lea Michel
04/26/23	Search for Variable AGN in Green Pea Galaxies Using TESS	Jeyhan Kartaltepe
04/25/23	Research on PEER Institute in Research Methods for Professional Development for Emerging EducationResearchers Field Schools	Scott Franklin
04/11/23	Isolating and Disentangling Correlated Components in the Ultraviolet and Near-Infrared Background Light	Michael Zemcov
04/04/23	WDEEP: The Webb Deep Extragalactic Exploratory Public Surve	Jeyhan Kartaltepe
03/30/23	LRalph In-Flight Instrument Characterization Support	Matthew Montanaro
03/29/23	Solving Problems in Atomic Superfluid Rotation Using Cavity Optomechanics	Mishkat Bhattacharya
02/23/23	Ultrafast Laser Figuring and Finishing of Freeform Optics	Jie Qiao
02/16/23	NSF Convergence Accelerator Track I: Accelerating Understanding for Geological Extraction and Reclamation (AUGER), a predictive approach to sustainable mining and minerals security	Charles Bachmann
01/13/23	Collaborative Research: Beyond Gala: Expanding the dynamical map of the Milky Way with asteroseismic distances	Jeyhan Kartaltepe
01/12/23	NSF REU Site: Extremal Graph Theory and Dynamical Systems	Darren Narayan