

RIT College of Science Grant Awards (2021)

Grant Awards

Initial Award	Title	PI
12/13/21	Great Lakes Plastic Cleanup	Tyler, Christy
12/09/21	Closing the gap on watershed sources and sinks of debris in the Great Lakes	Hoffman, Matthew
11/15/21	MOCVD Growth of Multijunction Laser Power Converter	Hubbard, Seth
11/12/21	YR.5 AC LASS Research in Sensor and System Modeling	Sirianni, Joseph
10/15/21	Dynamics and control of active nematics using nonlinear reduced-order models	Norton, Michael
09/28/21	From Discovery to Market: Integrating Interdisciplinary Skills through a Collaborative Research-Based Laboratory Curriculum	Skuse, Gary
09/28/21	Fire Instrumentation Metrology and Development	Kremens, Robert
09/28/21	Our Lakes, Streams, and Rivers: Online and Online and Field-based Hybrid Teacher Training	Stoss, Kaeti
09/24/21	Applied Statistical Document Analysis for Knowledge Discovery from Police Reports	Fokoue, Ernest
09/19/21	Isolation, identification, and characterization of novel compounds endowed with antibiotic activity from rhizospheric bacteria	Hudson, Andre
09/19/21	Hadamard Transform Spectral Imaging with a Digital Micromirror Device-based Multi-object Spectrometer	Ninkov, Zoran
09/15/21	CANDELS-Herschel Environmental Spectroscopic Survey: Part IV and The Impact of Galaxy Interactions at the Peak of Galaxy Assembly	Kartalpepe, Jeyhan
09/06/21	Lets Talk Money: Building Community Understanding of the Institutional Compensation System	Marchetti, Carol
08/31/21	NANOGrav Physics Frontiers Center	Lam, Michael
08/31/21	Collaborative Research: DMREF: Living biotic-abiotic materials with temporally programmable actuation	Das, Moumita
08/30/21	CAREER: Brain-Inspired Methods for Continual Learning of Large-scale Vision and Language Tasks	Kanan, Christopher
08/27/21	Collaborative Research: deploying Curvilinear Coordinate and Multipatch Methods on Neutron Star Mergers	Campanelli, Manuela
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08/16/21	Redshift Wrangler: Citizen Science Analysis of Extragalactic Spectroscopy	Kartaltepe, Jeyhan
08/12/21	Plastics MWEЕ for In and Out School Settings	Stoss, Kaeti
08/12/21	Immune biomarker discovery in children susceptible to recurrent otitis media	Bajorski, Peter
08/05/21	An ALMA Archival Study of Bipolar Planetary Nebulae	Kastner, Joel
08/02/21	Combining Nuclear Magnetic Resonance and Neutron Scattering for Determining Macromolecular and Liquid Structure: Towards Development of the Novel NMR-PNS Technique	Kotlarchyk, Michael
07/20/21	Collaborative Research: Access Expansion: Growing a network of equity-focused programs in the physical sciences	Franklin, Scott
07/14/21	WoU-MMA: New Frontiers in the Search for Continuous Gravitational Waves from the Low-Mass X-Ray Binary Scorpius X-1	Whelan, John
06/23/21	CANDELS-Herschel Environmental Spectroscopic Survey: Part III	Kartaltepe, Jeyhan
06/18/21	Fundamental Research on Detection and Classification Limits in Spectral Imagery	Kerekes, John
06/16/21	Adaptable Interfaces for M&S Tools	Kerekes, John
06/14/21	ARA IARPA SMART	Ientilucci, Emmett
06/11/21	Using nano pocket membranes to capture bacterial outer membrane vesicles from biofluids	Michel, Lea
06/08/21	Transformation of the New York Table Beet Industry through Digital Agriculture	van Aardt, Jan
05/25/21	What is the Origin and Subsequent Evolution of Starbursts at $z \sim 2$? Part II	Kartaltepe, Jeyhan
05/14/21	DIRSIG Simulations for SNL	Gartley, Michael
05/05/21	Device Simulation and Modeling - Dual Junction InGaP/GaAs solar cells with wavelength selective photonic structures (WSPS)	Hubbard, Seth
04/22/21	CRII: Modeling and Understanding the Invisible World in Thermal Modality	Lu, Guoyu
04/12/21	NFkB-dependent antiviral pathways in VSV-resistant cancer cells	Ferran, Maureen
04/05/21	Highly Resilient Multi-junction Solar Cell Devices for Space Power	Hubbard, Seth
03/23/21	Improving efficiency and radiation hardness in multijunction solar cells using back surface reflectors	Hubbard, Seth
02/26/21	Mobile AI Platform for 3D Root Phenotyping and Trait Assessment	Lu, Guoyu
02/23/21	Gaia, Galex, and the Curious Case of the Quiet K (and M) Star Coronae	Kastner, Joel
02/18/21	L2M Program - TA2 - Multi-Stage, Multi-Task Memory Transfer (M3T)	Kanan, Christopher

02/17/21	The influence of canopy structure and foliar chemistry on remote sensing observations: radiative transfer modeling to understand interactions of light within the canopy and inform innovative uses	Aardt, Jan van
02/16/21	The EMERGE Institute, integrating research and training to characterize EMergent Ecosystem Response to ChanGE	McCalley, Carmody
02/09/21	CAREER: Interface-mediated Ionic Transport in Mismatched Complex Oxide Heterostructures: Role of Misfit Dislocations	Dholabhai, Pratik
02/03/21	MIT LL Sustainable Land Imaging CRISP	Gerace, Aaron
01/12/21	Our Lakes, Streams, and Rivers: Experiential Education and Stewardship in the Lake Ontario Watershed	Tyler, Christy
