

Office of Research Newsletter

Summer 2021

Congratulations!

New Grants and Awards Announced May 2021-August 2021

African American Studies

Smith, Danielle Taana, *Enhancing Internet access for rural and remote Central American healthcare practitioners, educators, and government professionals coordinating COVID-19 response*, Internet Society Foundation.

Art & Music Histories

Wayne Franits, *Godefridus Schalcken; A Late Seventeenth-Century Dutch Painter in Pursuit of Fame and Fortune*, The Leiden Collection Book Subvention Grant.

Romita Ray, *Decolonizing the Imperial Collections, Architecture, and Gardens of the Victoria Memorial Hall*, Kolkata, National Endowment for the Humanities Collaborative Research Grant.

Sascha Scott, Art of the American Southwest Research Fellowship, 2021-2022, Lunder Institute, Colby College.

Biology

Carla Frare (Post-Doc, Hewett Lab), *Understanding CNS Excitatory / Inhibitory Balance and the Sexually Dimorphic Role of System xc* NINDS, NIH.

Frants Jensen, *Counting Dolphins By Their Whistles: A Collaboration between AI2, WHOI and Syracuse University to Facilitate Dolphin Conservation Worldwide*, Vulcan, Inc.

Chemistry

Arindam Chakraborty, *Investigation of Exciton-exciton and Biexcitonic Interactions in Nanomaterials using Explicitly Correlated Quasiparticle Kernel Method*, NSF.

Timothy Korter, *Terahertz Spectroscopy Simulations of Ofloxacin and Levofloxacin Solids*, Hitachi High-Technologies Corporation.

Davoud Mozhdehi, *An integrated computational and experimental approach to reveal design principles for responsive nanomaterials from lipidated disordered proteins*, NSF.

Michael Sponsler and **Steluta Dinca**, *EAGER: SUPER: In-situ Synthesis of a New Functional Material: Superconducting Polyacetylene*, NSF.

Communication Sciences & Disorders

Jonathan Preston, *Online Assessment and Enhancement of Auditory Perception for Speech Sound Errors*, NIH.

Earth Sciences

Tripti Bhattacharya, *Sensitivity of Walker circulation to CO₂ forcing during the late Pliocene as an analogue for future climate change: Collaborative Research*, NSF.

Zunli Lu, *Testing the Reduction of Aerobic Habitat As A Common Kill Mechanism for Major Mass Extinction Events: Collaborative Research*, NSF.

Christopher Scholz and **Robert Moucha**, *Characterizing Quaternary Fault Behavior and Surface Processes of an Active Rift: The Lake Malawi (Nyasa) Rift, East Africa: Collaborative Research*, NSF.

Jay Thomas, *Revisiting the water-saturated granite solidus: Collaborative research*, NSF.

Samuel Tuttle, *Snowmelt Detection at Enhanced Spatiotemporal Resolution through Fusion of Satellite Active and Passive Microwave Observations*, NASA.

Tao Wen, *Developing a Cloud-based Open-Source Platform for an Automatic High-throughput Monitoring System to Safeguard Stream Water Quality*, Earth Science Information Partners.

Languages, Literature, and Linguistics

Corrine Occhino, (Co-PI), *Reproductive Health Experiences of Deaf Women: A Mixed-Methods Study*, Society for Family Planning, with **Tiffany Panko**, RIT (PI).

Mathematics

Yiming Zhao, *Convex Body Shape Recovery via Geometric Measures and Inequalities*, NSF

Physics

Jennifer Ross, *Spindle Flux and Mechanics*, NSF.

Jennifer Ross, *DMREF: Autonomous Bio-synthetic Hybrid Materials driven by Biomolecular Circuitry: Collaborative Research*, NSF.

Christian Santangelo, *Polymer Chemistry: Soft Mechanical Logic*, US Army Research Office.

Jennifer Schwarz, *Emergent Properties of Cancer Square Table*, NSF.

Sheldon Stone, **Marina Artuso**, **Steven Blusk**, **Matthew Rudolph**, and **Tomasz Skwarnicki**, *New Physics with Precision Measurements of B and C Quarks at LHCb*, NSF.

Alison Patteson, *Role of vimentin in mammalian cell motility*, NIH.

Psychology

Jillian Scheer, *Testing a Biopsychosocial Model of Violence Exposure, Minority Stressors, and Hazardous Drinking among Sexual Minority Women*, NIAAA/NIH.

Religion

Gareth Fisher, *Temples and Teahouses: The Relationship between Secularity and Buddhist Temple Construction in 2010s China*, Chiang Ching-Kuo Foundation.

Women's and Gender Studies

Eunjung Kim, *Society for the Humanities Fellowship*, Cornell University Society for the Humanities.

Is your grant, fellowship, or award missing? Let us know and we will include it next time.

Read More about CAS researchers in the [A&S News](#)

Congratulations to all 2021 CAS Internal Grant Recipients

- [‘Cuse Grants](#)
- [Small Equipment Grants](#)
- [Postdoctoral Scholars](#)

Visiting Scholars

The College of Arts and Sciences is pleased to welcome the following visiting scholars to campus for the 2021-2022 Academic Year:

[Antonia Navarro-Tejero](#), Associate Professor, Universidad de Córdoba, Departamento de Filología Inglesa y Alemana joins the Department of Women's and Gender Studies supported by the Salvador de Madariaga fellowship for senior professors. Her research interests include Transnational Feminist Theory and Praxis, Women's Movements, Technocultural Studies, Body Politics, South Asian Literature and Cultures, and Biomedical Discourse from a feminist perspective. She will be working with faculty mentors Chandra Talpade Mohanty and Himika Battacharya.

Roberto Antonio (“Toño”) Gomez, Postdoctoral Fellow, will be working with Scott Pitnik in the Center for Reproductive Evolution. He received his PhD in Integrative Biology at Oregon State University and is supported by an *NSF Broadening Participation Postdoctoral Fellowship*.

Ryan McAdoo is an *NSF Social, Behavioral and Economic Sciences Postdoctoral Fellow* in the Psychology Department. He received his PhD at Oklahoma State University and his research focuses on utilizing computational and mathematical models of cognitive processes to help understand and solve real-world problems, such as creating better models of eyewitness identification.

Upcoming Events

Save the Date: Humanities Fellowship Proposals—Soup to Nuts

Friday, October 22, 10:00 - 11:30 am, *virtual*

Join us as we share resources for finding fellowship opportunities, brainstorm how to determine the right home for your project, and discuss successful writing strategies. We will examine common proposal pitfalls and explain how to make your project compelling, including drafting the first-paragraph hook and writing to an audience of both generalists *and* specialists. By the end of the session, participants will leave with a toolkit of practical tips and strategies for writing successful fellowship proposals. Supported by the College of Arts and Sciences, The Office of Research, and the Syracuse University Humanities Center.

Grant Conferences/Webinars/Podcasts

- NSF Fall 2021 Virtual Grants Conference - [Register](#) (free)
- 2021 NIH Virtual Seminar on Grants Administration and Program Funding - [Register](#) (free)
- [All About Grants Podcast](#) - a great source of NIH information in 12-15min segments
- [AAAS Webinar](#): Lessons Learned from 10,000 Proposal Reviews: Top Reviewer Criticisms and How to Avoid Them

Services of the Research Development Office

CAS Research Development provides support for faculty pursuing grant funding. We assist in identifying funding sources; developing, preparing and submitting grant proposals to a wide variety of funders, both internal and external; and connecting faculty with campus resources such as Sponsored Research and Corporate and Foundation Relations. Please contact us at any stage of project development. In addition to reviewing proposals, we can brainstorm how to best present a project or idea to a particular funder, research funders and previously successful applications, and coordinate additional reviews.

What else would you like to see highlighted in this newsletter? Please let us know!

For more information or assistance, please contact the CAS Office of Research:

[Alan Middleton](#) (420-2539), Associate Dean of Research and Scholarship

[Melissa Whipps](#) (558-9318), Director of Research Development (Science and Mathematics)

[Sarah Workman](#) (443-5260), Assistant Director of Research Development (Humanities)