



THE PROPOSAL

A New Kind of S-I-R — Fulbright Scholar-In-Residence at SUNY Geneseo

SUNY Geneseo warmly welcomes Fulbright Scholar-in-Residence (S-I-R) Dr. William Kofi Anyan to the Department of Biology for the 2019-20 academic year. Dr. Anyan's wife and two of his four children, ages 3 and 5, are accompanying him for the duration of his residency. Professor of Biology Dr. Susan Bandoni Muench wrote the proposal that Fulbright awarded for the S-I-R. For the last decade, she has taken Geneseo students to Ghana for a month-long Biology and Global Health Program with embedded research. In 2014, the program began partnering with the Noguchi Memorial Institute for Medical Research at the College of Health Sciences in the University of Ghana, where William is a research fellow.

Five groups ranging in size from six to sixteen Geneseo students have worked with William and Susan in the laboratory and field. Their research addresses transmission and prevalence of schistosomiasis, a neglected tropical disease caused by a flatworm parasite transmitted by snails. These parasites can cause cognitive impairment. Children in the village of Tomefa, a peri-urban community on the outskirts of Accra, Ghana, have a high prevalence of schistosome infection—as high as 87% in some surveys. Also in Tomefa, exceptionally high levels of coinfection with two different species of human schistosome occurs. Current areas of Geneseo collaborative research include examining the impact of concurrent infections on the community, investigating hybridization between the two worm species, and studying the role of livestock as a reservoir of infection.

During William's stay in Geneseo, he will teach courses, deliver guest lectures in natural and social sciences, mentor research students, offer college-wide presentations, and perform campus outreach. The courses he will teach include both lectures and laboratories of two upper-division elective courses, Parasitology and Immunology. He also will develop

and teach a one- or two-credit seminar course on Public Health in Sub-Saharan Africa to be cross-listed in both Sociomedical Studies and Africana/Black

Scholar-in-Residence William Anyan (back row, second from left), SUNY Geneseo students, faculty at SUNY Geneseo partner Noguchi Memorial Institute for Medical Research, Susan Bandoni Muench (front middle) and Crystal Simmons (front, right).



L to R: Crystal Simmons, Susan Bandoni Muench, Abraham Kwabena Anang (Director of Noguchi Memorial Institute for Medical Research), Glenn Geiser-Getz, Cheryl Kreutter, Scholar-in-Residence William Anyan, and Samuel Cardamone

Studies, and in Biology. Topics include HIV, malaria, tuberculosis, neglected tropical diseases. The course will complement a new seminar course on health care disparities, also cross-listed in Black Studies and Sociomedical Studies.

William also plans to work with six undergraduate students on research projects throughout the year. He will offer two campus-wide presentations, one intended to be technical and primarily for students and faculty in the Natural Sciences, and one for a more general audience. He also will be involved in many outreach activities on the campus, in the Geneseo community, and in the surrounding area.

A major goal for the S-I-R will be collaborating on applications for extramural funding for the ongoing research projects. Grant support would provide additional funding to reduce the costs for student participation in the research program. Possible avenues for funding include private foundations, a National Science Foundation program addressing the ecology and evolution of infectious diseases for work on hybridization of schistosome species in Ghana, and the National Institutes of Health for work on the impact of concurrent infections and the role of reservoir hosts. Work on the hybridization question would happen in collaboration with Dr. Josephine Reinhardt of the Biology Department.

Dr. Anyan also will explore collaboration with Dr. Kevin Militello, who studies the molecular biology of African trypanosomes, the causative agents of human African trypanosomiasis or sleeping sickness. Though limitedly present in Ghana this disease is endemic in other African countries, so others at the Noguchi Institute also research trypanosomiasis.





Anne Pellerin, Physics and Astronomy — GROW STEM



When Associate Professor of Physics and Astronomy Anne Pellerin was an undergraduate, she was the only woman in her class of 15 students. She felt lucky and privileged and tried hard to fit in as one of the guys. Her self-concept of being lucky instead of being a good STEM student, she later learned, was constructed by a society that saw a woman majoring in STEM as an anomaly. Now GROW STEM (Geneseo Reaching Out to Women and under-represented groups in STEM), a networking program that Pellerin helped found and now serves as faculty advisor to, aims to help change confining social constructs that women and underrepresented groups in STEM have traditionally faced.

GROW STEM began after Pellerin and former Chemistry Department lecturer Amber Charlebois applied for and received a Consortium for High Achievement and Success (CHAS) grant in 2017. Their pilot program built a tiered mentoring program for women and underrepresented groups in STEM fields. As the CHAS grant ended, Provost Stacey Robertson encouraged Pellerin to apply for internal funding to keep the program going. She did and the program has since grown. Assistant Professor of Biology Josephine Reinhardt and Associate Professor of Mathematics Melissa Sutherland assist Pellerin with the program.

The goals of GROW STEM now encompass educating Geneseo students, faculty and staff on factors that impede success in STEM courses and careers and working to change these factors. The first step is to raise awareness of implicit bias, imposter syndrome, and other cultural conditioning. The GROW STEM website (<https://www.geneseo.edu/growstem>) offers educational material, including the Harvard IMPLICIT Association Test, which makes people aware of and reflect on their implicit biases.

The program also has funded conferences, guest speakers, and activities to foster work-life balance and mentoring. And now there is a GROW STEM student club that meets regularly.

GROW STEM is responsible for SUNY Geneseo receiving the 2019 Inspiring Programs in STEM Award from INSIGHT Into Diversity magazine. The award recognizes Geneseo for encouraging students from underrepresented groups to enter STEM fields. The college and 49 other recipients are recognized in the September 2019 issue of INSIGHT Into Diversity.

Paul Schacht, English — Two More Grants to Support Digital Learning

The SUNY Innovative Instruction Technology Grant (IITG) program promotes research and application of new technologies that support academic excellence, student success, and inclusive excellence. IITG funds projects that:

- 1) Enhance teaching and learning;
- 2) Develop instructional talent;
- 3) Support, monitor and embrace research on pedagogical practices;
- 4) Extend teaching and learning environments to provide new avenues for development and delivery of collaborative content, courses, and
- 5) Align with SUNY's four themes: Innovation & Entrepreneurship; Individualized Education; Sustainability; and Partnerships.

A one-page summary of a project must be pre-approved by the Provost's Office before faculty members can apply for grants, up to \$60K. Watch for an email announcement for IITG's Round 9 competition in spring 2020.

Professor of English Paul Schacht has been waiting since 2010 to add digital images of Henry David Thoreau's manuscript of *Walden* to Digital Thoreau (digitalthoreau.org), a SUNY Geneseo web initiative he directs in collaboration with the Thoreau Society and the Walden Woods Project. The long wait is over. Schacht's Tier 3 SUNY IITG (Innovative Instruction Transformation Grant) proposal, "A Laboratory-Based Introduction to Digital Scholarly Editing," has been funded.

The IITG grant will pay for the Huntington Library in San Marino, California to digitize the *Walden* manuscript and make it accessible under a Creative Commons license. The newly digitized manuscript images of *Walden* will make possible a revised and expanded fluid text edition of *Walden* that enables readers to inspect Thoreau's revisions directly. The objective of the project is to create modularized open online educational resources that use the digitized manuscript to introduce students and faculty to digital scholarly editing. The modules will teach practices and principles of digital editing, including XML encoding, which has become an indispensable technology of the publishing industry. In spring 2020, a portion of the IITG funding will be used to host a one-day symposium, "Digital Scholarly Editing in the Undergraduate Classroom." The symposium will provide an opportunity for participants to share and develop curricular materials such as high-impact encoding activities for the classroom.

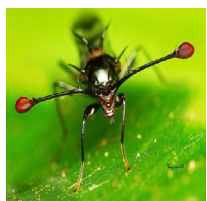
SUNY Geneseo also will host "Sustaining Digital Projects, Sustaining Careers," a conference funded by Schacht's second award, a SUNY CID (Conversations in the Disciplines) grant. Geneseo submitted the CID proposal, but Schacht is quick to point out that much of the proposal work was done by collaborators at SUNY Oswego and the University at Buffalo. The main focus of this conference will be on sustaining existing

digital humanities projects and the careers of those who direct the projects. The CID grant will support a one-day conference at Geneseo on October 26, 2019 to continue cultivating collaborations among faculty members in the region who work on digital humanities projects.



Geneseo Introductory Research Opportunities - GIRO

McNair Scholars (see The Proposal Spring 2018) who are rising juniors participate as a small group in a Geneseo Introductory Research Opportunities (GIRO) module. In each six-week summer module, students engage in interdisciplinary research focused on real research questions, with results that are of significance to the field of study. GIRO students work in the laboratory field or library as appropriate for four to six hours each day; attend lectures, and group meetings; and participate in leadership development workshops.



Effects of Meiotic Drive on Developing Eye-Stalks in Stalk-Eyed Flies

Christopher Lepore '21, Olivia Smith '21, Heather Wood 2021

Sponsor: Dr. Josie Reinhardt, Biology

WHAT IS YOUR PROJECT? *Teleopsis dalmanni*, commonly known as stalk-eyed flies, are known for their sexually dimorphic eye-stalks, which are longer in males. The different sizes are thought to be the result of sexual selection. Within the Gombak-12 population, some individuals contain meiotic drive, which is known to influence eye-stalk length and sex ratios. Our goal was to identify genes in developing eye tissue that play a role in causing meiotic drive. To identify these candidate genes, we determined the sex and meiotic drive status of individuals by dissecting 3rd instar larvae for their carcasses. After finding that Qiagen Puregene and Qiagen DNEasy columns DNA extraction techniques worked best—determined by using gel electrophoresis—we prepared our samples, ran PCR, then sent them to a lab for fragment analysis. From genomic analysis, we identified 31 male and 66 female stalk-eyed larvae and approximately one third of males and females within the population had meiotic drive. Based on this information, we plan on using the larvae' eye-antennal imaginal discs from our dissections to measure the differential gene expression using RNA in meiotic and non-meiotic drive individuals.

WHAT DID YOU HOPE TO GAIN FROM WORKING ON THIS PROJECT? We hoped to gain experience and knowledge about the research process.

IS THERE ANYTHING THAT HAS SURPRISED YOU? We found that the research process is straightforward, and there is a lot of trial and error involved before you get things right.

HOW HAS WORKING ON THIS PROJECT IMPACTED YOUR LONG TERM PLANS? It has increased our interest in conducting research and opened the door to getting a PhD.

WHAT HAVE YOU ENJOYED THE MOST? While we enjoyed doing the research, we really enjoyed the opportunity to work with each other and with great faculty mentors day in and day out for six weeks.

WHAT ADVICE DO YOU HAVE FOR OTHER STUDENTS WHO MAY BE INTERESTED IN WORKING ON A RESEARCH PROJECT? Be patient and persevere. You don't always get the results right away so stick with it until you do. Don't be frustrated if you don't get the results you want. You can always learn something from them.

Genetic Analysis of Small-Eyed Mutant Zebrafish



Maya Craig '21, Stephanie Alvarez Merlos '21, Quendel Williams '21
Sponsor: Dr. Travis Bailey, Biology

WHAT IS YOUR PROJECT? The goal for our group of GIRO researchers was to discover a sample zebrafish tissue (embryos or fin clips) that had two copies of a *Tp53* mutant and *Chaf1b* mutant. *Tp53* and *Chaf1b* are two genes that have been studied in relation to cancerous and irregular eye-development in zebrafish. We needed to confirm the involvement (or noninvolvement) of these genes in the development of eye tissue, so Dr. Bailey could proceed with his research in studying genetic mutations that cause irregular eye-development in zebrafish. We used gel electrophoresis to determine how many copies of each gene the sample had. We also used a package in R (a computer program commonly used for statistics, that can also be used to analyze the genome of different organisms) to further confirm the genotype of the samples. We hope that understanding eye-development in zebrafish can help us to understand and treat eye diseases or disorders in human eye development.

IS THERE ANYTHING THAT HAS SURPRISED YOU? How much I learned! With that being said, I was also very surprised at how much I did not know! There's so many different angles and dimensions to the experimental process, so experiencing that for the first time did seem overwhelming, but it has definitely changed the way I think about science and how must researchers consider many different factors when creating, conducting, and analyzing an experiment.

HOW HAS WORKING ON THIS PROJECT IMPACTED YOUR LONG TERM PLANS? Because the project gave me insight on what it is like working in a lab, I am definitely considering pursuing more of a lab or research-based career. Prior to this research opportunity, I was already considering being a part of a research lab in my career, but now I have been seriously looking into doctorate programs to apply to after my time at Geneseo.

WHAT ADVICE DO YOU HAVE FOR OTHER STUDENTS WHO MAY BE INTERESTED IN WORKING ON A RESEARCH PROJECT? Stay open minded and think outside the box. Working on a research project can get repetitive sometimes, and researchers often find themselves frustrated with their project. It's important to think about what you can change so the outcome is more favorable, so your experiment is not in a constant state of repetition. It may also be a good idea to remind yourself of your goals, so you don't lose sight of where you're going.



NEH Summer Seminars and Institutes for Higher Education Faculty



This program supports one- to four-week professional development programs for higher education faculty in two formats: seminars and institutes. These programs allow a broad and diverse group of faculty to “broaden and deepen their engagement in the humanities” and “explore recent developments in scholarship, teaching, and/or curriculum through student of a variety of resources.”

As detailed in the guidelines, NEH Summer Seminars and Institutes:

- focus on the study and teaching of significant texts and other resources;
- provide models of excellent scholarship and teaching;
- contribute to the intellectual growth of the participants; and
- build lasting communities of intellectual and professional collaboration.

A program may take place at a college, university, learned society, center for advanced study, library or other repository, cultural or professional organization, or school or school system. The host site must provide facilities for collegial interaction and scholarship. The program must be held only in the United States and its territories.

A Seminar provides a focused environment in which sixteen participants study a humanities topic under the guidance of one or two established scholars. Seminars have few, if any, visiting faculty.

Seminars emphasize close interaction among the participants and director(s) through discussion of common readings and conversations about scholarship and teaching. Substantial time is made available for reflection, work on independent or collaborative projects, and related advising.

An Institute allows twenty-five to thirty-six participants to study a humanities topic with a team of experienced scholars. Because this larger format emphasizes the range of perspectives that can be brought to a topic, an institute typically has more and longer meetings per week than a seminar. Project leaders and participants mutually explore connections between scholarship and teaching, and some time is provided for work on individual or collaborative projects.

Maximum awards depend on the length and type of program:

	1 week	2 weeks	3 weeks	4 weeks
Seminars	\$70,000	\$90,000	\$105,000	\$125,000
Institutes	\$110,000	\$160,000	\$185,000	\$200,000

In the past five years, this program has had a 37% success rate (25 awards out of 68 applications, on average). The project period is 15 months with a start date of October 1, 2020. The proposal deadline is February 13, 2020. An optional proposal draft may be submitted by January 2, 2020. Successful applicants will be notified by August 31, 2020. Updated guidelines will be posted this fall and will be available on the program website: <https://www.neh.gov/grants/education/summer-seminars-and-institutes-higher-education-faculty>

Upcoming Campus Deadlines

Faculty Programs

- Jan. 27 Spring Faculty Travel Grants, Spring Incentive Grants & Research Development Awards, and Hurrell/McNaron Award for Scholarly Presentation
- Jan. 27 Presidential, Geneseo Foundation, and Roemer Summer Faculty Fellowships
- Feb. 24 Proposal Writing Support Awards
http://www.geneseo.edu/sponsored_research

Student Programs

- Oct. 21 Dean Johnston Student Assistantships
- Nov. 4 Student TRAC Grants
- Dec. 9 Sorrell Chesin '58 Research Award (selected departments)
- Feb. 3 Student TRAC Grants
- Feb. 24 Undergraduate Summer Fellowships – Full and Part-time
https://www.geneseo.edu/undergraduate_research



Summer researchers in the Physics Department took a break to join the fun at the President’s Summer Research Picnic on July 11.

Remember...

GREAT Day 2020 - **Wednesday, April 22**
submission deadline: March 13



2018-19 Student Campus Awards

These awards are funded through the Geneseo Foundation from restricted gifts, unrestricted gifts and endowments.

Geneseo Foundation Full-Time Undergraduate Summer Fellowships (\$3,000)

Molly Brady, *Motor Degeneration in Aging Mice: A Preliminary Study*. Faculty Sponsor: Terrance Bazzett, Neuroscience

Lindsey Dressler, *Analysis of P53-Controlled Genes in the Good Effort Zebrafish Mutant*. Faculty Sponsor: Yvonne Seale, History

Courtney King, *The Ultrapotent Corticosteroid, Clobetasol, Promotes Quiescence in the Vulvar Carcinoma Cell Line, UMSCV-4*, also recipient of the Dr. Wendell and Barbara Rhodes Research Award (\$600). Faculty Sponsor: Jani Lewis, Biology

Evan McCabe, *In Situ Expression Analysis of Stalk-Eyed Fly Testes*. Faculty Sponsor: Josie Reinhardt, Biology

Isabel Owen, *My Heart is Not an Exit*. Faculty Sponsor: Lytton J. Smith, English

Johana Rocha, *Language Barriers between Children of Migrant workers and Adults in their Lives*. Faculty Sponsor: Jennifer Guzman, Anthropology

Geneseo Foundation Student Research Assistantships (\$1,000)

Tiffany Alulema, *Healthcare Utilization Among Latino Farmworkers and Their Families*. Faculty Sponsor: Jennifer Guzman, Anthropology

James Canning, *Knot Mosaic Algorithms*. Faculty Sponsor: Aaron Heap, Mathematics

Brendan Hines, *Recollection Decay*. Faculty Sponsor: Jason Ozubko, Psychology

Geneseo Foundation Part-Time Undergraduate Summer Fellowships (\$1,000)

Gregory Vinal, *Mosaic Knots*. Faculty Sponsor: Aaron Heap, Mathematics

Dean Johnston Student Research Assistantships (\$1,000)

Lydia Babcock and Karla Lora, *Immigrant Latino Farmworker Families and Access to Health Care*. Faculty Sponsor: Melanie Medeiros, Anthropology

Luke Holtzman, *Core/Shell Studies of Fully Inorganic Lead Halide Perovskite Nanocubes and Zinc Sulfide*. Faculty Sponsor: Rabeka Alam, Chemistry

Michael Masetta, *The Impact of a Reggio Emilia Inspired Summer Program on the Transition of Students with Childhood Trauma Back to the Academic Setting*. Faculty Sponsor: Annmarie Urso, Education

Sorrell Chesin '58 Undergraduate Research Award (up to \$500, Natural Science Departments Students)

Josephine Chiarello, *Determination of Faunal Diversity and the Role of Key Biota from a Reef in the Late Ordovician*. Faculty Sponsor: Jacalyn Wittmer Malinowski, Geological Sciences

Lindsey Dressler, *Analysis of the Retinal Degeneration Pathway in the Chaf1b Zebrafish Mutant*. Faculty Sponsor: Travis Bailey, Biology

Kathryn Emmens, *Effects of fsd-1 Overexpression on Neurospora Crassa Mating*. Faculty Sponsor: Elizabeth Hutchison, Biology

Luke Holtzman, *Anion Exchange and Extinction Coefficient Determination of Cesium Lead Halide*. Faculty Sponsor: Rabeka Alam, Chemistry

Trisha Maini, *The Effects of Epigenetic Modifiers on PD-L1 and HLA Class I Expression on Tumor Cells*. Faculty Sponsor: Robert O'Donnell, Biology

Faculty Travel Grants

130 Grants totaling

\$100,914 awarded in

21 departments

Faculty Incentive Grants

20 Grants totaling

\$24,330 awarded in

13 departments

Undergraduate Travel, Research And Creative Grants (TRAC)

244 grants totaling

\$121,946 awarded in

19 departments

Total Internal Support

\$360,113



2018-19 Campus Faculty Awards

These awards are funded through the Geneseo Foundation from restricted gifts, unrestricted gifts and endowments.

Roemer Summer Faculty Fellowship (\$5,000 each)

Jennifer Apple, Associate Professor, Biology, *Habitat Use, Species Interactions, and Genetic Variation of a Non-native Ant-mimicking Spider*

Kristina Hannam, Associate Professor, Biology, *Can Highway Roadside Ponds Serve As Habitat For Native Species?*

Geneseo Foundation Summer Faculty Fellowship (\$4,000)

Steve Derné, Professor, Sociology, *Beyond Disenchantment: Studying Wonder in India*

Presidential Summer Fellowships (\$3,500 each)

Ahmad Almomani, Assistant Professor, *Mathematics, A New Local Parallelization for Unsupervised Particle Swarm Optimization*

Jovana Babović, Assistant Professor, History, *Animals in Yugoslav History*

Allison Bechard, Assistant Professor, Psychology, *The Effects of Post-trauma Environment on Alcohol Intake and Relapse*

Susana Castillo-Rodríguez, Assistant Professor, *Languages and Literatures, The Sociolinguistic Scenario of Equatorial Guinea: Language Practices and Contestation to Linguistic Colonization?*

Research Development Awards, (\$3,500)

Heidi Savage, *Philosophy, Naming and Referring*

Proposal Writing Support Awards

Mark Broomfield, Theatre and Dance, *Beat for the Back Row: The Gay Black Male Body in Modern Dance*, \$4,080

Sara Burch, Biology, *Modeling Forelimb Function and Evolution in Nonavian Theropod Dinosaurs*, \$4,062

Scott Giorgis, Geological Sciences, *Field, Geophysical, and Petrological Constraints on the Growth Rates of Upper Crustal Intrusions, Henry Mountains, Utah*, \$4,097

Suann Yang, Biology, and Karleen West, Political Science and International Relations, *Development of Open Sustainability Curriculum Resources*, collaborative award, \$6,146

Hurrell/McNaron Award (\$1,000)

Elizabeth Hutchison, Assistant Professor, *Biology, Transcript Structure, Expression, and Localization of the Neurospora Crassa Sexual Development Regulator fsd-1*

2018-19 Faculty/Staff Grant and Fellowship Awards 26 Awards totaling \$1,500,474

- Padalino, S., Freeman, C., Pogozelski, E., Fletcher, K., McLean, J., & Yuly, M. (Houghton College), Physics & Astronomy, Nuclear and Plasma Diagnostics for the EP-OMEGA Laser Systems and the NIF, Laboratory for Laser Energetics, University of Rochester/U.S. Dept of Energy, \$496,068
- Warner, N., Geological Sciences, Geologic Investigations of the InSight Landing Site, NASA, \$293,523
- Parfitt, D., Center for Integrative Learning, Integration of Approved Applied Learning Across Campus and the Genesee Valley, SUNY Applied Learning Performance Improvement Fund, \$150,000
- Bosch, I., Biology, Conesus Lake Monitoring 2018, Livingston County Planning Department, \$15,992
- Muench, S., Biology, Fulbright Scholar-in-Residence, William Anyan, Ghana, Fulbright, IES, \$44,157
- Freeman, G. & Regner, K., Center for Community, RKids, Walmart, \$1,250; Wegmans, \$50
- Smith, L., Center for Integrative Learning, SUNY Geneseo Bringing Theory to Practice Multi-Institutional Innovation Project Grant: Making Rochester a City of Asylum, Bringing Theory to Practice, \$6,997
- Yokoyama, K., Chemistry, Jean Dreyfus Lectureship for Undergraduate Students, Camille & Henry Dreyfus Foundation, Inc., \$18,500
- Norman, S., Education, Rochester Young Scholars Academy at Geneseo (RYSAG), Rochester City School District, \$66,000; Greater Rochester Summer Learning Association, \$1,600; United Way of Greater Rochester, \$6,700
- Sikka, A. & Morse, J., Education, RCSD Dr. Charles C. Lunsford School #19 Restart School Improvement Grant, Rochester City School District, \$89,989
- Urso, A., Education, Soaring Stars Program at SUNY Geneseo 2019, Livingston County United Way, \$5,000; Rochester Area Community Foundation, \$15,000; Greater Rochester Summer Learning Association, \$15,000
- Yurkewecz, T. & Pepis, T., Education, Testing the Efficacy of Using Virtual Reality Simulations to Prepare Pre-Service Teachers for Diverse School Communities, Teach NY Implementation Fund, \$49,095
- Lima, M. & Smith, L., English, Humn 222: Black Humanities, Modern Language Association, \$3,000
- Schact, P., English, A Laboratory-based Introduction to Digital Scholarly Editing, SUNY Innovative Instruction Technology Grant, \$35,200
- Schact, P., English, Sustaining Digital Projects, Sustaining Careers, SUNY Conversations in the Disciplines, \$1,622
- Warner, N. & Rogers, D. (SUNY Stony Brook), Geological Sciences, Origins, Preservation & Exposure Histories of Rock Units in the Noachian Plains (Mars Data Analysis program), SUNY Stony Brook/NASA, \$74,700
- Lindsay, R., Milne Library, 2018-19 Library Collection Aid, State Education Department, \$9,620
- Kimball, J. & Canning, K. (Genesee Valley Council on the Arts), Music, New York State Square Dance Tradition: Digitizing the Recordings of James W. Kimball Collection, Council on Library and Information Resources, \$45,091
- McLean, J. & Marcus, G., Physics & Astronomy, Supplement: REU Site in Physics and Astronomy: Supporting Undergraduate Research at Geneseo (SURGE), National Science Foundation, \$34,766
- Steinhauer, A., Marcus, G., & Pellerin, A., Physics & Astronomy, Geneseo Space Grant 2019-20, New York Space Grant Consortium, Cornell University/NASA, \$10,000
- Katz, J. & Read, J. (U. Buffalo), Psychology, Harnessing the Power of Friends to Reduce Sexual Assault Risk University at Buffalo/ NIAAA, \$11,554

