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Research Update - October 2022

Office of Research

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UNIVERSITY OF THE PACIFIC

Office of Research and Sponsored Programs

Monthly Newsletter

Faculty Spotlight

Professor Elisa Toloba has been awarded an NSF grant to go deeper in our understanding of galaxy formation and evolution. Specifically, this project has three main goals: 1) measure the dark matter content of galaxies in the Virgo cluster (the closest cluster where thousands of galaxies live together), 2) test the formation scenarios for nuclei in these galaxies (nuclei are the extremely bright centers that some galaxies host), 3) measure what are the effects of the environment on the evolution of these galaxies, as living together affects their properties.

The money awarded will be partially used to train students in cutting-edge astrophysics research techniques related to this project, fund the research trips for Prof. Toloba and students to the Keck observatory located on the summit of Mauna Kea (Hawaii), and disseminate the results in professional scientific meetings.

Congratulations, Elisa!



NIH Data Management and Sharing Policy

As NIH plans to roll out updates to the Data Management and Sharing Policy on January 25th, 2023, please join us for a presentation to discuss these updates. Please come on October 24th, from 12pm-1pm, to the Yosemite Classroom (#173), on the 1st floor of the library. A light lunch will be served.

RSVP to Emily Novick at enovick@pacific.edu.

Funding Opportunities

The National Institutes of Health has issued two new funding opportunities for diagnostic test manufacturers to develop the next generation of COVID-19 tests, with a major focus on accessibility. The funding opportunities are part of the Rapid Acceleration of Diagnostics

(RADx) Tech program, managed by the National Institute of [Biomedical Imaging](#) and [Bioengineering](#) (NIBIB). The new programs may award up to \$300 million in funds from the American Rescue Plan Act of 2021 to support the accelerated development of tests and provide regulatory guidance during the COVID-19 pandemic and beyond.

[Read more](#) |

NSF Invests to Improve Undergraduate STEM Education at Hispanic-Serving Institutions

The National Science Foundation (NSF) continues to provide research grants that are reserved for Hispanic Serving Institutions (HSI). The goals of NSF's HSI program are to enhance the quality of undergraduate science, technology, engineering and mathematics education and to increase the recruitment, retention and graduation rates of students pursuing an associate or bachelor's degree in STEM. Achieving these goals, given the diverse nature and context of the HSIs, requires additional strategies that support building capacity through innovative approaches. Intended outcomes of the HSI program include broadening participation of students who are historically underrepresented in STEM and expanding students' pathways to continued STEM education and integration into the STEM workforce.

Pacific is close to having HSI eligibility status and is working actively towards this goal.

[Read more](#) |

Contact Us!

If you would like our office staff to come give a presentation on our services, please email Emily Novick at enovick@pacific.edu. Or come visit us on the 3rd floor of the library.