



5-2022

## Research Update - May 2022

Office of Research

Follow this and additional works at: <https://scholarlycommons.pacific.edu/research-update>

---

### Recommended Citation

Office of Research, "Research Update - May 2022" (2022). *Research Update*. 4.  
<https://scholarlycommons.pacific.edu/research-update/4>

This Book is brought to you for free and open access by the Office of Research and Sponsored Programs (ORSP) at Scholarly Commons. It has been accepted for inclusion in Research Update by an authorized administrator of Scholarly Commons. For more information, please contact [mgibney@pacific.edu](mailto:mgibney@pacific.edu).

# Research Update

News and resources from the Office of Research



## FACULTY SPOTLIGHT

Josh Steimel and Joseph Harrison have developed a novel technique to measure biological interactions using a mechanically transduced immunosorbent assay (METRIS). This technique is a completely innovative and robust approach for measuring biological interaction strength. It can measure single particles and uses minimal amounts of sample, which can be extremely useful for studying interactions between binding partners that are difficult to produce. Moreover, the METRIS technique can be leveraged as a high throughput screener for particles such as viruses and is currently being used to detect the presence of SARS-CoV-2 coronavirus.

Collaborations between Josh and Joseph have already led to publications in *EMBO Journal*, *Nature Communications*, and *eLife*.

Congratulations on this exciting work, and its impact on the field and the greater community!

## SAVE THE DATE: NIH GRANT WRITING WORKSHOP, MAY 17-18

The San Jose State University Office of Research is hosting a free two-day grant writing workshop. Presentations will cover a variety of topics specific to advancing your NIH application process. In addition to a focus on writing the Specific Aims and Project Description, other topics will cover the Biosketch, Data Sharing Plan, and requirements for Rigor and Reproducibility and the Resubmission Process.

The workshop begins at 10:00 am daily, and lunch will be provided.

See registration link for more details: [Grant Writing Workshop](#)

## WANT A PRESENTATION FROM THE OFFICE OF RESEARCH?

If you or your department would like to hear staff from the Office of Research present on our services, how to go about finding funding opportunities, what the internal call for proposals entails, and more about our processes, please contact us and we can set up a time either in-person or via Zoom/Teams.

### Funding Opportunity Announcement

Here are two opportunities for funding through NSF:

#### Racial Equity in STEM Education

<https://beta.nsf.gov/funding/opportunities/racial-equity-stem-edu-ehr-racial-equity>

#### Computing in Undergraduate Education

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=>

For additional information, contact Emily Novick at [enovick@pac](mailto:enovick@pac)



## CURRENT NEWS

“Four Lessons from the Pandemic to NIH Reboot”

The COVID-19 pandemic represented an important test for the US National Institutes of Health (NIH), the largest funder of biomedical research in the world. Many say that it passed admirably: the agency substantially contributed to the [high-speed development of medicines and vaccines](#) to fight SARS-CoV-2 by funding basic research and collaborating with pharmaceutical firms to coordinate clinical trials at a breakneck pace.



Researchers' hopes for the future of the NIH:

- Tackle funding inequities based on a researcher's institution, career stage, race, or research area
- Build bridges with social and behavioral science to grapple with issues such as vaccine hesitancy
- Look outside the agency for insights
- Embrace innovation and reduce bureaucracy

Read more at: [From Pandemic to Reboot](#)

## CONTACT US!

For more information about the Office of Research and Sponsored programs, as well as our services, please visit: [Research and Sponsored Programs](#). Or email us at [osp@pacific.edu](mailto:osp@pacific.edu)

