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Research Update - March 2022

Office of Research

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Research Update

News and resources from the Office of Research

Faculty Spotlight

Laura Rademacher received a 2-year NSF grant that supports research that will explore the impacts of climate change on mountain groundwater systems and the ecosystems they support. The study will take place in an experimental forest and research site called Sagehen, which is in the Sierra Nevada near Truckee, CA. The project brings together geoscientists and ecologists and will support multiple undergraduate students. This research will impact the Pacific community in multiple ways. Laura regularly brings students to the study site, where they participate in interdisciplinary research at the nexus of climate change and water resources and learn how these sites are responding to climate change.

In addition, the project will support several undergraduate students to work on the science and outreach aspects of climate change and water resources. She plans to engage a student from the teacher education program at Pacific to help develop K-12 curricular materials as part of a “green box” program that provides science teaching kits to teachers in Nevada (and now California through this project). In the future, she will seek funding for new ideas that she has been developing with colleagues over the past couple of years. She looks forward to working with the Office of Sponsored Programs to develop successful proposals to take this research in new directions.

Congratulations, Laura!

Save the Date: Research Day, April 30th, 2022

Research Day is an annual event on the Stockton Campus of University of the Pacific, showcasing the research and creative endeavors of Pacific's faculty and graduate students via poster presentations. This year, we will hold Research Day in-person, on the main floor in the library. Lunch will also be provided.

The deadline to submit an abstract is April 20th. Please scan the QR code below or see the website for more details. <https://scholarlycommons.pacific.edu/researchday/>



Notice of Special Interest: NIH

Notice of Special Interest: Electronic Nicotine Delivery Systems (ENDS) and Alternative Nicotine and Tobacco Delivery Systems: Population, Clinical, and Applied Prevention Mechanisms of Health Effects.

This Notice encourages studies that seek to address gaps in our understanding related to population-based, clinical, and applied prevention research related to ENDS and heated tobacco products. The goal of these studies will be to better understand the impact of use of these products on the prevention of disease or the risk of disease. Research on alternative nicotine and tobacco delivery systems [e.g., heated tobacco products (also called heat-not-burn)] will also be considered. Research with a focus on other non-combustible nicotine and tobacco products will be considered on a case-by-case basis. Studies should examine population-based, clinical, and applied prevention of disease, including etiology and epidemiology of use, potential risks, benefits, and impacts on other tobacco use behavior among different populations.

For more information, please visit <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-22-023.html>

For assistance seeking additional funding opportunities, please contact Director of Strategic Research Development, Emily Novick at enovick@pacific.edu.

Events at the Global Health Alliance

The Bay Area Global Health Alliance connects, informs, empowers, and mobilizes more than 45 members to help them achieve their organizations' goals, foster partnerships, and strengthen the Bay Area and beyond as a health hub for innovation and impact. Pacific is now a member of this alliance, and we encourage

faculty to participate in any of the upcoming events the alliance is hosting.

1. Beyond Imposter Syndrome: A Systemic Approach to Promoting Gender Equity in Global Health Leadership. Tuesday, March 29, 2022. 9:00 AM-10:00 AM. Imposter syndrome puts the blame on individuals, without accounting for the historical and cultural contexts that are foundational to how it manifests in both women of color and white women. In honor of International Women's Day & Women's History Month, join Alliance member **Global Health Corps** and Jamia Wilson, Executive Editor of Random House, to explore how an imposter syndrome reframe is key to advancing gender equity in global health leadership. [Learn more and register.](#)

2. Consortium of Universities for Global Health (CUGH) Global Health Conference. Friday, April 1, 2022, 8:00 AM- Sunday, April 3, 2022, 5:00 PM. Conference is slated to be held in-person in Los Angeles, or online. [Learn more and register.](#)

3. UC Global Health Day. Saturday, May 7, 2022. 9:00 AM- 5:00 PM. This event will be hybrid, both in-person and virtual. For additional information about the alliance and other events, please visit: <https://bayareaglobalhealth.org/>

Nature article highlights how open science could compound the inequities it aims to resolve

Open science is a vague mix of ideals. Overall, advocates aim to increase transparency, accountability, equity, and collaboration in knowledge production by

increasing access to research results, articles, methods, and tools. This means that data and protocols should be freely shared in high-quality repositories and research articles should be available without subscriptions or reading fees. However, making this happen is expensive. Wealthy institutions and regions can afford this better than can poor ones. Failing to address structural inequalities directly means that open science could increase the advantages of those who are already privileged, especially given that they have the most influence over how open science is implemented. Read more about this potential pitfall of open science on [Nature.com](https://www.nature.com).

For Wiley journals for which Pacific has open access fee waivers, please visit [the list](#).