



University of New Hampshire  
Office of the Senior Vice Provost for Research,  
Economic Engagement and Outreach



## RESEARCH, ECONOMIC ENGAGEMENT AND OUTREACH UPDATE

May 18, 2022

### ANNOUNCEMENTS

#### 2022 SPARK

SPARK, UNH's annual review of research and scholarship, is out. This issue highlights many pride points of the past year — record external funding for our research, honors and accolades for our faculty and graduate students, efforts toward making UNH research more inclusive — as well as several ways UNH research improves the lives of people here in the Granite State. Read the digital version or request a printed copy.

#### Makerspace

The Makerspace at the UNH Entrepreneurship Center (ECenter) is a 476-square-foot workshop outfitted with fabrication tools and equipment for UNH students, faculty, and staff to create nearly anything they can imagine. Whether it be for research, a business idea or just for fun, the Makerspace is a free resource for the UNH community. The Makerspace provides all materials, training and equipment, which includes 3D printers, laser cutter/engraver, vinyl cutter, CNC mill and more. Summer hours are limited, but the Makerspace will be back with a regular schedule for the fall 2022 semester. Questions? Contact Heather MacNeill.

### **UNH Chemical Safety Award**

The UNH Chemical Safety Committee and the Environmental Health & Safety Office annually award the UNH Chemical Safety Award to a graduate and undergraduate student in recognition of outstanding contributions to chemical safety. This year's award recipients are chemistry graduate student Md AL Faruk and chemistry undergraduate Andrew Jenkins. They will each receive a \$1000 award from corporate sponsor Measured Air Performance. Congratulations!

### **SOST Seeks Contributors for Opportunities and Actions Roundtable**

The White House Office of Science and Technology Policy National Science and Technology Council (NSTC) and the Ocean Policy Committee (OPC) Subcommittee on Ocean Science and Technology (SOST) is hosting an Opportunities and Actions Roundtable to allow the ocean community to share their innovative and novel ideas to advance federal ocean science and technology priorities. Three cross-cutting priorities are outlined in the recently released Opportunities and Actions report : climate change, resilient ocean S&T infrastructure and a diverse and inclusive blue workforce, all of which include connections to racial justice and equity.

Timeline:

- June 10, 2022: Submit to be considered for a lightning talk at the roundtable event [here](#).
- July 5, 2022: Authors notified about their submission; selected authors asked to prepare a three-minute presentation. All submissions will be distributed to SOST members and interested members may reach out with inquiries.
- July 19, 2022, 1 p.m.: Opportunities and Actions Roundtable. Everyone is invited to attend this virtual event. [Register here.](#)

### **Annual Chemical Inventory Verification Program**

With the assistance of a team of talented students, the Environmental Health & Safety Office will begin verification of the campus hazardous materials inventory in June and will continue through July 2022. Please assist this program by reviewing the chemical inventory in your space, mark containers empty and organize shared spaces — labeling container owners or storage areas ahead of the team will help with greater accuracy and efficiency of the inventory program. Now is also a great time to update your user profile information, signage and inventory online in [UNHCEMS](#). UNHCEMS is a national award-winning, best-in-class system supporting research and safety needs. Contact [Karrie Myer](#) with questions.

### **Research Integrity Services Summer Drop-In Zoom Office Hours**

Research Integrity Services will continue to offer drop-in Zoom “office hours” in June, July and August: Tuesdays 9 – 10 a.m., Wednesdays 12 – 1 p.m. and Thursdays 3 – 4 p.m. Stop by with your questions about using [Cayuse Human Ethics](#) for IRB applications, using [Cayuse Outside Interests](#) for external activity disclosures or general research compliance matters. Click the hyperlinks for more information, including the current Zoom link.

### **Institutional Biosafety Committee**

The Institutional Biosafety Committee meets every other month with meeting dates for 2022 published on the [Institutional Biosafety Committee](#) webpage. Please submit protocols by the due date listed for consideration at the next meeting.

### IRB Summer Schedule

The UNH Institutional Review Board (IRB) for the Protection of Human Subjects in Research's summer 2022 meeting schedule is available [here](#).

### Summer Virtual I-Corps Program Accepting Applications

UNH, through UNHInnovation, received National Science Foundation funding to create the [UNH I-Corps™](#) program, which works to bring new innovations developed at the university to the marketplace faster. UNHI offers an accelerated virtual version of our highly successful, previously in-person UNH I-Corps training. Faculty, staff, graduate students and undergrads are welcome to apply. Application deadline: Wednesday, May 25, 2022. For questions or additional information, contact [unh.icorps@unh.edu](mailto:unh.icorps@unh.edu).

### Workshop Resources

Slides and resources from past research development programs are available [here](#). Information from previous UNH Collaborative Research Excellence (CoRE)-funded projects, as well as resources to support collaborative and interdisciplinary research, are [here](#).

## FUNDING OPPORTUNITIES AND RESOURCES

### COVID-19 Funding and Research Resources

See [COVID-19 Funding Opportunities, Research Priorities, and Resources](#) and the [Quick Guide - Resources Supporting COVID-19 Research](#).

### Limited Submission Programs to Act on Now

Because some sponsors limit the number of applications from an institution, please contact [Mark Milutinovich](#) as soon as possible if you are interested in applying to any of the following. Be sure to watch for our email at the start of each month for a more comprehensive list or check [current LSP Deadlines](#).

Deadline	Sponsor	Program
May 25	National Institutes of Health (NIH)	<a href="#">Research Experience in Genomic Research for Data Scientists (R25)</a>
May 26	NIH	<a href="#">Undergraduate Research Training Initiative for Student Enhancement (U-RISE) (T34)</a>

May 27	NIH	<a href="#">Collaborative Program Grant for Multidisciplinary Teams (RM1) (Clinical Trial Optional)</a>
June 15	U.S. Department of Agriculture	<a href="#">Equipment Grant Program (EGP)</a> Internal Competition is underway <b>Deadline: May 23 5 p.m.</b> <a href="#">Details</a>  USDA EGP Webinar, May 16 at 1 p.m. <a href="#">Register</a>
July 1	NIH	<a href="#">Genome Research Experiences to Attract Talented Undergraduates into the Genomics Field to Enhance Diversity</a>
July 7	National Endowment for the Arts	<a href="#">Grants for Arts Projects</a>
July 13	National Science Foundation (NSF)	<a href="#">Partnerships for Innovation -Research Partnerships (PFI-RP) Track</a>
July 15	NSF	<a href="#">CyberCorps<sup>(R)</sup> Scholarship for Service (SFS)</a>
July 18	NSF	<a href="#">IUSE / Professional Formation of Engineers: Revolutionizing Engineering Departments (IUSE/PFE: RED)</a>
Aug 1	NSF	<a href="#">Resilient &amp; Intelligent NextG Systems (RINGS) - Virtual Organization (RINGS-VO)</a>
Sept 6	NIH	<a href="#">NIH Director's Early Independence Awards (DP5)</a>

Sept 12	NSF	<a href="#">National Science Foundation Research Traineeship (NRT) Program</a> Internal Competition is underway Deadline: Jun 10, 5 p.m. <a href="#">Details</a>
Sept 21	National Endowment for the Humanities	<a href="#">Summer Stipends</a> Internal Competition is underway Deadline: Aug 29 11:59 p.m. <a href="#">Details</a>

### Research Development Newsletters

Research Development & Grant Writing News [May 2022](#)

Defense Policy Newsletter [May 2, 2022](#)

### UPCOMING EVENTS

#### Nikon Super Resolution Workshop

Webinar May 20, 2022, 10 a.m.

Hands-on demonstrations June 1 – 3, 2022

University Instrumentation Center, Parsons Hall

The local Nikon team and the [UNH Instrumentation Center](#) will host a webinar presentation (May 20) and drop-in demonstrations (June 1 – 3) of the [Nikon Ti2E](#) Inverted Research Microscope paired with [Abberior's STEDYCON](#) (<40nm XY resolution achievable) and with [Yokagawa's CSU-W1 SoRa](#) (spinning disk confocal and super resolution technology in a single device, 120 nm XY resolution). Sign up for a timeslot, to prepare samples to image and to enter our friendly workshop contest. The hosts strongly recommend that those who plan on attending and bringing samples to the on-site demonstrations be at the Teams meeting on May 20 (especially if preparing STEDYCON samples). Anyone bringing samples to the demonstrations should complete [this form](#) before a demo time can be scheduled. Contact [Mark Townley](#) or [click here](#) for additional information.

#### Making Climate-Smart Agriculture Work

May 24 – 26, 2022

Virtual

The NIFA-funded Agricultural Model Intercomparison and Improvement Project will host a [national conference](#) May 24 – 26 on Making Climate-Smart Agriculture Work. The focus of the virtual conference is to share information and best practices regarding the integration of science, modeling and economics to help farmers, ranchers and foresters mitigate and adapt to the challenges of climate change.

#### ORCID and the OSTP Guidance on National Security Presidential Memorandum-33

May 26, 2022, 2 – 4:30 p.m.

Virtual

In January, OSTP issued NSPM-33 implementation guidance for federal agencies. The guidance refers to the use of

DPIs, or Digital Persistent Identifiers. The National Council of Research Administrators will host be an educational session on DPIs — what they are, how they work and how they can be an important part of a researcher’s workflow. In particular, this session will cover information about ORCID as currently the only DPI that meets the requirements listed in the OSTP guidance. Register [here](#).

### **NSF Virtual Grants Conference**

June 6, 2022, 2 p.m. – June 10, 2022, 4 p.m.

Virtual

View agenda and register [here](#) for whichever sessions you want to attend. All conference sessions will be available on-demand shortly after the event.

### **GRAD 891 – National Science Foundation Graduate Research Fellowship Preparation**

August 29 – October 14, 2022 (Half Term)

This [course](#) is designed to enable students to receive information, guidance and support in applying for the National Science Foundation (NSF) Graduate Research Fellowship program (GRFP). Students will become familiar with the NSF, its mission and the selection criteria for this fellowship. Through independent work and collaborative exercises, students will strengthen writing skills and develop a strong application. For more information contact [Jeanne Sokolowski](#) or [Michael Thompson](#).

### **GRAD 930 — Ethics in Research and Scholarship**

August 29 – 12/12/2022 (Full Term)

Online

This is an interdisciplinary graduate seminar where students explore a wide range of issues related to the ethical conduct of research and scholarship. This course helps prepare students to conduct themselves as researchers in accordance with today’s standards for scientific integrity and professional ethics. Classes are predominantly discussion-based, relying on case analysis; guest speakers address topics from a variety of perspectives. Completion of this course meets the graduate school’s incoming PhD student RCR training requirement as well as the NSF’s and the USDA National Institute of Food and Agriculture’s RCR training requirement. More information [here](#), or contact the instructors, [Julie Simpson](#) or [Maria Emanuel](#).

## **GOOD NEWS**

UNHInnovation celebrated its [Innovators of the Year](#) for 2020 and 2021 last week: Kelley Thomas, professor and director of the Hubbard Center for Genome Studies, and UNH Police Chief Paul Dean were honored for their contributions to UNH’s COVID response as the 2020 awardees; and UNH Extension’s Malin Clyde and Haley Androzzio of Nature Groupie, the centralized website for conservation volunteer opportunities, received the honor for 2021. Congratulations to the [faculty](#) and [staff](#) recipients of 2022 UNH Sustainability Awards. The Olson Center received a nearly [\\$300,000 grant](#) from the National Institute of Standards and Technology to explore a new paradigm in manufacturing for the equitable commercialization, industrialization and democratization of manufacturing in space. Jeremiah Johnson, assistant professor of data science at UNH Manchester, [received a \\$170,000 NASA grant](#) to classify a large dataset of white light all-sky auroral images. Read more UNH research news [here](#), and please send research news — high-impact results, new grants, awards, compelling [photos and images](#) and more — to [Beth Potier](#).

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