Office of Research & Innovation Newsletter · Fall 2021

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A Note from the Executive Vice Provost for Research & Innovation

Dear Colleagues,

With students back on campus, it's wonderful to feel the renewed energy and sense of communal purpose. Students from across the university, both undergraduate and graduate, play central roles in our research and scholarly activities. During the pandemic, Drexel students demonstrated extraordinary resilience and creativity, as they maintained their research relationships, some on campus, some remotely. Let's take a moment to thank our students for this dedication to the university's research enterprise!

Sincerely,

Aleister Saunders, Ph.D.

Executive Vice Provost for Research & Innovation

News and Announcements

Responsible Conduct of Research Roundtable Series

Please join the Office of Research & Innovation for our new Responsible Conduct of Research Roundtable Series.

As the Office of Research & Innovation is committed to upholding scholarly and scientific integrity within our research enterprise, we believe that this series will provide members of our community with the tools and educational resources needed to be successful and informed researchers.

Our inaugural roundtable will be a discussion centered around research misconduct and will include such topics as how our federal research sponsors definition
of research misconduct, impacts on researchers and the scientific record, and the changing landscape of research misconduct proceedings.

Date: October 13, 2021

Time: 2:00pm EST

Location: ZOOM

Register Here[1]

Our Confirmed Panelists:

Aleister J. Saunders, Ph.D., Executive Vice Provost, Research & Innovation

Lauran Qualkenbush, Director, Research Integrity, Northwestern University

Michele Kutzler, Ph.D., Associate Dean for Faculty, Drexel College of Medicine

Our Moderator:

Heather Skinner, J.D., Director, Research Compliance, Research Integrity Officer

New edition of EXEL is now available

The 2021 edition of Drexel's research magazine, EXEL, is now available! EXEL always provides insight into a wide variety of our scholarly activities and this year includes our research activities related to the COVID-19 pandemic. Check out the latest issue here[2]!

AAALAC Returns to Drexel this Fall

On October 6-7, 2021, visitors from the Association for the Assessment and Accreditation of Laboratory Animal Care, International (AAALAC)[3] will be conducting a site visit of the Drexel Animal Care and Use program. AAALAC International is a private, nonprofit organization that promotes the humane treatment of animals in science through voluntary accreditation. In 2015, AAALAC celebrated its 50th year of accrediting animal research programs. More than 1,000 companies, universities, hospitals, government agencies and other research institutions in 49 countries have earned AAALAC accreditation, demonstrating their commitment to responsible animal care and use. The animal care and use program at Drexel has been accredited by AAALAC since 1982.

The AAALAC site visit will include tours of the animal housing facilities, laboratories where animal research is conducted, meetings with administrative officials, researchers, veterinary staff and the IACUC, and document review.

The Drexel animal care and use program is overseen by the Institutional Animal Care and Use Committee[4] (IACUC). The IACUC reviews every proposed project including the use of vertebrate animals to assure that the use of animals is justified by furthering science and benefitting society; that research

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[1]https://drexel.zoom.us/webinar/register/WN_ZDGhge1FTDyZo18JfQogOw
[2]https://exelmagazine.org/
[3]http://aaalac.org/
[4]http://drexel.edu/research/animal-research/IACUC/

animals are spared unnecessary pain and distress; and that all research involving animals is conducted in full compliance with federal and state laws and regulations.

University Laboratory Animal Resources (ULAR)[5] ensures the daily care, health and well-being, with the emphasis on the minimization of discomfort, distress and pain, of animals used for research and education at Drexel University. The ULAR staff provides support, training and educational opportunities to meet the needs of researchers working with animals in their research, and serves the public by ensuring observance of all legal and ethical standards pertaining to the use of animals for research and education at Drexel University.

Drexel looks forward to hosting our AAALAC site visitors who will verify the strengths of the program and provide suggestions of items which can improve our program of animal care and use. Over the next two months, we will be organizing presentations for researchers, their staff and students regarding preparation for the visit.

Case Study in NIH Review Integrity – The Seminar Trip

The scenario described was reported to NIH leadership by an NIH reviewer and clearly occurred before travel and other restrictions due to the COVID pandemic were in place. Nonetheless, it presents a cautionary tale about a breach of review integrity in the guise of a normal professional interaction. View the full article here[6].

Reproducibility- the increasing requirement and the associated burden

Research articles in the life sciences are more ambitious than ever. The amount of data in high-impact journals has doubled over 20 years, and basic-science papers are increasingly expected to include evidence of how results will translate to clinical applications. An article in a journal such as Nature thus ends up representing many years of work by several people. Still, that's no guarantee of replicability. Many calls have been made to improve this scenario. In our work on the initiative, we have come to appreciate the amount of effort involved in following these proposals for a single experiment, let alone for an entire paper. more[7]....

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[5] http://www.drexelmed.edu/Home/Research/UniversityLaboratoryAnimalResourcesULAR.aspx
[6] https://nexus.od.nih.gov/all/2021/09/14/case-study-in-review-integrity-the-seminar-trip/
[7] https://www.nature.com/articles/d41586-021-02486-7

Credit: David Parkins

Non-Discrimination Legal Requirements for NIH Award Recipients

Effective immediately, NIH is updating and implementing HHS language on the Non-Discrimination Legal Requirements for Recipients of Federal Financial Assistance, to comply with 2 CFR Part 200.300 and to ensure that NIH is promoting equity in its grant awards. Click here [8] for more details.

Tensions spike over new research-Security proposals targeting China

Despite recent setbacks, Congress and the White House are doubling down on strict rules they say would stop China from stealing scientific research. Now science lobbyists—and increasingly, House Democrats—are pushing back. Read the full article here[9].

The China Initiative aims to stop economic espionage. Is targeting academics over grant fraud 'overkill'?

To federal investigators, Wang, now 56, was an example of China's growing effort to co-opt scientists in the United States — part of a vast campaign to steal American secrets and technology. Over the past several years, the Justice Department has broadened its focus from company insiders, hackers and suspected Chinese agents to scrutinize researchers at universities and hospitals under a marquee law enforcement program called the China Initiative. more[10]…

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[8] https://grants.nih.gov/grants/guide/notice-files/NOT-OD-21-181.html
[9] https://nsfpolicyoutreach.com/
[10] https://www.washingtonpost.com/national-security/china-initiative-questions-dismissals/2021/09/15/530ef936-f482-11eb-9738-8395ec2a44e7_story.html

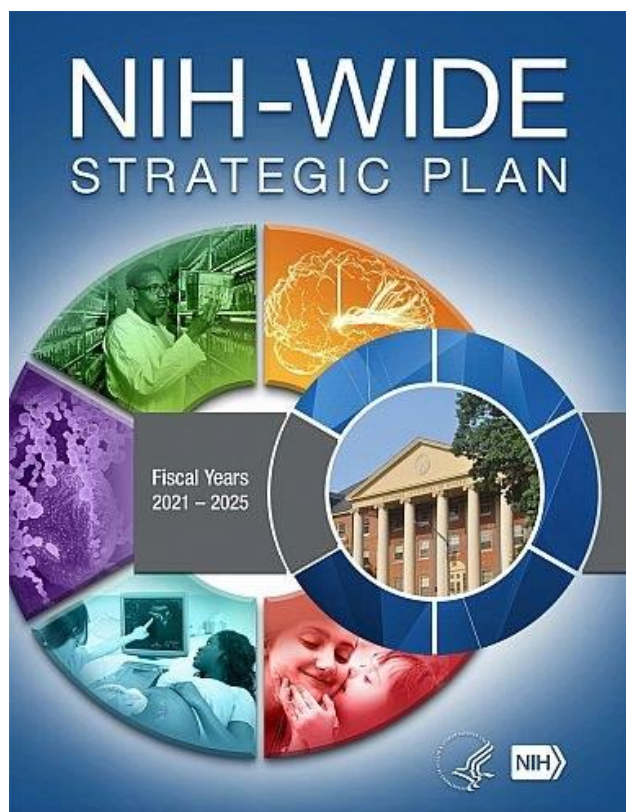## Update on Federal R&D funding proposals

The House and Senate both passed bipartisan science bills in June that would authorize billions for the National Science Foundation, the Energy Department and other agencies to conduct basic and applied research in fields ranging from climate science to artificial intelligence. But key differences exist between the Senate's proposal and the two bills that make up the bulk of the House's countermeasure. Disagreements between senior House and Senate lawmakers over how the new directorate should operate permeated the debate over both authorization bills this summer. While the "NSF" directorate in the Senate proposal focused exclusively on countering China's ambitions in advanced fields, the House version was aimed at addressing societal challenges such as climate change. Click here [11] for the full article.

New NIH-wide Strategic Plan

In order to advance NIH's mission and fulfill requirements of the 21st Century Cures Act, NIH will update its Strategic Plan[12] every 5 years. The most recent iteration, the NIH-Wide Strategic Plan for Fiscal Years 2021–2025, is an update on the previous plan for fiscal years 2016–2020. (Click link above for full article.)

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[11] https://www.rollcall.com/2021/09/14/republicans-warn-reconciliation-may-stall-bipartisan-rd-proposals/
[12] https://www.nih.gov/about-nih/nih-wide-strategic-plan

BioRAFT New Features

The Department of Environmental Health and Radiation Safety (EHRS) has launched two new features and one new module in BioRAFT.

   -ObserveNow

   -Door Sign Creator

   -ChemTracker Module

ObserveNow

Users can submit a safety concern, a near miss or a positive observation to EHRS. The new feature allows the users to attach a photograph, provide a description, and a specific location. The observation will only go to EHRS. The user can submit an anonymous observation if desired. This feature can be accessed on user's home page. This feature is currently available.

Door Sign Creator

Users can create and print a hazard communication door sign. The new feature creates regulatory compliant door signs with emergency contact information, personal protection requirements, and hazard warnings. This feature can be accessed under the spaces tab in the laboratory profile. This feature will be available on October 1, 2021.

ChemTracker Module

ChemTracker is an electronic chemical inventory management module that can be accessed at any time through BioRAFT. This module can be accessed on the laboratory profile page using the tab labeled ChemTracker. EHRS has preloaded the 2021 (some 2020 and 2019) chemical inventories for every laboratory to the new module. The new module will go live on October 15, 2021. The new module has the following key features:

- The system utilizes a chemical database that was created in Stanford University that provides essential hazard details for all the chemicals in the database (i.e. physical properties, structure, hazards, storage location, etc.).

- Users can add chemicals, remove chemicals, search for chemicals using filters, manage quantities and storage locations.

- Users can access the system to remove chemicals that have been disposed. Keeping the inventory accurate.

- User can add direct links to safety data sheets in the inventory.

- The management system can assist with excessive ordering since inventory is keep current.

- An easy workflow to reconcile the annual inventory. It is possible to use barcodes and RFID tags in this module.

- Regulatory reporting for EHRS.

Please feel free to contact Martin Bell at mwb32@drexel.edu if you have any questions concerning these new features.

Authorized Personnel Only

Drexel UNIVERSITY
Environmental Health and Safety
215-895-5919

Stratton Hall – 145
Hazardous Waste Storage Vaults and on-Campus Equipment Storage

Emergency Contact Information

Martin Bell	Day – 215.895.5909, Emergency – 215-778-4278
Brian Weiss	Day – 215-895-5896, Emergency – 267-324-1411

Emergency Information
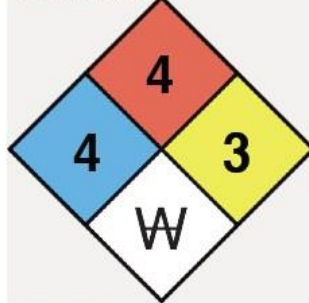
Regulatory Information

Carcinogenic

Area Hazards

Flammable Materials   Oxidizing Materials   Corrosive Materials

Harmful Materials   Health Hazards   Environmental Hazards

PPE/Precautions

Lab Coat   Safety Glasses   Closed Toe Shoes

Gloves   No Smoking   No Food/Drink

Date created: 09/20/2021

Submit A Safety Observation

Everyone's eyes are needed to keep our community safe. This reporting tool is here for you to share with EH&S anything you notice about potential hazards in the environment, especially as related to laboratory research.

For accidents, injuries, or incidents please report through proper institutional channels. This form is only for reporting where injury did not occur.

Information submitted on this form goes to Drexel EH&S, to help increase safety for our community.

Type of observation: *

-- Please select an option --

─ Upload photos: ─
If a photo of your observation is available, please upload here. (max file size is 20M, supported formats are .jpeg, .png, and .gif)

Choose Files   no files selected   No file chosen

Describe:

Observation description

─ Location of Observation ─

Building:

-- Please select an option --

-- Please select an option --

Location specifics:

Location specifics

Type of hazard:

-- Please select an option --

Any information filled out on this form is sent directly to EH&S. It is not directly available to your supervisor. However, if you feel comfortable only submitting this without your name associated, check the "Anonymous submission" box below.

☐ Anonymous submission

Funding Opportunity Resources

Funding search tools:

Pivot-RP[13]

Funding Institutional[14]

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[13] https://pivot-proquest-com.ezproxy2.library.drexel.edu/funding_main

[14] https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.fundinginstitutional.com%2F&data=04|01|cng45%40drexel.edu|62890f12584f43d7561f08d96ca3ee21|3664e6fa47bd45a696708c4f080f8ca6|0|0|6

Limited Submissions and Intramural Funding Portal [15]

For access and the best user experience, sign in with your Drexel credentials and use Drexel VPN when not on campus.

Questions? Email researchdevelopment@drexel.edu [16]

FY22 CURE FORMULA GRANT PROGRAM

The CURE program invites Drexel University interdisciplinary projects involving clinical, health services, and/or biomedical research. The overarching goal of the CURE program is to:

  • emphasize collaboration across academic units (i.e., schools and colleges) within Drexel University• leverage new research

  funds

  • increase research capacity

  • increase research training opportunities for undergraduate, masters and PhD students

  • increase the number of new investigators, new grants, new discoveries

  • promote community involvement

The RFP and application forms may be found on the Drexel University Funding Portal [17]. A full-time Drexel University employed faculty member must be the principal investigator (P.I.) on each application. Completed CURE applications are due in the Drexel University Funding Portal by Wednesday, October 27, 2021. Contact Dr. Noreen Robertson nmr26@drexel.edu, with any questions related to grant requirements or the application process.

NIH PAR-21-238: Limited Competition: Development and Renovation of Research Space for HIV/AIDS Research at Institutions Serving Underrepresented Populations or Located in Institutional Development Award (IDeA)
Summary:

This Funding Opportunity Announcement (FOA) invites applications from qualified research institutions to seek funds to develop or renovate research facilities that support HIV/AIDS research in areas of basic, translational, clinical, and social and behavioral science research. Targeted are institutions that serve underrepresented and underserved populations or that are in Institutional Development Award (IDeA) - eligible states. Research-intensive institutions are not eligible. The facilities must support research

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[15] https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdrexel.infoready4.com%2F&data=04|01 |cng45%40drexel.edu|62890f12584f43d7561f08d96ca3ee21|3664e6fa47bd45a696708c4f080f8ca6|0|0|6376602 73588071628|Unknown|TWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0 %3D|1000&sdata=aOPZwQI1dD6WjFZMwm2YtF8OHotPQMc7I8QhHbtWyb4%3D&reserved=0

[16] mailto:researchdevelopment@drexel.edu

[17] https://drexel.edu/research/funding/internal/

aligned with the NIH-established priorities for HIV/AIDS research. Any request must be justified by current and anticipated future research needs.

Click here for more details: https://drexel.infoready4.com/#competitionDetail/1849564

Deadline: 10/6/2021

Age-Friendly Drexel Pilot Grant

Summary:

The College of Nursing and Health Professions' AgeWell Collaboratory is announcing a new pilot grant mechanism as part of Age-Friendly Drexel, a new university commitment to lifelong learning, age inclusivity and health equity. The pilot grant mechanism will provide seed funding of up to $10,000 for brief (maximum 12-month), novel projects that advance one or more of the 10 Principles of an Age-Friendly University.

Click here for more details: https://drexel.infoready4.com/#competitionDetail/1847960

Deadline: 11/3/2021

Events and Education

Fall 2021 NSF Virtual Grants Conference

The National Science Foundation (NSF) will be hosting the Fall 2021 NSF Virtual Grants Conference from **October 4 to 8, 2021**. Registration is now open! For more information, visit our Events[18] page.

This virtual conference will be broadcast live on Zoom during the week of October 4-8, 2021. Register using the link provided here[19].

SRAI Post-Award Intensive

This interactive training program will enable participants to expand their basic understanding of sponsored programs' post award requirements to better "play by the rules." It will provide an overview of key regulations such as 2 CFR 200, and examples of best practices to meet the requirements. By providing a hands-on approach to understanding sponsors' solicitations, proposal guidelines and award conditions you will be aware of the impact on budget planning, development, review, and monitoring. Discussion and exercises include topics such as methodologies for assessing costs and concerns associated with personnel effort, consultants, equipment, supplies, travel, subcontracts, total direct cost, program income, indirect costs, and cost sharing.

When: November 2, 5, 10, 161 2021

Registration open through October25.

Register Today![20]

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[18]https://nsfpolicyoutreach.com/fall-21-virtual-conf/

[19]https://nsfpolicyoutreach.com/fall-21-registration/

[20]https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fsrainternational.us8.list-manage.com%2Ftrack%2Fclick%3Fu%3Db4d088df8342e8ff542443e19%26id%3D5f6c898b98%26e%3D6aa0a724dd&data=04|01|cng45%40drexel.edu|3135abafd8c04495c27f08d98379366d|3664e6fa47bd45a696708c4f080f8ca6|0|0|637685378912769970|Unknown|TWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haW

Online Resources and Links

Drexel Core Facilities

- *Office of Research & Innovation* [21]

- *Find Your Pre-Award Program Administrator* [22]

- *Resources and Forms* [23]

- *Response to the COVID-19 Pandemic and Research Ramp-Up Guidance* [24]

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eserved=0

[21] https://drexel.edu/research
[22] https://drexel.edu/research/about/find-program-administrator/
[23] https://drexel.edu/research/resources/documents-and-forms/
[24] https://drexel.edu/research/resources/response-to-covid-19-pandemic/

Contact Us

We Want To Hear From YOU! Let us know what you like (or don't like) about our newsletter and which research administration topics you'd like to learn more about. All feedback is welcome. Contact Us[26].

To locate a resource contact in the Office of Research & Innovation visit this page[27].

Office of Research & Innovation | 1505 Race Street | Philadelphia, PA 19102 | drexel.edu/research[28]

This message was sent to all Faculty and Staff, as well as Drexel Graduate students, via Drexel Announcement Mail and has been approved by Aleister J. Saunders, PhD, Executive Vice Provost for Research and Innovation.

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[25] https://drexel.edu/research/about/contact/
[26] mailto:crystal.n.gatling@drexel.edu
[27] https://drexel.edu/research/about/contact/
[28] https://drexel.edu/research