



Office of Research & Innovation
Newsletter • November 2020



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A Note from the Executive Vice Provost for Research & Innovation



Dear Drexel Research Community,

Our research, scholarly and creative activities benefit from investments to provide funds that create time for scholarship, equipment to carry out scholarship and systems to help manage scholarly activities. I would like to briefly describe three areas of investment the University is making to help spur growth and better support our commitment to scholarly excellence.

Faculty Research, Scholarship and Creative Activities Award Competitions

In the coming weeks we will be announcing this academic year's competitions¹. Once again, the competitions include:

- Faculty Summer Research Award
- Provost Award for Outstanding Scholarly Productivity
- Faculty Scholarly and Creative Activity Awards
- Faculty Bridge Funding Awards

¹<https://drexel.edu/facultyaffairs/development/faculty-awards/>

- Scholarly Materials and Research Equipment Awards

An announcement is forthcoming from the Provost's office and the competitions will be posted on the Drexel Funding Portal² as soon as they are finalized.

COEUS Replacement Project (CRP)

After considerable input from the research community in September we kicked off the project to replace our current research administration software system, COEUS, with the InfoEd Global³ product. This project will streamline and modernize research operations across the university and demonstrates the University's commitment to investing in research. Our collective work will allow Drexel to continue improving its pursuit and management of research, scholarly and creative activities while meeting the needs of principal investigators, administrators, university leadership, and research support functions.

The implementation will replace outdated research systems for Institutional Animal Care and Use Committee, University Laboratory Animal Resource, Sponsored Projects (Grants & Contracts), and Human Research Protection Program/ Institutional Review Board operations and is expected to take 18 months. We are committed to regular informational updates to the research community about this project through this newsletter and our newly launched COEUS Replacement Project website⁴. If you have questions or comments feel free to email the CRP team at crp_info@drexel.edu⁵.

University Research Computing Facility Upgrade

The University Research Computing Facility (URCF) was founded in 2014 to enable, support, and advance computational research within the Drexel community. Over the past five years, the users of this facility were associated with \$53.9M in sponsored research expenditures, which translates to 9% of the total research expenditures in this period. The URCF also supports a dozen undergraduate and graduate classes training students in state-of-the-art computing and data science.

Leveraging a new "Major Research Instrumentation" award from the National Science Foundation and University funds, we are upgrading the University's original high-performance research computing core facility, Proteus. Proteus is past its useful lifespan of six years, and this upgrade will provide new and cutting-edge computing hardware to the University's research community. As is our tradition, the faculty that will be using the equipment agreed on a name for the new installation, Picotte, in honor of Dr. Susan La Flesche Picotte. Dr. Picotte was a graduate of the Women's Medical College in 1889, becoming the first Native American physician in the U.S. Check out the PBS mini documentary on Dr. Picotte here⁶, or learn more about her amazing accomplishments and work here⁷. Picotte will be ready for use by our researchers when installation and setup is completed, which we anticipate will

²<https://drexel.infoready4.com/#homePage>

³<https://www.infoedglobal.com/>

⁴<https://drexel.edu/research/news/coeus-replacement-project/>

⁵mailto:crp_info@drexel.edu

⁶<https://www.pbs.org/wnet/americanmasters/meet-first-american-indian-woman-physician-ienwy3/14818/>

⁷<https://www.smithsonianmag.com/history/incredible-legacy-susan-la-flesche-first-native-american-earn-medical-degree-180962332/>

be before the end of the calendar year. For more information, please visit the URCF web site⁸ or contact urcf-support@drexel.edu⁹.

Wishing you all health and safety,

Aleister Saunders

Executive Vice Provost for Research & Innovation

News and Announcements



Office of Research & Innovation launches new homepage!

Beginning on November 30, the ORI homepage will be much more informative and user-friendly. The homepage will highlight the following:

- Featured and recent news

⁸<https://drexel.edu/core-facilities/facilities/research-computing/>

⁹<mailto:urcf-support@drexel.edu>

- Shortcuts to the ORI's three distinct areas: Sponsored Programs, Compliance, and Applied Innovation
- A Quick Links section which emphasizes frequently traveled to pages based on Google analytics data
- A new section designed specifically to aid researchers in finding what they need to complete their research
- Will feature current research activities, ORI events, the monthly newsletter, and key metrics
- New supporting webpages linked from the homepage, including a "Getting Started" page with step-by-step guidance for researchers

The overall mission of the redesign is to make the ORI website highly-navigable, reducing the need for manual searching. We look forward to providing an improved user experience for you!



NIH Releases New Policy for Data Management and Sharing

Nearly twenty years after the publication of the Final NIH Statement on Sharing Research Data in 2003, NIH has released a Final NIH Policy for Data Management and Sharing. This represents the agency's continued commitment to share and make broadly available the results of publicly funded biomedical research. Responsible data management and sharing is good for science; it maximizes availability of data to the best and brightest minds, underlies reproducibility, honors the participation of human participants by ensuring their data is both protected and fully utilized, and provides an element of transparency to ensure public trust and accountability.

Get the full story here: <https://nexus.od.nih.gov/all/2020/10/29/nih-releases-new-policy-for-data-management-and-sharing/>

Faculty Highlights: Recent Grants and Awards

During the COVID-19 pandemic, Drexel University faculty continued with and were recognized for their scholarly research and professional contributions and recognitions. This update offers a snapshot of recent activity, courtesy of the Office of the Provost. Awards and recognition include **Dr. Roberta Waite, EdD**, who was selected as a member for Pennsylvania Governor Tom Wolf's Trauma-Informed Think Tank, **Dr. Yury Gogotsi, PhD**, who received the 2021 American Chemical Society (ACS) National Award in the Chemistry of Materials, and **Dr. Mauricio Reginato, PhD**, whose lab in College of Medicine became one of ten labs in the country to join the Alliance of Glycobiologists for Cancer Research.

Click here for the full list of accomplishments:

Additionally, in the coming weeks we will be announcing this academic year's competitions¹⁰ promoting scholarly and creative productivity. Once again, the competitions include:

- Faculty Summer Research Award
- Provost Award for Outstanding Scholarly Productivity
- Faculty Scholarly and Creative Activity Awards
- Faculty Bridge Funding Awards
- Scholarly Materials and Research Equipment Awards

Please keep an eye out for the formal announcement of this year's faculty award competitions.

Drexel-Funded Research Examines Racial Equity On and Off Campus

As part of its effort to become an active ally in the fight against racism, Drexel University, through its Office of Research and Innovation (ORI), provided over \$100,000 in funding for faculty research projects focused on racial equity.

“Our scholars are not only driven to create new knowledge but are also driven to apply their scholarship to confront real world challenges and have impact,” said Executive Vice Provost for Research & Innovation Aleister Saunders, PhD, when the projects were announced in August. Through the Rapid Response Research & Development Fund, which is designated for urgent short-term research projects, ORI funded 22 projects from faculty and professional staff from nine colleges and schools (plus one institute). These research projects vary across disciplines and areas of society, from biases in law enforcement and machine learning to racial injustice in education to race-related stress and trauma.

Read the full story here: <https://drexel.edu/now/archive/2020/November/Drexel-Funded-Research-Examines-Racial-Equity-On-and%20Off-Campus/>¹¹

Drexel Startup Receives FDA Breakthrough Device Designation

Last month Emunamedica, LLC announced¹² the receipt of the FDA Breakthrough Device Designation for its proprietary device Podascan™, which allows physicians to predict healing or non-healing of chronic

¹⁰<https://drexel.edu/facultyaffairs/development/faculty-awards/>

¹¹<https://drexel.edu/now/archive/2020/November/Drexel-Funded-Research-Examines-Racial-Equity-On-and-Off-Campus/>

wounds in response to treatment. As reported earlier, Emunamedica is a Drexel University startup commercializing Podascan, a noninvasive diagnostic device using near-infrared light to measure the body's response to chronic wounds and predict whether the wound will heal as a result of the applied treatment. In human studies conducted at Drexel, Podascan has been shown to work in chronic diabetic, venous and pressure ulcers. A wound becomes chronic if it does not heal after 8 weeks of treatment. Currently, a wound's response to treatment is measured by changes in its area, with the ability to predict healing after one month of therapy little better than a coin toss. Since chronic wounds can be unresponsive to a variety of treatments, it is important to determine if a wound is actually healing so that patients are not subjected to many months of ineffective treatments and ultimately require limb amputation. In contrast, Podascan can predict whether a wound is healing with >80% accuracy after a similar period of time, identifying the effective course of treatment much faster and increasing chances of success.

The underlying technology was developed in the laboratory of Drs. Elizabeth Papazoglou and Leonid Zubkov in Drexel's School of Biomedical Engineering, Science and Health Systems in collaboration with Dr. Michael Weingarten of Drexel's College of Medicine. Its development was supported by Pennsylvania tobacco settlement funds, Drexel's Coulter Translational Research Partnership Program¹³ and the University City Science Center's QED Program¹⁴.

The FDA Breakthrough Device Designation provides for increased interaction with the FDA during the development process and the priority review of regulatory submissions. Following the recent adoption of a new reimbursement rule¹⁵, medical devices with the Breakthrough Designation will receive special status when seeking government reimbursement. This new rule enables access to cutting edge therapies for the Medicare patients, who comprise the majority of patients with chronic wounds.

¹²<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.biospace.com%2Farticle%2Ffda-grants-breakthrough-device-designation-for-podascan-chronic-wound-diagnostic%2F&data=04|01|cng45%40drexel.edu|647542583b61484f0bfa08d88b1477e8|3664e6fa47bd45a696708c4f080f8ca6|0|0|637412267334698806|Unknown|TWfPbGZsb3d8eyJWljoimc4wLjAwMDAiLCJQljoiv2luMzliLCJBTiI6lk1haWwiLCJXVCI6Mn0%3D|1000&sdata=vrtkPyTKWXm7O3wkdZXPjFQbKmwfr3XkQP40AUhE1Tk%3D&reserved=0>

¹³<https://drexel.edu/coulter/>

¹⁴<https://drexel.edu/now/archive/2010/August/Drexel-University-Wound-Monitor-is-Licensed/>

¹⁵<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.medtechdive.com%2Fnews%2Fcms-eases-breakthrough-device-path-to-reimbursement-in-final-rule%2F560174%2F&data=04|01|cng45%40drexel.edu|647542583b61484f0bfa08d88b1477e8|3664e6fa47bd45a696708c4f080f8ca6|0|0|637412267334698806|Unknown|TWfPbGZsb3d8eyJWljoimc4wLjAwMDAiLCJQljoiv2luMzliLCJBTiI6lk1haWwiLCJXVCI6Mn0%3D|1000&sdata=lG0ydtQeLpU590hclU%2FDYcCzTIV1WHPD5iDiJQBX7YY%3D&reserved=0>

Funding Opportunity Resources



Grant Announcement from Misophonia Research Fund

The Milken Institute, in collaboration with The REAM Foundation, is administering a grant program focused on misophonia. The Misophonia Research Fund, established in 2019, has already awarded thirteen grants, equating to over \$4 million of funding disbursed. The program supports two-year projects led by either faculty or postdocs with annual budgets of up to \$200,000. Funded projects include:

- At Duke University, Dr. Clair Robbins will conduct postdoctoral research to develop a treatment protocol based on methods targeting emotional disorders.
- At the University of Florida, Dr. Andres Keil will use multimodal imaging techniques to evaluate the interaction between auditory processing, emotion, and sensory perception in misophonia.
- At University of Illinois at Urbana-Champaign, Dr. Fatima Husain will study misophonia in the context of the audiological disorders such as tinnitus and hyperacusis.
- At University of Mississippi, Dr. Laura Dixon will evaluate the physiological basis of misophonia symptomology.
- At the University of Nevada Las Vegas, Dr. Erin Hannon will examine whether misophonia is linked to differences in high-level auditory processing.

- At the University of Sussex, Dr. Jamie Ward will test the hypothesis that atypical sensory sensitivity may underlie misophonia and predispose some people to develop misophonia.

We are enthusiastic to share the Request for Proposals to initiate the next funding cycle. The RFP is published on the Milken Institute website, and we have developed a guide to the scientific topic and outstanding questions which may help researchers interested in the field. Letters of intent are requested by December 11, 2020 and full proposals will be due on March 12, 2021. Contact for more information: misophonia@milkeninstitute.org¹⁶

Click here for grant details: <https://milkeninstitute.org/reports/misophonia-giving-smarter-guide>

NIH PAR-17-221 (2021): Enhancing Science, Technology, Engineering, and Math Educational Diversity (ESTEEMED) Research Education Experiences (R25)

Summary: The over-arching goal of this National Institute of Biomedical Imaging and Bioengineering (NIBIB) R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral and clinical research workforce. The ESTEEMED program is intended to support underrepresented racial and ethnic groups, individuals with disabilities, and individuals from disadvantaged backgrounds. It will prepare these participants for an Advanced Honors Program, such as a MARC U-STAR (T34) program and institutional program with similar goals, in the junior and senior years and subsequently, to pursue a Ph.D. or M.D./Ph.D. degree and a biomedical research career in academia or industry. The PD/PI should be an established investigator in the scientific area in which the application is targeted and capable of providing both administrative and scientific leadership to the development and implementation of the proposed program. The PD/PI will be expected to monitor and assess the program and submit all documents and reports as required.

Click here for more info: <https://drexel.infoready4.com/#competitionDetail/1818968>

Deadline: 12/24/2020

NIH PAR-20-107: Developmental Centers for AIDS Research

Summary: The Centers for AIDS Research program was established in 1988 and renewed through 2021. D-CFARs were incorporated into the CFAR Program in 2000. The Developmental Centers for AIDS Research (D-CFARs) program supports research and administrative infrastructure, and translational HIV/AIDS research activities at institutions that receive significant HIV/AIDS funding from NIH Institutes or Centers. The purpose of the D-CFAR is to provide support for applicants ultimately seeking a standard CFAR. A D-CFAR will allow the applicant to develop collaborations, to experiment with Core facilities that may be important to support HIV/AIDS investigators at the institution, and to build and strengthen any deficiencies that might adversely affect an application for a standard CFAR award, which could ultimately lead to the development of a competitive standard CFAR application.

Click here for more details:

<https://drexel.infoready4.com/CompetitionSpace/#competitionDetail/1821941>

Deadline: 1/28/21

¹⁶<mailto:misophonia@milkeninstitute.org>

Events and Education



PreAward Training Opportunities

Join the Office of Research & Innovation PreAward grants team for several training sessions in the fall! You can register in Career Pathway and will receive the Zoom information upon registration. As always, you can reach out to your PreAward contacts¹⁷ for individualized training on specific topics, or suggest a topic that the wider community may benefit from.

NSF: Collaborative Proposals and File Updates

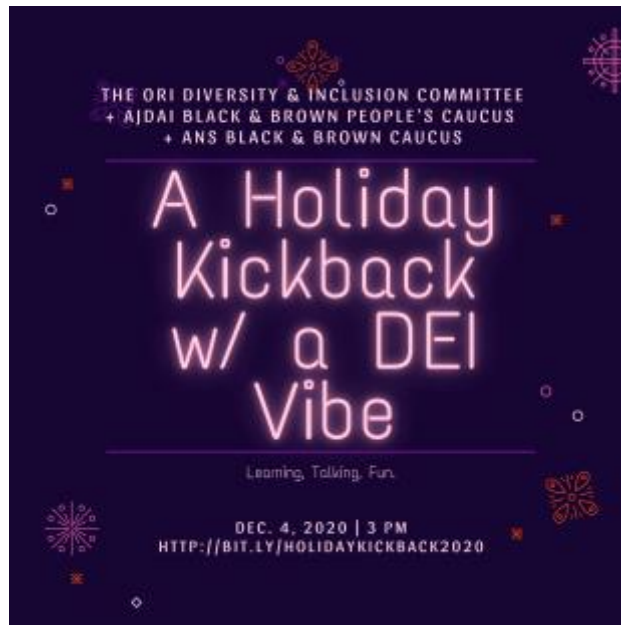
Presented by Kia Haslam and Katie Montalto

Wednesday, December 9th, 10 am

This Presentation will focus on National Science Foundation Collaborative Proposal and File Updates, based on the updated NSF Proposal and Award Policies and Procedures Guidelines dated June 1, 2020. Some topics to be covered include collaborative proposal submission types and how to update files in NSF after a grant has been submitted.

¹⁷<https://drexel.edu/research/about/find-program-administrator/>

Diversity Dialogues - Holiday Kickback 2020



The Office of Research & Innovation Diversity & Inclusion Committee invites you to join us for our next event, a holiday-themed kickback on December 4 at 3pm. Building on our prior dialogues, this event will be in a different, more interactive format with some holiday cheer thrown in. We'll use the breakout rooms feature of Zoom to facilitate smaller conversations about topics we have discussed in prior dialogues, as well as some fun and games, in order to engage attendees in a more dynamic learning experience. Hope to see you there, and please spread the word!

Register at this link: <http://bit.ly/holidaykickback2020>¹⁸

Please email ori-diversity@drexel.edu¹⁹ to request access to the recordings of any of our previous dialogue sessions.

DAPLC 12/7 Self-Care and Wellness Event

It is important to carve out time for ourselves, especially as many are working from home, stressed, and attempting to juggle a range of personal and professional responsibilities, leading to an increase in anxiety, depression, and burnout.. Come join the Drexel Administrative Professionals Learning Community on December 7th from 9:30am to 11am for a 90-minute session titled "Self-Care Strategies to Face the Ongoing Uncertainty." There will be a bit of structured social time, as well as presentations from two self-care and wellness leaders at Drexel. The first will be led by Ahaji Schreffler, Director of Programs, Study Abroad, who wears many hats at Drexel setting a great example for us all in finding a strong work-life balance. Ms. Schreffler will provide attendees the opportunity to learn how to better manage stress and more deeply engage in work and life. In addition, Dr. Eric Zillmer, Director

¹⁸<https://nam10.safelinks.protection.outlook.com/?url=http%3A%2F%2Fbit.ly%2Fholidaykickback2020&data=04|01|ori-diversity%40drexel.edu|f52dd3f76514423a445f08d88d69487d|3664e6fa47bd45a696708c4f080f8ca6|0|0|637414830621333831|Unknown|TWfPbGZsb3d8eyJWljojMC4wLjAwMDAiLCJQIjojV2luMzliLCJBTiI6Ik1haWwILCJXVCI6Mn0%3D|1000&sdata=wYJ%2FNlpiZmtHE%2FOyhnbfNyM1uHCDVli3gEnXEI0Zq%2Fo%3D&reserved=0>

¹⁹<mailto:ori-diversity@drexel.edu>

of Athletics and the Carl R. Pacifico Professor of Neuropsychology, known for his work on happiness, will lead a discussion on stress management and wellness strategies as the pandemic and the holidays bring extra stress for many.

Please register on Career Pathway, and we look forward to seeing you there.

Drexel's Junior Dragons Program



Drexel University recognizes that, for employees with school-aged children at home, the COVID-19 pandemic has disrupted the way we are used to maintaining a healthy work-life balance and the way our children are learning and getting the educational supports they need. In response to Drexel employees' concerns about addressing the educational needs of their children while working a full-time job, Drexel Human Resources (HR) has developed the Junior Dragons Learning Program (Junior Dragons), an online, K-12 academic support and enrichment program available to the children of benefits-eligible Drexel faculty and professional staff. Drexel HR has hired a team of Drexel undergraduate and graduate students who will provide on-demand homework help and tutoring services to help your children stay on track academically during this difficult time. This service is free for all benefits-eligible Drexel employees. More information can be found on HR's website here²⁰.

Society of Research Administrators International Training Modules

The Society of Research Administrators International (SRAI) offers many research administration learning courses via live webinar and online sessions. See below for a few upcoming programs.

2020 iSRA Basics of Research Administration

SRAI created the Basics of Research Administration program²¹ for research administrators new to the field with less than 2 years' experience. The content is designed to provide a broad awareness across research administration.

Participants will work through micro-credentialing modules on their own time, then interact with instructors weekly through online classes in real-time. Discussions with your peers and instructors will

²⁰<https://drexel.edu/hr/benefits/other-benefits/junior-dragons/>

²¹<https://www.srainternational.org/meetings/intensive-training/online-intensive-program/basics-ra-2020-online/basics-ra-education>

continue through an easy-to-use digital platform providing a study community in a virtual world. The program will include five micro-credentialing modules with six one-hour cohort sessions online to discuss key elements and review course concepts.

Register for this program here²².

Principles of Post-Award Financial Research Administration

This module offers the following learning objectives:

- Explain how to receive and establish an award
- Review award management, including
 - Expenditure review and monitoring
 - Subrecipient Monitoring
 - Sponsor invoicing and LOC draws
- Provide an overview of financial reporting, including
 - Regular federal reports (Quarterly Cash Transaction Reports, Annual Expenditure Data Reports)
 - Reporting of income generated by award activities
 - Final financial reporting and award closeout
- Introduce external audits

Learn more and register here²³.

Drexel Human Resources Trainings on Diversity, Equity and Inclusion

Sign up for various trainings on Diversity, Equity & Inclusion within Career Pathway. Human Resources is offering these trainings to help all Drexel employees better understand and infuse these values into an environment built on respect and dignity. Included are trainings on microaggressions, allyship, implicit bias, privilege, and building community, among others. Trainings are offered in webinar format to allow employees to participate as schedules permit. We encourage all of our colleagues to engage in these trainings as a starting point in helping to create a more diverse, inclusive, and equitable work environment for all.

Fashion, Style & Queer Culture Conference May 2021

The Office of Research, The Antoinette Westphal College of Media Arts & Design, Drexel University Online, with The Department of Design, are proud to present Fashion, Style & Queer Culture, May 20-22, 2021. In this third Fashion, Style &... we will focus on how fashion and style is portrayed in queer culture.

²²<https://www.srainternational.org/meetings/intensive-training/online-intensive-program/basics-ra-2020-online/basics-ra-registration>

²³<https://www.srainternational.org/online-learning/levelup-main/levelup-courses/principles-post-award>

This conference moves beyond fashion as clothes and is broadly interdisciplinary, considering all areas of media, arts and design. Members of the LGBT community have recaptured the terminology 'queer' as it becomes a new area of study allowing LGBTQA to re-examine how we look at lifestyle. But as the queer theorist Thomas Piontek (2006) has discussed – through the prism of identity and its discontents the field (queer) studies modelled itself on other areas such as ethnic studies programs, perhaps to be intelligible to the university community – this conference aims to see the other interdisciplinary connections and approaches to queer. With the advent of queer theory, there are now many perspectives available that frequently find themselves at odds with the traditional, and while fashion has been one of them, this conference hopes to examine all areas, representations and expressions of queer culture found in style, art, exhibition, religion, education, the humanities, health, medicine, business, social sciences, everyday lifestyles, practice-based disciplines and other various forms that are indicators of this phenomenon. We welcome all disciplines throughout the university as this conference will be free to all those who are affiliates of Drexel! Abstracts from those at Drexel are due February 1, 2021. Fashion, Style & Queer Culture Conference²⁴

Online Resources and Links



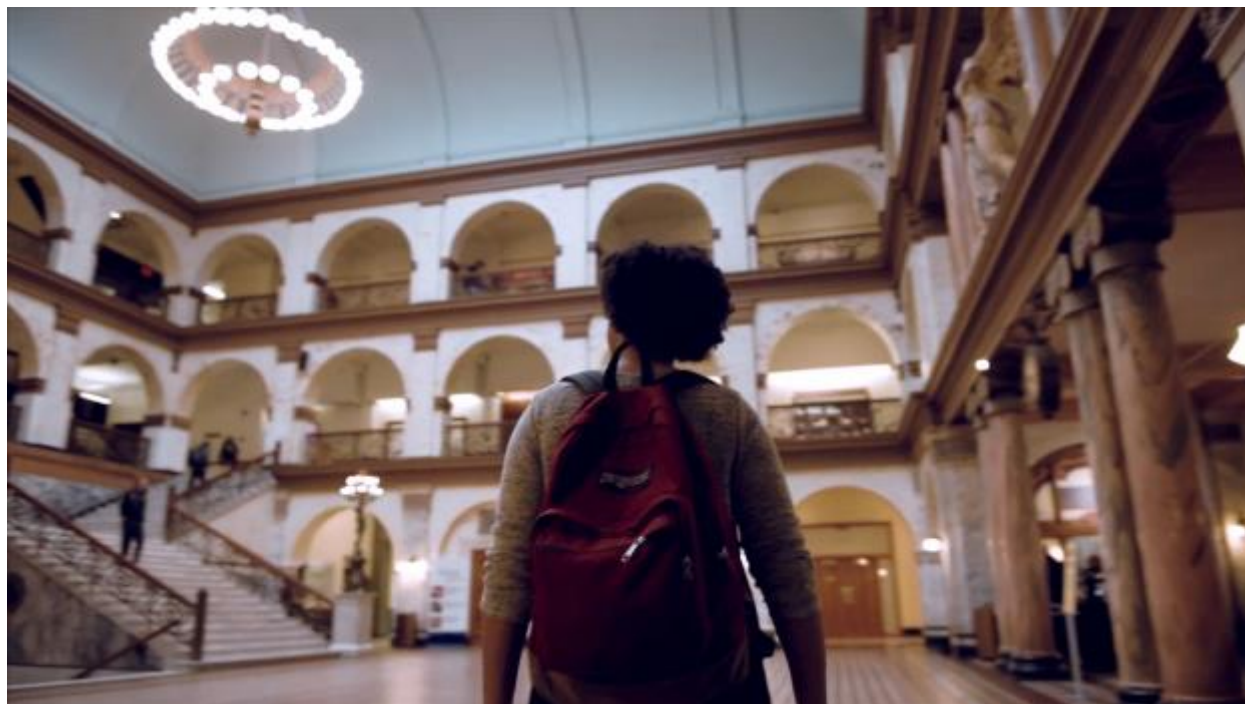
-
- *Office of Research & Innovation*²⁵
 - *Find Your Pre-Award Program Administrator*²⁶

²⁴<https://drexel.edu/fashion-style>

²⁵<https://drexel.edu/research>

- [Resources and Forms](#)²⁷
 - [Response to the COVID-19 Pandemic and Research Ramp-Up Guidance](#)²⁸
 - [Contact members of the Office of Research & Innovation](#)²⁹
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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.³⁰

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

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

²⁶<https://drexel.edu/research/about/find-program-administrator/>

²⁷<https://drexel.edu/research/resources/documents-and-forms/>

²⁸<https://drexel.edu/research/resources/response-to-covid-19-pandemic/>

²⁹<https://drexel.edu/research/about/contact/>

³⁰<https://drexel.edu/research/about/contact/>