

October 25, 2021

Meet NDSU's New Faculty Members

Throughout the year, RCA will be highlighting new faculty in the weekly newsletter.

Full profiles are available on the [RCA website](#).

Jayme Steig, PharmD

Pharmacy Practice

What are your primary research and scholarly interests?

My primary research interests involve design and implementation of programs to improve outcomes in community pharmacy practice. This includes the Opioid & Naloxone Education (ONE) Program, improving immunization rates, and chronic disease management / prevention.

Where are you from and where did you pursue your education?

I grew up on a farm near Sawyer, ND and currently live in Casselton, ND. I received a Doctor of Pharmacy degree from NDSU.

What excites you about NDSU?



I am excited for the opportunities to collaborate with faculty and the pharmacy professionals in North Dakota. The practice environment in the state provides opportunities to develop innovative programs.

What motivates you?

I am motivated to see the role of pharmacy continue to evolve to improve patient outcomes in our health care system.

[Learn more about Jayme >>](#)

Rebecca Sandell Joins RCA as Award Intake Officer



Rebecca Sandell has joined the RCA Sponsored Programs Administration (SPA) team as the award intake officer. Rebecca started at NDSU in 2019, providing post-award grant support for departments in the college of science and mathematics as a grant / business coordinator. In this position, Rebecca was involved with grant budget management and assisted with spending projections and updated fund balances; advising on expenditure allowability; and facilitating budget reallocations. Prior to joining NDSU, Rebecca was a financial grant administrator at Sanford Health where her duties included developing project budgets; monitoring project expenses for compliance with sponsor guidelines; and policy and procedure work for compliance with the U.S. Office of Management and Budget guidance. “We are excited to have Rebecca join our team,” commented SPA associate vice president Val Kettner. “Her broad experience with the grant administration process will add to the team’s targeted department / college perspective as we continue to enhance our business processes.”

Conference Grants Available for Undergraduate Students to Present Research at NCUR 2022



The Council on Undergraduate Research (CUR) has announced that the 2022 National Conference on Undergraduate Research (NCUR) will be held VIRTUALLY April 4-8, 2022.

This is an exciting opportunity for thousands of undergraduate researchers from all disciplines to get together for a unique virtual conference experience. Participants will gain experience presenting their research to a broad audience, opportunities for professional development including a virtual graduate school fair, networking with other students and faculty in their fields, and more!

The NDSU Office of Research and Creative Activity will fund the registration fee for up to 10 students who have their abstracts accepted by NCUR.

To be eligible for this conference grant, students need to:

1. notify RCA of their interest by November 5, 2021 (email ndsu.researchdev@ndsu.edu);
2. submit their abstracts to NCUR by November 19, 2021; and
3. register for NCUR by January 31, 2022 (if their abstract is accepted).

Conference grants will be awarded on a first-come, first served basis.

[Learn more about NCUR >>](#)

Future of NSF EPSCoR - Public Comment Form

The National Science Foundation (NSF) Committee on Equal Opportunities in Science and Engineering (CEOSE) has charged a subcommittee with envisioning the future of the NSF Established Program to Stimulate Competitive Research (EPSCoR). The subcommittee has opened up a public comment site for anyone to provide input and ideas: <https://beta.nsf.gov/envisioning-future-nsf-epscor/epscor-public-comment>. The public comment form allows for open-ended comments around 3 broad questions:

1. What current NSF EPSCoR investment strategies have you found to be successful? What makes them successful? Please give examples of these successes, particularly for how NSF EPSCoR investments have led to sustained improvements to research competitiveness for individuals, teams, institutions, or jurisdictions.
2. What factors influence the effectiveness of NSF EPSCoR investments? How are you measuring their effectiveness and / or success?
3. Are there additional strategies or investment areas that could help NSF EPSCoR and its jurisdictional partners achieve their shared goals? What competitiveness gaps might such strategies address, and how might they work? Cite evidence where possible to support your ideas.

The deadline for submitting comments is October 29, 2021.



Q: When routing a proposal in Novelution for internal review and approval, will a department chair / director / dean receive an email notification when a proposal is ready for approval?

A: Yes, each approver listed in a proposal's "workflow and history" panel will receive a system-generated email when a proposal is ready for their individual approval. When viewing a proposal's "workflow and history" panel, there is a column labeled "completion state." As soon as the completion state for an approver changes from "not ready" to "ready," an email is sent to the approver that contains high-level proposal details such as PI / CO-PI names, proposal title, sponsor name, and deadline.

Questions about the Novelution system may be directed to

ndsu.novhelp@ndsu.edu.

[Learn more about Novelution >>](#)

Upcoming Workshops and Events

- **Webinar: Partner with PepsiCo**
October 26, 2021 / [Learn more >>](#)
- **DOE Office of Science Virtual Communications Summit**
October 26, 2021 / [Learn more >>](#)
- **AAAS Virtual Event: Elevating the Arts in American Life**
October 27, 2021 / [Learn more >>](#)
- **NIH Virtual Grants Conference**
November 1-4, 2021 / [Learn more >>](#)



FEATURED RESOURCE

October Issue: Research Development & Grant Writing News

The October issue of [Research Development and Grant Writing News](#) is now available to view. Use your NDSU login information to access this resource. Various topics are covered, including:

- Want to Widen the Audience for Your Research? Applying for NEH's Public Scholar Program;
- How to Write a Winning Proposal to the USDA-NIFA;
- Funding High-Risk Research;
- How to Write A Winning Proposal to the Office of Naval Research; and
- What Faculty Need to Know about Broad Agency Announcements (BAA).

FUNDING OPPORTUNITIES

- [DoD: Army Engineer Research and Development Center](#)
- [EPA: Surveillance of Coronaviruses and Other Pathogens in Wastewater](#)
- [ND NASA EPSCoR Research and Travel / Connect with NASA Researchers](#)
- [NEH: Public Scholars](#)
- [NSF: Broadening Participation in Engineering](#)
- [NSF: CISE Community Research Infrastructure](#)
- [NSF: Designing Accountable Software Systems](#)
- [NSF: Mid-Career Advancement](#)
- [Otto Bremer Trust: Social Return](#)
- [Pardee Foundation: Cancer Research Grants](#)

Upcoming Limited Submission Program Deadlines

[Limited submission grant programs](#) are those that indicate a limit on the number of proposals that may be submitted by an institution for a particular deadline. A selection process becomes necessary if more applicants express interest in applying than NDSU is allowed to submit to the grant program. Email notifications of interest to ndsu.researchdev@ndsu.edu.

If you identify a limited submission opportunity that is not on the list below, please notify ndsu.researchdev@ndsu.edu.

- [NSF: AI Research Institutes](#)
Notification Deadline: 11/09/2021
- [NIH: Outstanding New Environmental Scientist](#)
Notification Deadline: 11/17/2021

There are a number of limited submission grant programs with upcoming agency deadlines for which we did not receive any notifications of interest. A full list of

those programs is available on the [Limited Submissions page](#). For these programs, marked "First to Notify," approval to move forward with a full proposal submission to the funder will be given on a first come, first served basis. Email notifications of interest to ndsu.researchdev@ndsu.edu.

Looking for more funding opportunities?



RCA subscribes to SPIN by InfoEd Global, a database of more than 40,000 funding opportunities. Through this subscription, SPIN is free for current NDSU faculty, staff, and students.

For more information and to access this database, visit the [SPIN page](#) on the RCA website. If you have questions, please contact ndsu.researchdev@ndsu.edu.

DoD: Army Engineer Research and Development Center

The U.S. Army Engineer Research and Development Center (ERDC) has issued a [Broad Agency Announcement \(BAA\)](#) for various research and development topic areas. The ERDC is responsible for conducting research in the broad fields of hydraulics, dredging, coastal engineering, instrumentation, oceanography, remote sensing, geotechnical engineering, earthquake engineering, soil effects, vehicle mobility, self-contained munitions, military engineering, geophysics, pavements, protective structures, aquatic plants, water quality, dredged material, treatment of hazardous waste, wetlands, physical / mechanical / chemical properties of snow and other frozen precipitation, infrastructure and environmental issues for installations, computer science, telecommunications management, energy, facilities maintenance, materials and structures, engineering processes, environmental processes, land and heritage conservation, and ecological processes.

This BAA is open until superseded. Applications are accepted at any time.

EPA: National Priorities - Innovative Sampling Designs for Public Health Surveillance of Coronaviruses and Other Pathogens in Wastewater

The COVID-19 pandemic has highlighted the need for effective tools to monitor the emergence and spread of infectious diseases. The U.S. Environmental Protection Agency (EPA) is seeking applications [[EPA-G2022-ORD-B1](#)] proposing innovative research to inform effective wastewater sampling network designs which allow for early detection and can provide evidence of spread of infection from national to local levels in a form that can be readily used by public health agencies nationwide to address current and future epidemics / pandemics. Wastewater sampling has been widely deployed during the pandemic as a cost-effective, screening-level approach to assess infection levels in the community. In addition to improved analytical detection methods and understanding of pathogen fate and transport in sewer systems, advancing wastewater-based monitoring will require well-designed sampling networks and public health data integration approaches.

Cost-share is required for this program.

Deadline: December 15, 2021

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ND NASA EPSCoR Research and Travel RFP

[North Dakota NASA EPSCoR](#) (the Established Program to Simulate Competitive Research) is soliciting research proposals from faculty at [affiliate institutions](#) for Research Seed Grant funding and Travel Grant Funding. Funding must contribute to the completion of NASA-relevant research designed to promote and expand particular NASA research subdisciplines in North Dakota.

More information, including NASA priorities, the full Request for Proposals (RFP), online submission form, and budget sheet can be found in the [RFP announcement on the ND NASA EPSCoR website](#).

Deadline: November 9, 2021

NASA EPSCoR Presents Virtual Research Discussions (ViReD) is a new series of bimonthly, virtual meetings (held on the second and fourth Wednesday of each month at 3 p.m.) designed to introduce university researchers in the 28 EPSCoR jurisdictions to researchers at NASA. The major objectives of these meetings are to:

1. ensure NASA EPSCoR researchers around the country are familiar with the research priorities and active projects at NASA,
2. confirm that NASA researchers are familiar with the opportunities NASA EPSCoR funding can offer to their research enterprises,
3. provide a forum for jurisdiction researchers to ask questions regarding potential areas of interest to NASA, and
4. result in high quality collaborative opportunities for both NASA and EPSCoR jurisdiction researchers.

The next session is scheduled for **Wednesday, October 27 at 3pm**, and will be focused on the [Physical Sciences Program](#). Featured speakers will be Dr. Fran Chiaramonte, Program Scientist for Physical Sciences in the [Biological and Physical Sciences](#) Division of NASA's Science Mission Directorate, and Dr. Brad Carpenter, Program Scientist for Fundamental Physics in the Biological and Physical Sciences Division. The moderator is Gerardo Morell, the NASA EPSCoR Director from Puerto Rico.

To join the meeting:

Zoom Meeting

Link: <https://isu.zoom.us/j/99600679976?pwd=R0JLWnRDR3hvc3F4MGZwWllwMlFUQT09>

Meeting ID: 996 0067 9976

Password: 148672

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NEH: Public Scholars

The [Public Scholars program](#) supports the creation of well-researched nonfiction books in the humanities written for the broad public. It does so by offering grants to individual authors for research, writing, travel, and other activities leading to publication. Writers with or without an academic affiliation may apply, and no advanced degree is required. The program is intended both to encourage non-academic writers to deepen their engagement with the humanities by strengthening the research underlying their books and to encourage academic writers in the humanities to communicate the

significance of their research to the broadest possible range of readers.

Deadline: December 15, 2021

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NSF: Broadening Participation in Engineering

Through the Broadening Participation in Engineering (BPE) Program [[NSF 22-514](#)], NSF seeks to strengthen the future U.S. engineering workforce by enabling and encouraging the participation of all citizens in the engineering enterprise. The BPE Program seeks to support not only research in the science of broadening participation and equity in engineering, but also collaborative endeavors which foster the professional development of a diverse and well-prepared engineering workforce *as well as* innovative, if not revolutionary, approaches to building capacity through inclusivity and equity within the engineering academic experience.

To solicit the best ideas for these activities, both in formation and enactment, the BPE Program will support projects at various levels of readiness and complexity through the following four tracks:

1. Planning and Conference Grants;
2. Research in Broadening Participation in Engineering; I
3. nclusive Mentoring Hubs (IMHubs); and
4. Centers for Equity in Engineering (CEE).

Letter of Intent Deadline: December 3, 2021

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NSF: CISE Community Research Infrastructure

The Computer and Information Science and Engineering (CISE) Community Research Infrastructure (CCRI) program [[NSF 22-509](#)] drives discovery and learning in the core CISE disciplines by funding the creation and enhancement of world-class research infrastructure. This research infrastructure will specifically support diverse communities of CISE researchers pursuing focused research agendas in computer and information science and engineering. This support involves developing the accompanying user services and engagement needed to attract, nurture, and grow a robust research community that is

actively involved in determining directions for the infrastructure as well as management of the infrastructure. This should lead to infrastructure that can be sustained through community involvement and community leadership, and that will enable advances not possible with existing research infrastructure. The CCRI program supports three classes of awards:

- **Planning Community Infrastructure (Planning)** awards support planning efforts to engage research communities to develop new CISE community research infrastructures. Such an infrastructure could be eventually funded through the CCRI program (Planning-C) or the NSF mid-scale research infrastructure programs (Planning-M). For the scope of mid-scale research infrastructure proposals, see the most recent solicitation [NSF 21-505](#).
- **Medium Community Infrastructure (Medium)** awards support the creation of new CISE community research infrastructure or the enhancement of existing CISE community research infrastructure with integrated tools, resources, user services, and research community outreach to enable innovative CISE research opportunities to advance the frontiers of the CISE core research areas. The **Medium** award class includes **New (New) and Enhance / Sustain (ENS)** awards.
- **Grand Community Infrastructure (Grand)** awards support projects involving significant efforts to develop new CISE community research infrastructure or to enhance and sustain an existing CISE community research infrastructure to enable world-class CISE research opportunities for broad-based communities of CISE researchers that extend well beyond the awardee organization(s).

Each CCRI **Medium or Grand** award may include support for operation of the infrastructure, ensuring that the awardee organization(s) is (are) well positioned to provide a high quality of service to CISE community researchers expected to use the infrastructure to realize their research goals.

Upcoming deadlines: January 11, 2022; June 23, 2022



NSF: Designing Accountable Software Systems

The Designing Accountable Software Systems (DASS) program [[NSF 22-512](#)] solicits foundational research aimed towards a deeper understanding and formalization of the bi-

directional relationship between software systems and the complex social and legal contexts within which software systems must be designed and operate. The DASS program aims to bring researchers in computer and information science and engineering together with researchers in law and social, behavioral, and economic sciences to jointly develop rigorous and reproducible methodologies for understanding the drivers of social goals for software and for designing, implementing, and validating accountable software systems. DASS will support well-conceived collaborations between these two groups of researchers. The first group consists of researchers in software design, which, for the purposes of this solicitation, is broadly defined as formal methods, programming languages, software engineering, requirements engineering, and human-centered computing. The second group consists of researchers in law and the social, behavioral, and economic sciences, who study social systems and networks, culture, social norms and beliefs, rules, canons, precedents, legal code, and routine procedures that govern the conduct of people, organizations, and countries.

Proposals for this program must create general advances in both

1. understanding the social, behavioral, economic and / or legal context of accountable software design; and
2. improving the methodology for designing accountable software beyond specific use cases.

Each proposal must have at least one Principal Investigator (PI) or co-PI with expertise in software design and at least one PI or co-PI with expertise in law or a social, behavioral, or economic science. All proposals must contain a detailed collaboration plan that leverages the complementary expertise of the PIs / co-PIs in the designated areas and describes the mechanisms for continuous bi-directional collaboration. Projects are limited to \$750,000 in total budget, with durations of up to three years.

Deadline: January 28, 2022

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NSF: Mid-Career Advancement

The Mid-Career Advancement program [[NSF 21-516](#)] offers an opportunity for scientists and engineers at the Associate Professor rank (or equivalent) to substantively enhance and advance their research program through synergistic and mutually beneficial

partnerships, typically at an institution other than their home institution. Projects that envision new insights on existing problems or identify new but related problems previously inaccessible without new methodology or expertise from other fields are encouraged.

Partners from outside the PI's own subdiscipline or discipline are encouraged, but not required, to enhance interdisciplinary networking and convergence across science and engineering fields.

Deadline: February 7, 2022

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Otto Bremer Trust: Social Return

The Otto Bremer Trust invests in projects that benefit communities in Minnesota, Montana, North Dakota, and Wisconsin. The Trust does not have specific strategic grant-making priorities, but does provide [broad categories](#) to explain the types of programs and services in which they invest. These include:

- **Community Asset Building:** This category covers a range of investments, including small business development, diversity initiatives, community planning, long-term housing programs, transportation, literacy, and adult education, all which are focused on building strong community assets.
- **Health and Wellbeing:** Examples include early education and parenting programs, community recreation, physical and mental health services, youth support and enrichment, post-secondary education and job skills.

Upcoming grant deadlines: December 2, February 10

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Pardee Foundation: Cancer Research Grants

The [Elsa U. Pardee Foundation](#) funds research to investigators in United States non-profit institutions proposing research directed toward identifying new treatments or cures for cancer. The Foundation funds projects for a one year period which will allow establishment of capabilities of new cancer researchers, or new cancer approaches by established cancer researchers. It is anticipated that this early stage funding by the

Foundation may lead to subsequent and expanded support using government agency funding. Project relevance to cancer detection, treatment, or cure should be clearly identified. By design, there are no limits set on the grant amount that can be requested. It must be reasonably and clearly supported by the scope of the project outlined in the application.

Upcoming deadlines: December 31, 2021, April 30, 2022

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Webinar: Partner with PepsiCo

October 26, 2021 | 12:00pm

[Halo](#) is hosting a live webinar with PepsiCo to learn about its latest funding opportunity. You can review the opportunity in advance [here](#).

The webinar is hosted by Sameer Talsania, PhD, Senior Manager of External Innovation, and Ted Rivera, PhD, Senior Principal Scientist. Following a brief presentation, they will be available to answer questions directly from researchers.

Relevant expertise: Food science, Water treatment, Biochemistry, Chemical engineering, Materials science.

Here's what you'll learn:

- What technologies and approaches are of particular interest;
- What are the must-have versus preferred requirements; and
- How PepsiCo can help bring your innovation to the world.

[Learn more and register >>](#)

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DOE Office of Science: Virtual Communications Summit

October 26, 2021 | 10am-4:30pm

The Department of Energy (DOE) Office of Communications and Public Affairs (OCPA) is hosting a communications summit titled “Engaging the Public in Discovery Science.”

The summit will explore:

- What is discovery science, and does the communication of discovery science differ from other science communication?
- What are our goals in communicating about the research portfolio of the Office of Science (SC)? What strategies have we developed to reach those goals? Who are our audiences? How are we measuring our success?

The discussion will include the content mix (narrative, video, multimedia), communication platforms (news releases, Twitter, web, other), branding, and accessibility (both in terms of where our information is disseminated and in how understandable it is). The discussions are expected to form the basis of recommendations to senior SC program leadership. [Register to attend >>](#)

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AAAS Virtual Event: New Horizons - Elevating the Arts in American Life

October 27, 2021 | 2:00pm

In this celebration of arts, artists, and the work of the American Academy's Commission on the Arts, Stephen Colbert will interview Cochairs John Lithgow, Deborah Rutter, and Natasha Trethewey. The event will include poetry, music, and a discussion of recommendations developed by the Commission to elevate the arts, support artists, and promote arts education in America. The program will introduce *Mixtape*, an online collection of arts experiences featuring members of the Commission and the Academy.

[Register to attend >>](#)

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NIH Virtual Grants Seminar

November 1-4, 2021

The National Institutes of Health Virtual Seminar on Grants Administration and Program Funding will be held November 1-4, 2021.

Registration is now open. The seminar will include opportunities to:

- learn about NIH grant processes, policies, and programs;
- interact with NIH program, grants management, review, and policy staff;
- gather resources to use and share with colleagues;
- engage and network with your peers; and

- meet 1:1 with NIH experts.

For more information and to register, visit <https://nihvirtualeseminar2021.vfairs.com/>. If you have questions about this virtual conference, please contact: NIHRegionalSeminars@nih.gov.

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Have questions, ideas, or suggestions for the RCA Update?

[Contact Us](#)



The Office of Research and Creative Activity (RCA) sends weekly emails to NDSU faculty and staff to provide current information on various topics including funding opportunities, grant program changes, research resources, deadlines, notices, and training.

You are receiving this notification through the NDSU official employee listserv or sub-list. The official listserv refreshes after each pay period.

North Dakota State University does not discriminate on the basis of age, color, disability, gender expression/identity, genetic information, marital status, national origin, public assistance status, race, religion, sex, sexual orientation, or status as a U.S. veteran. Direct inquiries to: Equal Opportunity Specialist, Old Main 201, 701-231-7708 or Title IX/ADA Coordinator, Old Main 102, 701-231-6409.

We collectively acknowledge that we gather at NDSU, a land grant institution, on the traditional lands of the Oceti Sakowin (Dakota, Lakota, Nakoda) and Anishinaabe Peoples in addition to many diverse Indigenous Peoples still connected to these lands. We honor with gratitude Mother Earth and the Indigenous Peoples who have walked with her throughout generations. We will continue to learn how to live in unity with Mother Earth and build strong, mutually beneficial, trusting relationships with Indigenous Peoples of our region.