

**NDSU** OFFICE OF  
RESEARCH AND CREATIVE ACTIVITY

# RCA UPDATE

December 20, 2021

## Happy Holidays from the RCA Team



**NDSU earns classification as one of nation's top  
research institutions**

North Dakota State University has been designated as an R1 research institution by the Carnegie Classification of Institutions of Higher Education. Carnegie's R1 distinction, entitled "Doctoral University: Very High Research Activity," is the highest classification possible and is presented to only the top research institutions in the country. For the 2021 list, 137 institutions were designated with the R1 status with 100 being public universities like NDSU. Only three universities in the six-state upper Midwest region of the country were designated as R1: the University of Minnesota, North Dakota State University and Montana State University.

[Read more >>](#)

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## NDSU professor leads research into new types of solar panels

NDSU distinguished chemistry and biochemistry professor Philip Boudjouk, PhD, has received a \$2.5 million award from the U.S Department of Defense. The award will fund research into the development of new materials that can absorb solar energy in low light conditions.



Boudjouk, a Jordan A. Engberg distinguished professor and Chamber of Commerce distinguished professor, has researched the synthesis of compounds containing silicon for nearly five decades. His work has developed materials that are semiconducting, can be used as inks for printed electronics applications and for novel photovoltaic devices. He has created unique materials such as the liquid precursor cyclohexasilane, which is currently being used in the creation of nontoxic silicon quantum dots that are tiny nanometer semiconductors that emit light when their electrons are exposed to UV light and hold great promise in medicine.

Boudjouk is once again paving new ground with this research. He hopes to create solar PV cells that will generate electricity from low levels of light such as found

during cloudy days and under water.

“We’ve got a history of solar research at NDSU,” he said. “It’s a part of our century plus experience of developing new materials and coatings.”

[Read more >>](#)

## 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](#).

### Amber O'Shea, PhD

#### Education

#### What are your primary research and scholarly interests?

My research and scholarship focus on social-emotional learning and trauma-informed education, as well as understanding hope in K-12 settings.

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

I am from Gretna, Nebraska. I earned my Bachelor of Arts in Elementary Education from the University of Nebraska-Lincoln. I also earned a Masters of Educational Psychology and my Doctorate in Educational Studies with a specialization in Teaching, Curriculum, and Learning from the University of Nebraska-Lincoln.

#### What excites you about NDSU?

NDSU is an exciting opportunity for me as we have begun the work in developing a Whole Child Approaches M.Ed. program. It is something I am very passionate about and am excited to help build with educators across the state.

#### What motivates you?



I have always been very driven by doing what's best for students. As a classroom teacher, I was able to bring a focus on social-emotional learning to our school. This was critical as it helped changed our focus from traditional grade-centric to caring about our students as people first.

[Learn more about Amber >>](#)

## Request for Proposals: Summer Undergraduate Biomedical Research Program

**Deadline: January 14, 2022; 5:00pm**

The NDSU Office of Research and Creative Activity (RCA) is seeking faculty mentors and research projects for a summer undergraduate biomedical research program. The program's participants will be undergraduate students attending colleges and universities in North Dakota. Funded by the North Dakota IDeA Network of Biomedical Research Excellence (ND INBRE), the program's goal is to expose the state's undergraduate STEM major students to careers in the biomedical sciences.

The 10-week program will run from May 31, 2022 to August 5, 2022. Participating students are expected to conduct research independently for approximately 40 hours per week, participate in weekly mentoring by faculty and project leaders, and attend workshops, trainings, and other activities organized by the RCA office. Through the funds received from the grant, the RCA office will cover the following costs for each undergraduate researcher:

- Summer positions will pay \$15/hour. It is expected that students will work 40 hours per week.
- Funds up to \$500 will be available to purchase consumable research materials and for the use of NDSU core facilities.
- Student on-campus housing will be provided for non-NDSU students who would need to relocate to Fargo for the program.

[Learn more and submit an application >>](#)

## Upcoming Seminars and Events

- **NIH R15 Program**  
[Learn more >>](#)
- **NSF and CAREER Proposal Development Program**  
Begins January 2022 / [Learn more >>](#)
- **Lunch and Discussion: ND Soybean Council**  
January 20, 2022 / [Learn more >>](#)
- **Agriculture Utilization Research Institute: New Uses Forum**  
March 23-24, 2022 / [Learn more >>](#)
- **Student Research Day**  
April 19, 2022 / [Learn more >>](#)
- **Workshop: University-Industry Partnerships in the Social Sciences**  
April 20-21, 2022 / [Learn more >>](#)



### Novelution Tip: Award & Related Documentation

Did you know you have access to your award documents in Novelution? Once your proposal has been awarded you have access to the agreement, amendments, award information sheet, and any other documents pertaining to the award.

To find the documents, log in to Novelution, search for your award, and open the record. In the Panel Shortcuts, choose the Award Details option, then simply scroll down until you find the Award & Related Documentation section.

You will see a list of documents related to award events, simply click on the hyperlink of the document you want to review to open the file. Below are screen shots to help you navigate Novelution.

For questions about Novelution, contact [ndsu.novhelp@ndsu.edu](mailto:ndsu.novhelp@ndsu.edu).

## NSF Project Reporting Requirements

The Director of the National Science Foundation (NSF) issued a notice [[No. 148](#)] to improve compliance with NSF project reporting requirements. NSF requires project reports for all grants, and takes project reporting compliance seriously. PIs have 120 days after the award end date to submit final project reports, while annual project reports are due prior to the annual performance period end date. Project reports demonstrate result-oriented accountability for grants, enhance stewardship, and ensure that the American people are receiving value for funds spent on grant programs.

All NSF grants include the U.S. Office of Management and Budget (OMB) rules set out in the Uniform Guidance ([2 CFR 200](#)). The Uniform Guidance closeout requirements (2 CFR 200.344) specify that if a recipient does not submit all reports, the Federal Awarding Agency must report the recipient's material failure to comply with the terms and conditions of the award. This report goes in the Federal Awardee Performance and Integrity Information System (FAPIIS), which is the OMB designated integrity and performance system. FAPIIS is a database established to track recipient misconduct and performance. Federal agencies review the performance and integrity information available in FAPIIS prior to recommending awards. FAPIIS records are retained for 5 years.

Contact Sponsored Programs ([ndsu.research@ndsu.edu](mailto:ndsu.research@ndsu.edu)) with questions or for assistance with project reporting.

## Programmatic Requests

Each year congressional delegations have the opportunity to submit programmatic funding requests for federal research programs. Programmatic requests are designed to add additional funding to federal agencies' budgets with the intent that a competitive funding opportunity will be released in connection with the funding increase.

NDSU's process for submitting requests for consideration is on the [RCA website](#). The deadline for FY2023 submissions to RCA is January 28, 2022.

If anyone has questions about the process or would like to discuss a potential idea, please contact [ndsuh.researchdev@ndsuh.edu](mailto:ndsuh.researchdev@ndsuh.edu).



## December Issue: Research

### Development & Grant Writing News

The December 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:

- Funding Opportunities in the Humanities
- Describing the Methodology and Work Plan in an Individual Humanities / Humanities-Related Social Sciences Proposal
- The Best Order of Research Narrative Edits
- Webinar report: NSF's Human Networks and Data Science Program

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## FUNDING OPPORTUNITIES

- [Amazon: Fairness in AI](#)
- [Caplan Foundation - Early Childhood Development](#)
- [DoD ONR: Science & Technology for Advanced Manufacturing](#)
- [DOE: Genomics-Enabled Plant Biology for Determination of Gene Function](#)
- [DOE: Systems Biology-Enabled Microbiome Research to Facilitate Predictions of Interactions and Behavior in the Environment](#)
- [FFAR: New Innovator in Food and Agriculture](#) – LIMITED
- [NARA: Major Collaborative Archival Initiatives](#)
- [NASA: Space Biology](#)
- [NIH: Understanding Place-Based Health Inequalities in Mid-Life](#)

- [NSF: CAREER](#)
- [NSF: Industry-University Cooperative Research Centers](#)
- [USDA: Equipment Grants – LIMITED](#)
- [USDA: Food and Agriculture Service Learning - LIMITED](#)

## 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](mailto:ndsu.researchdev@ndsu.edu).

If you identify a limited submission opportunity that is not on the list below, please notify [ndsu.researchdev@ndsu.edu](mailto:ndsu.researchdev@ndsu.edu).

- [DOE: Scientific Discovery through Advanced Computing - Nuclear Energy](#)  
*First to Notify*
- [USDA-NIFA: Food and Agriculture Service Learning Program](#)  
*First to Notify*
- [FFAR: New Innovator in Food and Agriculture Research Award](#)  
*Notification Deadline: 12/21/2021*
- HRSA: Enhancing Systems of Care for Children with Medical Complexity:  
[Demonstration Projects / Coordinating Center](#)  
*Notification Deadline: 12/21/2021*
- [NSF: STEM Education Postdoc Research Fellowships](#)  
*Notification Deadline: 12/21/2021*
- [USDA: Equipment Grants](#)  
*Notification Deadline: 12/21/2021*
- [HRSA: Rural Public Health Workforce Training Network Program](#)  
*Notification Deadline: 01/12/2022*
- [Retirement Research Foundation](#)  
*Notification Deadline: 01/12/2022*

- [NSF EPSCoR RII Track 4: EPSCoR Research Fellows](#)  
*Notification Deadline: 01/18/2022*
- [HRSA: Children and Youth with Special Health Care Needs Research Network](#)  
*Notification Deadline: 01/19/2022*

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](mailto: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](mailto:ndsu.researchdev@ndsu.edu).

### Amazon: Alexa Fairness in AI

Alexa AI-Natural Understanding's (NU) mission is to build and enable engaging, world-class conversational AI capabilities that are broadly accessible. Under this [call for proposals](#), Amazon Science is seeking to fund research projects on the following topics:

- transparency, explainability, and accountability in AI systems;
- theories of computational / algorithm fairness and factors that affect algorithmic trustworthiness;
- detecting and ameliorating adverse biases in data and algorithms, and fairness-aware design of algorithms; and / or

- metrics and methods for designing, piloting, and evaluating systems that mitigate against adverse biases and ensure fairness, including the use of human-machine collaboration and decision support.

Proposals will be reviewed for the quality of their scientific content, creativity, and their potential for impact at scale. Proposals related to theory, practice, and novel new techniques are all welcome.

*Deadline: January 21, 2022*

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## **Caplan Foundation for Early Childhood Development**

The Caplan Foundation for Early Childhood supports development projects and promising research with the potential to significantly enhance the physical and mental health, safety, nutrition, play, social integration, and / or quality of life of children, from birth through seven years of age.

To that end, the Foundation is [inviting Letters of Intent](#) in the following categories:

**Early Childhood Welfare:** According to the foundation, children can only reach their full potential when all aspects of their development — intellectual, emotional, and physical — are optimally supported. Providing a safe and nurturing environment is essential, as is imparting the skills of social living in a culturally diverse world. To that end, the Foundation supports projects that aim to perfect child-rearing practices and identify models that can provide creative, caring environments in which all young children thrive.

**Early Childhood Education and Play:** Research shows that children need to be stimulated as well as nurtured early in life if they are to succeed in school, work, and life. That preparation relates to every aspect of a child’s development and everywhere a child learns — at home, in childcare settings, and in preschool. The Foundation aims to improve the quality of both early childhood teaching and learning, through the development of innovative curricula and research-based pedagogical standards, and the design of imaginative play materials and learning environments.

**Parenting Education:** The Foundation supports programs that teach parents about developmental psychology, cultural child-rearing differences, pedagogy, issues of health,

and prenatal care and diet, and programs that provide both cognitive and emotional support to parents.

*Letter of Intent deadline: January 31, 2022*

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## **DoD ONR: Science & Technology for Advanced Manufacturing Projects**

The focus of this Broad Agency Announcement (BAA) [[N00014-22-S-B002](#)] is primarily on projects that continue to advance the systems engineering approach needed for the design, fabrication, and manufacture of structural components to address challenges in system weight, performance, affordability, and / or survivability. The foundation of this approach should include the integration of materials information, captured in computational tools, with engineering product performance analysis and manufacturing-process simulation termed commonly as Integrated Computational Materials Engineering (ICME). From this foundation it is expected the integration of manufacturing process information and product performance information utilizing the full range of engineering and analytical tools, processes, and principles to improve efficiency and effectiveness of their integrated approach. The intent is to bring together materials designers, materials suppliers, product designers, and manufacturers to collaborate on the design, production, and commercialization of novel affordable, manufacturable systems. Projects may include basic and applied research, technology and component development, and prototyping, but may also focus on manufacturing supply-chain technical support and integration, workforce development, and manufacturing education.

**Prior to preparing proposals, potential offerors are strongly encouraged to contact the ONR technical point of contact identified for this program.**

*This BAA will remain open through November 30, 2022*

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## **DOE: Genomics-Enabled Plant Biology for Determination of Gene Function**

The overarching goal of this Funding Opportunity Announcement (FOA) [[DE-FOA-0002601](#)] is to address the challenges and opportunities in associating gene(s) to function (i.e., genotype to phenotype) in plant systems of relevance to the Biological and Environmental Research (BER) mission in energy and the environment. Specifically, this FOA seeks applications that employ systems biology and high throughput approaches to elucidate and validate the functional roles of genes, gene families, and associated pathways related to physiological and metabolic processes such as CO<sub>2</sub> sequestration and below-ground storage; nutrient and water use efficiency; tolerance and / or resistance to abiotic stresses such as drought and temperature extremes; developmental processes critical to enhanced biomass yield and optimization or extension of growth range; and metabolism of oils and fatty acids for biofuels and bioproducts.

*Pre-application deadline: January 14, 2022; 4pm*

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## **DOE: Systems Biology-Enabled Microbiome Research to Facilitate Predictions of Interactions and Behavior in the Environment**

The Department of Energy (DOE) Office of Science (SC) program in Biological and Environmental Research (BER) is soliciting applications for research within the Biological System Science Division (BSSD) Genomic Science Program ([GSP](#)) mission-space. This funding opportunity announcement [[DE-FOA-0002602](#)] solicits applications for basic research that will fundamentally enhance or transform our understanding of microbial processes in terrestrial ecosystems. Of interest to the Program are interdisciplinary projects grounded in holistic, systems-level approaches to understand microbial community interactions and biogeochemical cycling. Specifically, the Program seeks to elucidate fundamental principles that advance our understanding of regulatory, metabolic, and signaling networks among microbes, in microbe-plant interactions, the cycling and long-term storage or sequestration of carbon in soils, and the biogeochemical conversion of other elements, including nutrients, particularly as they relate to rapidly changing environmental conditions.

*Pre-application deadline: January 14, 2022; 4pm*

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## **FFAR: New Innovator in Food and Agriculture Research Award**

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.

**FFAR New Innovator : Notify RCA by 12/21/2021, 4:00 p.m. if you are interested in submitting to this program.**

In anticipation of the FY22 request for applications being released in January 2022 for an early March deadline, we are soliciting notifications of interest for the Foundation for Food & Agriculture Research (FFAR) New Innovator in Food & Agriculture Research Award. This Award provides early-career scientists the investment needed to propel them into successful research careers. These awards allow the grantees to focus exclusively on research without the pressure of securing additional funding.

Based on the FY21 RFA, eligible faculty members are in the first three years of their scientific career, and preference is given to those who are within eight years of receiving their Ph.D. *Faculty with significant research experience prior to obtaining a faculty position will not be considered.* Eligible candidates must also conduct research that aligns with one of the FFAR Challenge Areas.

FFAR Challenge Areas:

- Advanced Animal Systems
- Health-Agriculture Nexus
- Next Generation Crops
- Soil Health
- Sustainable Water Management
- Urban Food Systems

**LIMITED SUBMISSION:** Institutions may submit one nominee to this program.

## NARA: Major Collaborative Archival Initiatives

The National Historical Publications and Records Commission (NHPRC) of the National Archives supports projects that promote access to America's historical records to encourage understanding of our democracy, history, and culture. For this [funding opportunity](#), the NHPRC seeks projects that will significantly improve public discovery and use of major historical records collections.

All types of historical records are eligible, including documents, photographs, born-digital records, and analog audio and moving images. Projects may focus on broad movements in U.S. history, such as law, politics, social reform, business, military, the arts, and other aspects of the national experience, or on the papers of individual figure(s) in American history. **Collections that center the voices and document the history of Black, Indigenous, and People of Color are especially welcome.** With the 250th anniversary of the Declaration of Independence approaching, the Commission is especially interested in projects that promote discovery and access to collections that explore the ideals behind our nation's founding and the continuous debate over those ideals to the present day.

Major Collaborative Archival Initiatives projects **must be collaborations among multiple institutions** that undertake either of these two eligible activities to:

- digitize and publish online historical records as a “virtual” collection around a common theme, organization, or important historical figure(s); or
- create and test new tools and methods for the archival field to enhance public access, especially for born-digital records.

Projects that actively engage the public in the work of the project will be more competitive.

**Cost sharing is required for this program.**

*Optional draft deadline: April 1, 2022*

*Application deadline: June 8, 2022*

## **NASA: Space Biology**

The NASA Space Biology (SB) Program has released two new program elements in the NASA Research Opportunities in Space and Earth Sciences (ROSES) 2021 [solicitation](#).

[E.9 Space Biology: Plant Studies](#) specifically solicits proposals for investigations that characterize how plants respond to stressors in spaceflight or spaceflight-like environments.

[E.11 Space Biology: Animal Studies](#) specifically solicits proposals for investigations that characterize how animal respond to stressors in spaceflight or spaceflight-like environments.

*Deadline: February 1, 2022*

## **NIH: Understanding Place-Based Health Inequalities in Mid-Life**

The purpose of this Funding Opportunity Announcement (FOA) [\[RFA-AG-23-004\]](#) is to support research that uncovers potential modifiable explanations about how “places” (e.g., countries, U.S. Census regions, states, counties, neighborhoods, and locations across the urban-rural continuum) are related to morbidity and mortality among middle-aged adults in order to inform policy responses to address poor mid-life health and health disparities. Specifically, this FOA will support studies that:

1. clarify social, economic, behavioral, and institutional explanations for place-based health disparities (levels and trends),
2. examine intersections between place and sociodemographic characteristics (e.g., gender, race, ethnicity) to better understand and address processes driving other health disparities, and / or
3. include data collection and data enhancements to support 1 and 2.

*Deadline: March 3, 2022*

## **NSF: Faculty Early Career Development Program**

*CAREER*: The Faculty Early Career Development (CAREER) Program [[NSF 20-525](#)] is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of early-career faculty who have the potential to serve as academic role models in research and education and to lead advances in the mission of their department or organization. Activities pursued by early-career faculty should build a firm foundation for a lifetime of leadership in integrating education and research. NSF encourages submission of CAREER proposals from early-career faculty at all CAREER-eligible organizations and especially encourages women, members of underrepresented minority groups, and persons with disabilities to apply.

*RCA is offering an NSF and CAREER Proposal Development Program during the 2022 Spring Semester. [Learn more >>](#)*

*NSF CAREER deadline: July 25, 2022*



## **NSF: Industry-University Cooperative Research Centers (IUCRC)**

The IUCRC [[NSF 20-570](#)] program provides a structure for academic researchers to conduct fundamental, pre-competitive research of shared interest to industry and government organizations. These organizations pay membership fees to a consortium so that they can collectively envision and fund research, with at least 90% of Member funds allocated to the direct costs of these shared research projects.

IUCRCs are formed around research areas of strategic interest to U.S. industry. Industry is defined very broadly to include companies (large and small), startups and non-profit organizations. Principal Investigators form a Center around emerging research topics of current research interest, in a pre-competitive space but with clear pathways to applied research and commercial development. Industry partners join at inception, as an existing Center grows or they inspire the creation of a new Center by recruiting university partners to leverage NSF support. Government agencies participate in IUCRCs as Members or by partnering directly with NSF at the strategic level.

Universities, academic researchers, and students benefit from IUCRC participation through the research funding, the establishment and growth of industry partnerships, and

educational and career placement opportunities for students. Industry Members benefit by accessing knowledge, facilities, equipment, and intellectual property in a highly cost-efficient model; leveraging Center research outcomes in their future proprietary projects; interacting in an informal, collaborative way with other private sector and government entities with shared interests; and identifying and recruiting talent. NSF provides funding to support Center administrative costs and a governance framework to manage membership, operations, and evaluation.

Successful IUCRCs require:

- a capable research / management team with an entrepreneurial mindset;
- universities, faculty, and students interested in engaging in research of interest to industry; and
- a community of industry partners seeking pre-competitive, use-inspired research projects.

Each IUCRC is expected to grow and become independently sustainable by the end of the NSF support.

*Pre-proposals are required for planning proposals. Pre-proposals are due March 9, 2022.*

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## **USDA: Equipment Grants – Limited Submission**

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.

**USDA Equipment: Notify RCA by 12/21/2021, 4:00 p.m. if you are interested in submitting to this program.**

In anticipation of the FY22 request for applications (RFA) being released in January 2022 for a March deadline, we are soliciting notifications of interest for the USDA-NIFA Equipment Grant Program (EGP).

Based on the FY21 RFA, the EGP serves to increase access to shared-use special purpose equipment / instruments for fundamental and applied research for use in the food and agricultural sciences programs at institutions of higher education, including State Cooperative Extension Systems. The program seeks to strengthen the quality and expand the scope of fundamental and applied research at eligible institutions, by providing them with opportunities to acquire one major piece of equipment / instruments that support their research, training, and extension goals and may be too costly and / or not appropriate for support through other NIFA grant programs.

The EGP does not support the acquisition of suites of equipment to outfit research laboratories / facilities or to conduct independent experiments simultaneously. Similarly, the EGP does not fund common, general purpose ancillary equipment that would normally be found in a laboratory and / or is relatively easily procured by the organization or through other NIFA grant programs. Rather, it is intended to help fund items of equipment that will upgrade infrastructure. Moreover, EGP does not fund research projects, including research that uses the equipment acquired with support from the program nor does it support the operation and maintenance of facilities.

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## **USDA: Food and Agriculture Service Learning Program – Limited Submission**

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.

**USDA Equipment: Notify RCA if you are interested in submitting to this program. Approval to submit will be given to the first to notify. The USDA deadline is January 31, 2022.**

The purpose of the [Food and Agriculture Service Learning Program](#) is to increase the knowledge of agricultural science and improve the nutritional health of children. The program's goal is to increase the capacity for food, garden, and nutrition education within host organizations or entities, such as school cafeterias and classrooms, while fostering higher levels of community engagement between farms and school systems by bringing together stakeholders from distinct parts of the food system. The initiative is part of a broader effort to not only increase access to school meals for low-income children, but also to dramatically improve their quality.

**LIMITED SUBMISSION:** Multiple submissions are not allowed.

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## NIH R15 Program

RCA is developing a workshop to assist faculty in writing competitive proposals to the NIH Academic Research Enhancement Award (AREA) Program. Information on the NIH R15 program can be found on the [NIH website](#). *Please note that NDSU is not currently eligible for the NIH REAP program.*

Faculty interested in applying or resubmitting to this program in 2022 should complete [this form](#) – the brief survey will allow us to ensure that the workshop covers the topics that will be most useful for attendees.

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## NSF and CAREER Proposal Development Program 2022 Spring Semester

This program is designed to assist faculty in writing proposals to the National Science Foundation. All sessions will be held during spring semester 2022. There are two tracks:

### Track A: First NSF Proposal or Proposal Re-submissions

This series of sessions are primarily for faculty who have not written an NSF proposal or have not had a successful NSF proposal submission. This track would also be useful for

faculty applying to the NSF CAREER program in Summer 2023 or 2024.

### **Track B: NSF CAREER 2022**

This series of sessions is for faculty that will be submitting an NSF CAREER proposal in Summer 2022.

[Learn more, see the full schedule, and apply to participate >>](#)

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## **Lunch and Discussion with ND Soybean Council**

**January 20, 2022 | 11:00am-12:30pm**

On Thursday, January 20, from 11am – 12:30pm come to the Hidatsa Room in the Memorial Union to meet with staff from the North Dakota Soybean Council. At this event you will learn more about the “New Uses” Request For Proposals (RFP) that will be released at the start of the new year, and the current trends in the industry. The event will start with a short presentation from the ND Soybean Council on the RFP, the application process, and the proposal review process. The presentation will be followed by time for lunch and discussion. Lunch will be provided, and registration is necessary to get a count for ordering lunch. [Register to attend >>](#)

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## **Agriculture Utilization Research Institute: New Uses Forum**

**March 23-24, 2022 | Minneapolis, MN**

The Agriculture Utilization Research Institute ([AURI](#)) and its partners, Compeer Financial and Georgetown University’s Rural Opportunity Initiative, invite you to save the date for the 4th New Uses Forum. The event will be held in Minneapolis on March 23rd - 24th, 2022.

The 2-day forum will feature talented speakers with in-depth knowledge and real-world experience in areas related to entrepreneurship, innovation, development and investment in the food and agriculture sector.

The New Uses Forum will be a hybrid event with in-person and virtual options. Please watch for more information as it becomes available.

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# STUDENT RESEARCH DAY

Save the Date  APRIL 19, 2022

**April 19, 2022**

**NDSU Student Research Day** is a new event involving a collaboration between **NDSU EXPLORE**, **Gamma Sigma Delta**, and the **Graduate Student Council**. We are excited to bring together what once was three separate events into one day of celebrating undergraduate and graduate student research and creative projects.

**Please plan to join us on April 19, 2022 in the Memorial Union.**

Watch for more information on registration and event details in early 2022.

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## **Workshop: University-Industry Partnerships in the Social Sciences**

**April 20-21, 2022 | College Park, MD**

The **University of Maryland, College Park**, in partnership with [UIDP](#) and with support from the [National Science Foundation](#), as well as [MITRE](#), [Optimal Solutions Group](#), [SAGE Publishing](#), the [Consortium of Social Science Associations](#), and the [Federation of Associations in Behavioral & Brain Sciences](#), is **hosting this workshop April 20-21, 2022, at The Hotel at the University of Maryland**. Join experts and leaders from academia, industry, and government to consider how academic-corporate partnerships can advance social, behavioral, and organizational science research to positively impact science and society. This event will complement the virtual workshop held on October 14, 2021 ([see recording and materials](#)).

[Learn more and register >>](#)

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

[Contact Us](#)



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*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.*