

September 13, 2021

NDSU associate professor collaborates with Wisconsin Anishinaabe tribe on archeological project and field school

NDSU associate professor of anthropology John Creese has been working with heritage professionals from the Red Cliff Band of Lake Superior Chippewa Nation and the University of Wisconsin-La Crosse, to survey and document ancient Indigenous village sites on tribal lands in Wisconsin. The group, working under the authority and direction of the Red Cliff Tribal Historic Preservation Office, has uncovered and catalogued hundreds of historical belongings that will be cared for by the tribe over the long term, while promoting a model of archeology that is conducted by, with, and for Indigenous peoples.



John Creese, PhD

Called the Gete Anishinaabeg Izhichigewin Community Archaeology Project, Creese and Heather Walder, an archaeology lecturer from the University of Wisconsin-La Crosse have collaborated with Mr. Marvin DeFoe, Red Cliff's Tribal Historic Preservation Officer, on the project over the past three years. The archeological survey and field school aims to uncover artifacts and settlement sites related to the rich history of the Anishinaabeg, or Ojibwe people, within what is today the Red Cliff Reservation. Funded in part by Wisconsin Humanities, the project is one of only

13 award recipients nationwide to receive a Tribal Heritage Grant from the Department of Interior National Park Service.

The project connects community members and students with culture through hands-on opportunities to share and learn at the excavation.

"I feel hugely fortunate and privileged to be a part of this project. Red Cliff is leading the way in putting archaeological research to work to advance the Nation's interests through research, education programming, and heritage management; fundamentally, it's about using the tools of archaeology to support Indigenous self-determination, and they're doing that."

[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](#).

Kelsey Slater, PhD

Health, Nutrition, and Exercise Science (Sport Management)

What are your primary research and scholarly interests?

Sports Diplomacy and Sport and New Media

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

I'm originally from Stroudsburg, Pennsylvania, and completed my bachelors degree in political science and environmental studies at Lafayette College. I completed my Masters and PhD in Kinesiology with a concentration in sport studies from Mississippi State University.



What excites you about NDSU?

I am excited to be part of a department that is growing and where I get to be a part of developing strong students in sport management.

What motivates you?

I am motivated by my colleagues as well as my own internal motivation for greater knowledge. I pursue research projects to find answers that will hopefully contribute to society and future researchers

[Learn more about Kelsey >>](#)



Neil Dyer, DVM

Neil Dyer named to role on North Dakota State Board

NDSU attending veterinarian Neil Dyer, DVM, has been named consulting veterinarian for the North Dakota Board of Animal Health. Housed within the North Dakota Department of Agriculture, the Board is composed of veterinarians and animal experts from across the state. The group meets quarterly to address issues and enforce policy related to the animal industry, auction markets and brand inspection in the state. Congratulations, Neil!



Friday, September 24, 2021 | 12-2:30pm

The NDSU President's Council for Campus Well-being ([PCCW](#)) and the Office of Research and Creative Activity (RCA) are sponsoring a mental health research symposium designed to support scholars in developing collaborations and seeking avenues of funding for research development.

The symposium will include a panel presentation over lunch by three different researchers followed by a poster session.

Panelists:

Erika Berg, PhD - Associate Professor, Animal Sciences
Horses as Partners in Mental Health Treatment

Joel Hektner, PhD - Professor and Head, Human Development and Family Science
Connecting Teens at Risk to Mental Health Care: The Student Wellness Facilitator Program

Leah Irish, PhD - Associate Professor, Psychology
Sleep-Related Decisions and their Impact on Health and Well-Being

[Learn more and register to attend >>](#)

If you have any questions, please contact Dr. Christina Weber (christina.d.weber@ndsu.edu) or Dr. Christi McGeorge (Christine.mcgeorge@ndsu.edu).



Congratulations to all award recipients from July and August!

View the complete list online:

- July 2021: [PDF](#) | [Excel](#)
- August 2021: [PDF](#) | [Excel](#)

The awards listed are externally funded projects. Each month one of the RCA Updates will include prior month

awards.

[See Award Reports from previous months >>](#)

Upcoming Workshops and Events

- **September Science Café**
September 14, 2021 / [Learn more >>](#)
 - **Virtual Information Session: Dakota Cancer Collaborative on Translational Activity (DaCCoTA)**
September 15, 2021 / [Learn more >>](#)
 - **Virtual Workshop: U.S. Customs and Border Protection - Import / Export of Biological Shipments**
September 28, 2021 / [Learn more >>](#)
 - **Virtual Workshop: Alan Alda Center for Communicating Science**
September 28, 2021 / [Learn more >>](#)
 - **NSF Virtual Grants Conference**
October 4-8, 2021 / [Learn more >>](#)
 - **Virtual Workshop: University-Industry Partnerships in the Social Sciences**
October 14, 2021 / [Learn more >>](#)
 - **DEPSCoR Day at USD**
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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.

- [NIH R25: Genome Research Experiences to Attract Talented Undergraduates into the Genomics Field to Enhance Diversity](#)
Notification Deadline: 9/15/2021
- [VentureWell Faculty Grants](#)
Notification Deadline: 09/15/2021
- [NSF: Major Research Instrumentation \(MRI\)](#)
Notification Deadline: 9/29/2021

- [NSF: Innovations in Graduate Education](#)

Notification Deadline: 09/30/2021

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 ndsuh.researchdev@ndsuh.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 ndsuh.researchdev@ndsuh.edu.

Baxter: Detecting Microbial and Endotoxin Contamination in Aqueous Solutions

Baxter is a global Fortune 500 healthcare and medical device company that develops products to treat kidney disease, hemophilia, immune disorders and other chronic and acute medical conditions. Baxter is currently seeking applications for two open funding opportunities:

- Novel methods for detecting microbial contamination in aqueous solutions. [Learn more >>](#)
- Easy-to-use technologies for detecting endotoxins in aqueous solutions. [Learn more >>](#)

Deadline: October 31, 2021

To learn more about opportunities to partner with Baxter, register to attend a webinar on Wednesday, September 29. [Learn more >>](#)



CDC: National Institute for Occupational Safety and Health

The purpose of this R21 grant program [[PAR-18-798](#)] is to

1. develop an understanding of the risks and conditions associated with occupational diseases and injuries,
2. explore methods for reducing risks and preventing or minimizing exposure to hazardous conditions in the workplace, and
3. translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries.

The National Institute for Occupational Safety and Health (NIOSH) supports exploratory and developmental research projects (R21) that identify and address novel scientific ideas or new model systems, tools, or technologies with the potential for significant impact on occupational safety and health.

Standard dates apply; upcoming deadlines are October 16, 2021 and February 16, 2022



DARPA: Arcadia

The Defense Advanced Research Projects Agency (DARPA) Biological Technologies Office (BTO) is soliciting innovative proposals [[HR001121S0039](#)] to develop beneficial, functional biofilms capable of reducing drag, decreasing corrosion, or inhibiting black mold growth on military material. Proposed research should investigate innovative approaches that enable revolutionary advances in microbial ecology, systems modeling, or community building. Specifically excluded is research that primarily results in incremental improvements to the existing state of practice.

Abstract deadline: October 25, 2021



DoD ARI: Behavioral and Social Sciences BAA

The Army Research Institute (ARI) is the Army's lead agency for the conduct of research, development, and analyses for the improvement of Army readiness and performance via research advances and applications of the behavioral and social sciences that address personnel, organization, and Soldier and leader development issues. Programs funded under this [Broad Agency Announcement \(BAA\)](#) include basic research, applied research, and advanced technology development that can improve human performance and Army readiness.

Topic areas of interest include:

- Understanding Team Dynamics;
- Improving Leadership and Leader Development;
- Identifying, Assessing, and Assigning Quality Personnel;
- Enhancing Lifelong Learning.

This BAA is open through April 29, 2023

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DOE: Early Career Research Program

The U.S. Department of Energy (DOE) is accepting proposals for the 2022 DOE Office of Science Early Career Research Program [[DE-FOA-0002563](#)] to support the research of outstanding scientists early in their careers. The program will support over 60 early career researchers for five years at U.S. academic institutions and DOE National Laboratories.

To be eligible for the program, a researcher must be an untenured, tenure-track assistant or associate professor at a U.S. academic institution or a full-time employee at a DOE national laboratory. The applicant must also have received a Ph.D. within the past ten years. University awards average around \$750,000 for five years.

The DOE Office of Science is the Nation's largest supporter of basic research in the physical sciences. Early career researchers may apply to one of eight Office of Science program offices:

1. Advanced Scientific Computing Research;
2. Biological and Environmental Research;
3. Basic Energy Sciences;

4. Fusion Energy Sciences;
5. High Energy Physics;
6. Nuclear Physics;
7. Accelerator R&D and Production; and
8. Isotope R&D and Production.

Proposed research topics must fall within the programmatic priorities of DOE's Office of Science, which are provided in the program announcements.

Pre-Application deadline: October 21, 2021; 4pm



EREF: Sustainable Waste Management

The Environmental Research and Education Fund (EREF) is accepting pre-proposals related to sustainable solid waste management practices and pertaining to the following topic areas:

1. Waste minimization;
2. Recycling;
3. Waste conversion to energy, biofuels, chemicals or other useful products. This includes, but is not limited to, the following technologies:
 - Waste-to-energy;
 - Anaerobic digestion;
 - Composting;
 - Other thermal or biological conversion technologies;
4. Strategies to promote diversion to higher and better uses (e.g. organics diversion, market analysis, optimized material management, logistics, etc.); and
5. Landfilling.

Desirable aspects of the above topics, in addition to or as part of hypothesis driven applied research, also include: economic or cost / benefit analyses, feasibility studies for untested technologies or management strategies, life cycle analysis or inventory, and analyses of policies that relate to the above.

Note that EREF defines solid waste to include:

- municipal solid waste (e.g. residential, commercial, institutional);

- construction and demolition debris;
- certain industrial wastes (e.g. exploration & production waste, coal ash); and
- other wastes typically managed by the solid waste industry or generated by the public not included in the above items (e.g. electronic waste, disaster debris, etc).

Agricultural wastes (that aren't handled by the waste industry), nuclear waste, and land applied wastewater treatment sludge are generally not included in this definition.

Pre-proposal deadlines: December 1, 2021 and May 1, 2022

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National Endowment for Financial Education

The National Endowment for Financial Education (NEFE) provides funding for rigorous, innovative and actionable research that seeks to improve the public's financial well-being and has the potential to make a profound contribution to the field of financial education. NEFE welcomes original research questions and replication studies that aligns with their funding priorities. Research projects must use rigorous empirical and / or theoretical analysis. Original data is welcome but not required.

The NEFE grant cycle is open to all eligible concepts, but preference is given to well-designed projects that align with the following four topic areas:

- **Measurement:** Studies that re-evaluate current financial literacy metrics and how financial literacy, behavior, perception, knowledge and skill can be measured more effectively.
- **Systemic Inequality:** Studies that investigate knowledge, skill and wealth disparities, especially among populations that are statistically more likely to experience systemic barriers to improving their financial well-being.
- **Data and Methodological Limitations:** Studies that examine bias—specifically as it pertains to personal finance— to help our field identify knowledge gaps and to strengthen research data and design by including traditionally less heard voices.
- **Youth Focus:** Studies that examine inconsistencies in exposure to financial education among youth in the U.S. as well as variations in financial socialization and education within family units.

Find more detailed information about NEFE [funding priorities](#).

Letter of Inquiry deadline: November 15, 2021

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NEH: Collaborative Research

The [Collaborative Research program](#) aims to advance humanistic knowledge through sustained collaboration between two or more scholars. Collaborators may be drawn from a single institution or several institutions across the United States; up to half of the collaborators may be based outside of the U.S. The program encourages projects that propose diverse approaches to topics, incorporate multiple points of view, and explore new avenues of inquiry in the humanities.

The program allows projects that propose research in a single field of study, as well as interdisciplinary work. Projects that include partnerships with researchers from the natural and social sciences are encouraged but must employ a humanistic research agenda. Partnerships among different types of institutions are welcome as well as new collaborations with international partners.

Proposed projects must aim to result in tangible and sustainable outcomes, for example, co-authored or multi-authored books; born-digital publications; themed issues of peer-reviewed journals; a series of peer-reviewed articles; and open-access scholarly digital resources. All project outcomes must incorporate interpretive work and collaboration to address significant humanities research questions.

The 2021 application guidelines will be available October 1, 2021. The 2020 application guidelines are currently available for planning purposes.

Deadline: December 1, 2021

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NSF: Emerging Frontiers in Research and Innovation – Engineering Living Systems and Brain-Inspired Dynamics for Engineering Energy-Efficient Circuits and Artificial Intelligence

The National Science Foundation (NSF) Emerging Frontiers in Research and Innovation (EFRI) program of the NSF Directorate for Engineering (ENG) serves a critical role in helping ENG focus on important emerging areas in a timely manner. This solicitation [[NSF 21-615](#)] is a funding opportunity for interdisciplinary teams of researchers to embark on rapidly advancing frontiers of fundamental engineering research. For this solicitation, NSF will consider proposals that aim to investigate emerging frontiers in one of the following two research areas:

- Engineered Living Systems (ELiS)
- Brain-Inspired Dynamics for Engineering Energy-Efficient Circuits and Artificial Intelligence (BRAID)

This solicitation will be coordinated with the Directorate for Biological Sciences (BIO), the Directorate for Computer and Information Science and Engineering (CISE), the Directorate for Mathematical and Physical Sciences (MPS), the Directorate for Geosciences (GEO), and the Directorate for Social, Behavioral and Economic Sciences (SBE), along with Air Force Office of Scientific Research (AFOSR), Department of Defense - Defense Threat Reduction Agency (DTRA), and the National Aeronautics and Space Administration (NASA).

EFRI seeks proposals with potentially transformative ideas that represent an opportunity for a significant shift in fundamental engineering knowledge with a strong potential for long term impact on national needs or a grand challenge.

Letter of Intent deadline: November 10, 2021

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NWS: Collaborative Science, Technology, and Applied Research

Through the Collaborative Science, Technology, and Applied Research (CSTAR) Program [[NOAA-NWS-NWSP0-2022-2006968](#)], the National Weather Service (NWS) Office of Science and Technology Integration (OSTI) is soliciting proposals to conduct research and development activities. The CSTAR Program represents an NWS effort to create a cost-effective transition from basic and applied research to operations and services through collaborative research between operational forecasters and academic institutions which have expertise in the environmental, social and behavioral sciences. These activities will engage university researchers and students in applied research of interest to the operational meteorological community. The focus of this announcement is on research

and development topics related to the improvement of weather, water, and climate services to historically underserved and socially vulnerable communities.

Letter of Intent deadline: September 30, 2021

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September Science Café

September 14, 2021 | 7:00pm

The topic of the next Science Café is "COVID-19: Not the First Pandemic, So Why So Much Misinformation and Confusion?" Presented by Andrew "Mazz" Marry, associate professor of biosciences at Minnesota State University Moorhead, this session will take place at 7pm on Tuesday, September 14, 2021, at Wild Terra Cider, located at 6 12th Street North in Fargo. [Learn more >>](#)

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Virtual Information Session:

Dakota Cancer Collaborative on Translational Activity

September 15, 2021 | 12:00pm

The Professional Development Core (PDC) of the Dakota Cancer Collaborative on Translational Activity ([DaCCoTA](#)) will be hosting a virtual information session to promote their mission and offer assistance to prospective applicants. The agenda includes:

- Meet the Professional Development Core Staff and Awardees
- Learn about the Collaborative's Mission
- Discover Grant Opportunities
- Improve NIH R21 Grantwriting Skills

Zoom Link: <https://usd.zoom.us/j/95060719359>

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U.S. Customs and Border Protection: Pembina Virtual Biologic Workshop

September 28, 2021

U.S. Customs and Border Protection is hosting [this event](#) to explore the requirements for international importation and exportation of biological shipments for testing and research purposes. Presenting will be representatives from several federal government agencies sharing their responsibilities and discussing regulatory requirements that must be met to import and export biologic materials.

U.S. Customs and Border Protection mission is to prevent entry and mitigate risks of biological threats to American agriculture, public health and natural resources. These threats include infectious pathogenic organisms; select agents and toxins; and living and non-living vectors that have the potential to pose a threat to public health and introduce foreign animal diseases and plant pests.

Participating Government Agencies include:

Federal Bureau of Investigation, US Food and Drug Administration, Centers for Disease Control, Customs and Border Protection, US Department of Agriculture, ND Department of Agriculture, US Fish and Wildlife Service, Federal Select Agents Program, and US Department of Transportation.

To register, contact neil.halley@cbp.dhs.gov.

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Alan Alda Center for Communicating Science: Creating Connections Virtual Workshop

September 28, 2021 | 2:00pm

The [ND EPSCoR State Office](#) is sponsoring a "Creating Connections" workshop by the Alan Alda Center for Communicating Science. "Creating Connections" is a two-hour live, online workshop. The Alda Method is a unique approach to science communication training that combines improvisational theatre-based techniques with message design strategies, including analogies and narrative. This immersive method emphasizes two-way communication to build trust and invite others to share in the wonder and joy of science. The process incorporates research and best practices from science communication, journalism, ethics, and other relevant fields. [Contact Shireen Alemadi](#) with questions about this workshop.

[Register to attend >>](#)

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NSF Virtual Grants Conference

October 4-8, 2021

The National Science Foundation (NSF) Fall 2021 NSF Virtual Grants Conference will be held during the week of October 4-8, 2021.

Registration is now open. Sessions include:

- New programs and initiatives;
- NSF directorate sessions;
- Future directions and strategies for national science policy;
- Proposal preparation;
- NSF's merit review process; and
- Conflict of interest policies.

For more information and to register, visit <https://nsfpolicyoutreach.com/>. If you have any logistical questions about this virtual conference, please contact: grants_conference@nsf.gov.

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Virtual Workshop: University-Industry Partnerships in the Social Sciences

October 14, 2021 | 10:00am-1:00pm

The University of Maryland, College Park, in collaboration with [UIDP](#) and with support from the [National Science Foundation](#), [MITRE](#), and the [Consortium of Social Science Associations](#), will host a two-part workshop, convening a diverse group of 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.

With the rapid growth of social networks over the last two decades and the corresponding availability of big data, the behavioral and social sciences have become increasingly important to the development and growth of organizations' capacity to understand and

address global challenges. The COVID-19 pandemic has underscored the importance of social science research during societal crises. Social, behavioral, and organizational science can help institutions address societal needs, and these contributions can be magnified through collaborations between academia and industry.

This virtual workshop is free, but [registration](#) is required.

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DEPSCoR Regional DoD Day

October 20, 2021 | USD, Vermillion, SD

The University of South Dakota is hosting a Department of Defense (DoD) Regional DEPSCoR Day, where DoD program managers will provide information about the Defense Established Program to Stimulate Competitive Research (DEPSCoR) program and general information about working with the DoD. For more information, please see: [DEPSCoR Regional DoD Day](#).

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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.

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