

Statewide network of STEM collaboration

The ND EPSCoR State Office develops, implements, funds, and manages an array statewide programs and activities that benefit institutions across ND. The State Office also administers several federal awards designed to broaden our state's network of STEM collaboration. This is in support of its mission to diversify ND's STEM workforce pathways, support and grow statewide STEM research capacity and competitiveness, and inform and communicate science to ND stakeholders.

The ND EPSCoR State Office is committed to broadening the STEM pathway and helping to build the capacity and capabilities of students and faculty at each of our participating institutions. Through the annual Request for Proposal (RFP) process, the ND EPSCoR State Office recently made 39 awards to researchers from nine institutions across ND. These investments further contribute to expanding the network of STEM collaboration ([see page 8](#) for more details).

In the Nurturing American Tribal Undergraduate Research and Education (NATURE) program, students virtually toured labs and conducted research this summer as a part of the Tribal College Summer Camp, Bridge Camp, and University Summer Camp. NATURE aims to improve science, technology, engineering, and mathematics (STEM) education among middle school, high school, and tribal college students, and to build a pathway for American Indians living in ND who are interested in pursuing careers in STEM disciplines. NATURE Sunday Academy begins this month, held throughout the academic year, each Tribal College hosts their local middle-high school students. Since 1999, the NATURE program has been improving STEM collaboration and strengthening the STEM pathway for American Indian students in ND.

The Students in Technology Transfer And Research (STTAR) program provides college juniors through graduate students in science, technology, engineering, and mathematics with an opportunity to use their academic training and experience to address

challenging science and technology-based problems faced by North Dakota companies. The ND EPSCoR State Office cost-shares the student salary. By expanding student skills, the economy is strengthened through a well-equipped workforce and an expanded network of STEM professionals. It is an important example of how the ND EPSCoR State Office collaborates with STEM businesses to help build a skilled workforce. Many of the STTAR-participating companies indicated they frequently hire past interns to fill permanent positions.

Through the ND-ACES (New Discoveries in the Advanced Interface of Computation, Engineering, and Science) NSF RII Track-1 cooperative agreement, students engage in research within the Center for Cellular Biointerfaces in Science and Engineering (CCBSE) helping faculty with projects that will impact the state now and in future years. Part of the ND EPSCoR State Office's mission is to help support and grow research efforts and competitiveness at participating institutions across the state. Collaborative research activities build foundational knowledge and expertise to enhance future competitiveness of faculty and students.

These are just some of the programs implemented across the state which enhance the network of STEM collaboration within ND. One example is the story of **Audrey LaVallie**, the one-time TMCC INSPIRE-ND faculty researcher turned UND INSPIRE-ND graduate student researcher, who has now attained her Ph.D. and is teaching chemistry at NHSC. You can read about LaVallie's journey and reflection on the collaborations that got her to where she is today on [page 2 of this issue](#).

I hope that you are, and will continue to be, well.

Regards,
Kelly A. Rusch, Ph.D., P.E., BCEE
ND EPSCoR Executive Director



Reflecting on collaboration: one year later with Audrey LaVallie

When we last checked in with **Audrey LaVallie** one year ago, she was in the final year of her graduate program at UND. Now she has earned her Ph.D. and is working at Nueta Hidatsa Sahnish College (NHSC), teaching chemistry and collaborating on research proposals. You can read more about her journey in part one of this series in the [October 2020 edition of News & Notes](#).

Before becoming a graduate student at UND, LaVallie was an instructor and INSPIRE-ND faculty researcher at Turtle Mountain Community College. It was her collaboration with fellow INSPIRE-ND faculty researcher, **Alena Kubátová** (UND), that encouraged her to pursue her Ph.D., eventually becoming an INSPIRE-ND graduate student researcher.

After graduating this summer, LaVallie left Grand Forks to settle into her new role as the chemistry instructor at NHSC in New Town. "I've come down to New Town and there are a number of people here from the Belcourt area and they know a lot of people that I know so it was an easy transition and I like the western part of the State," said LaVallie.

LaVallie is enjoying her new job and life after graduate school. "I couldn't believe it when I saw it, I thought oh my, they have an opening at Nueta Hidatsa Sahnish College! So I applied and sure enough got the job so that was great," said LaVallie. In part, she credits her years of experience collaborating with researchers across the state with getting her the position. "It does help knowing people. For years we would all be on the same grants. We would have NASA grants and ND EPSCoR grants and ND EPSCoR cooperative agreements, and things like that, and we would very often travel to different areas and we'd all be there," noted LaVallie. "I was on a call the other day and recognized a lot of old faces and a lot of people still working at these places and it's 'Where have you been for five years?' I told them, you know I actually went to UND and got a doctorate in chemistry!"

A recent ND State Office equipment awardee, LaVallie is settling into her new role and enjoying teaching and working with students, something she missed during her time in graduate school. "Oh yeah, I'm having a great time, I love the students and the staff and the administration are so welcoming. Really, really nice people, so I'm having a good time." LaVallie is looking forward to bringing the same collaborative experience and hands-on learning that she has benefitted from to her students.



LaVallie working in Alena Kubátová's chemistry lab while pursuing her Ph.D. at UND.

This academic year, LaVallie plans to bring her students to UND to work in Kubátová's lab to experience different kinds of instrumentation and be inspired by her own journey. "I'm going to take students down there and they're going to see what goes on in a research lab and what instruments are used. Some people are just wowed by that and then they figure hey that's for me, I could do some of this, you know," said LaVallie.



LaVallie poses with her daughter on graduation day at UND.

From instructor to student to professor, it has been a unique experience for LaVallie. She is savoring the moment and enjoying her new job at NHSC, saying, "It's a beautiful college and it's really nice."

Meet the faculty, staff, and students of ND-ACES video series

ND EPSCoR thanks ND-ACES Center for Cellular Biointerfaces in Science and Engineering (CCBSE) and PROMoting Sustainable Partnerships in Education and Research (PROSPER) faculty and students for allowing our cameras to capture their research and outreach efforts. Visit our [YouTube channel](#) to watch more of our participants talk with ND EPSCoR about teaching, research, and STEM outreach. Learn more on the [ND-ACES webpage](#), the [PROSPER webpage](#), and the [CCBSE webpage](#). The CCBSE and PROSPER are supported by the NSF ND-ACES RII Track-1 cooperative agreement, now in its second year.

ND EPSCoR is grateful to ND-ACES participants for allowing our cameras to tour their interesting STEM spaces during our participating campus visits. In September, we visited Sitting Bull College (SBC) and met with faculty and staff there.

In the first 360° video (linked in the picture below), take a virtual tour of a classroom lab at SBC with **Mafany Ndiva Mongoh** and see where students participate in NATURE Sunday Academy lessons. The video provides the 360° experience of being in a university lab environment. The 360° video tours allow the viewer to look around the research lab in any direction, creating an immersive virtual experience.



Learn more about Mafany Ndiva Mongoh in his video linked in the next column. He is a professor of Ag & Science at SBC and the NATURE coordinator. He is also a member of the ND-ACES PROSPER Broadening Participation element. You can read more about the efforts to broaden participation in our [August 2020 issue of News & Notes](#).

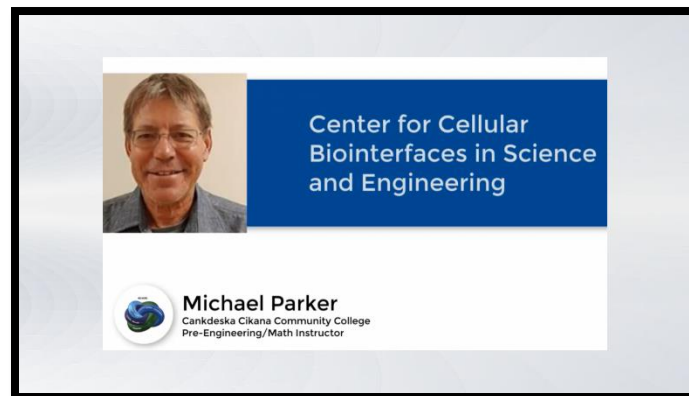
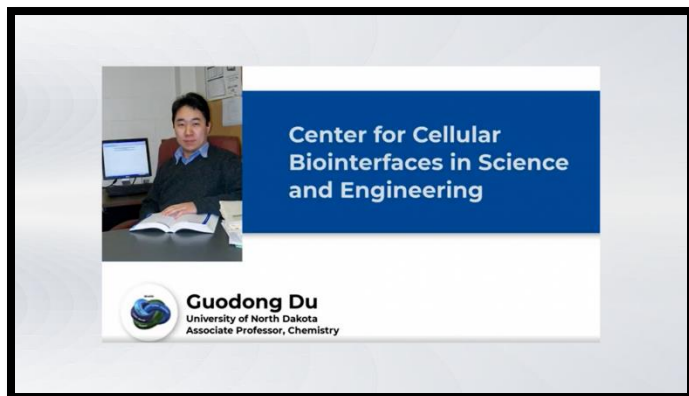


Meet some of the members of the ND-ACES Center for Cellular Biointerfaces in Science and Engineering (CCBSE) in the following videos.

Meet **Wenjie Xia** (NDSU) in the video linked below. Xia is an Assistant Professor in the Department of Civil, Construction and Environmental Engineering. Xia is also a Materials Design at Biointerfaces Pillar researcher within ND-ACES.

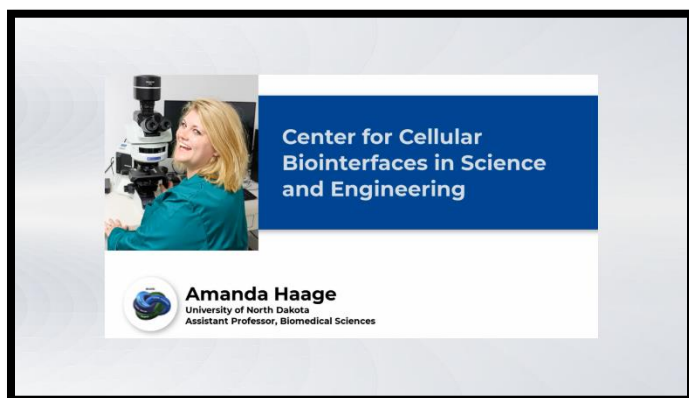


Meet **Guodong Du** (UND) in the video linked on the next page. Du is an Associate Professor of Chemistry. Du is a researcher in the Materials Design at Biointerfaces Pillar. Du will be presenting at the next ND-ACES Science Café on the topic of face masks. He will be joined by **Julia Xiaojun Zhao** (UND) and several graduate students from the UND Chemistry Department. Read more about this upcoming event on [page seven of this issue](#).



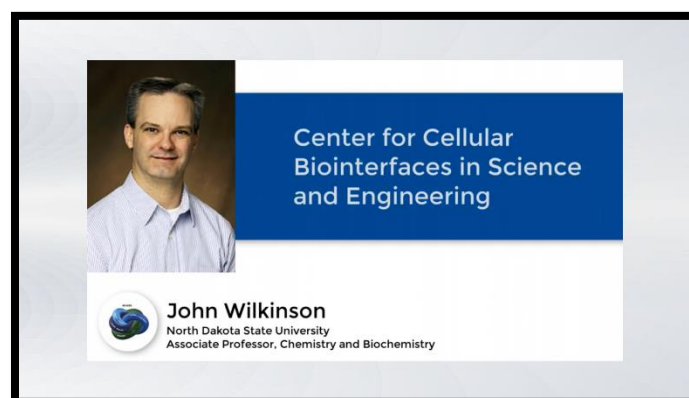
Meet **Amanda Haage** (UND) in the video linked below. Haage is an Assistant Professor of Biomedical Sciences. She is a faculty researcher in Cellular Systems at Materials Interface Pillar for ND-ACES.

Haage is also featured in the ND-ACES Lab Technique Training video series for students across the state. You can watch all of these training videos on our YouTube channel [Lab Techniques video playlist](#). This playlist and more are available on our [Videos on the Go webpage](#).

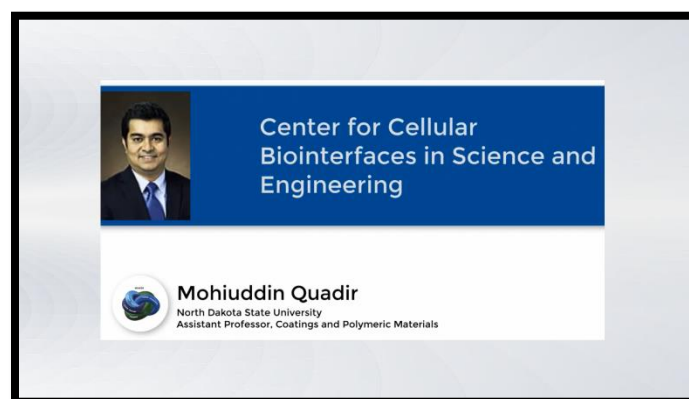


Meet **Michael Parker** (CCCC) in the video linked in the next column. Parker is a Pre-Engineering/Math Instructor. Parker is a Materials Design at Biointerfaces Pillar researcher for ND-ACES.

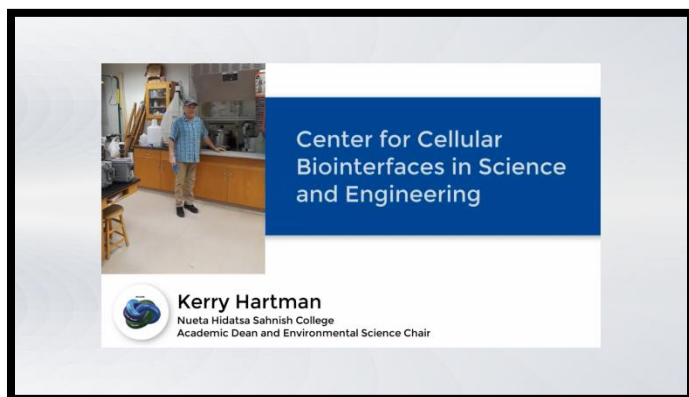
Meet **John C. Wilkinson** (NDSU) in the video linked below. Wilkinson is an Associate Professor of Chemistry and Biochemistry. He is also the NDSU Lead of the ND-ACES Cellular Systems at Materials Interface Pillar.



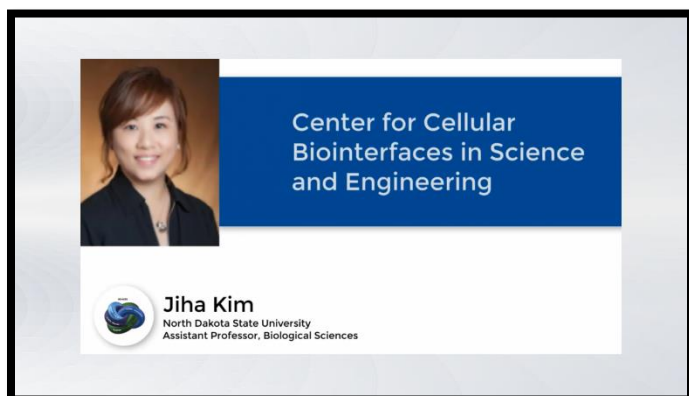
Meet **Mohiuddin Quadir** (NDSU) in the video linked below. Quadir is an Assistant Professor of Coatings and Polymeric Materials. Quadir is a faculty researcher in the ND-ACES Materials Design at Biointerfaces Pillar.



Meet **Kerry Hartman** (NHSC) in the video linked below. Hartman is the Environmental Science Chair and Academic Dean. He is also a faculty researcher in the ND-ACES Cellular Systems at Materials Interface Pillar and the NHSC NATURE Coordinator.



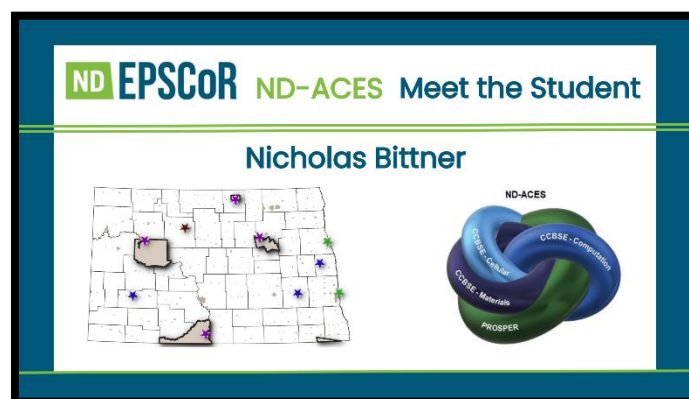
Meet **Jiha Kim** (NDSU) in the video linked below. Kim is an Assistant Professor in the Department of Biological Sciences. She is also a faculty researcher in the ND-ACES Cellular Systems at Materials Interface Pillar.



Find out more about the students behind the ND-ACES research by watching our Meet the Student video series. First, meet ND-ACES student researcher, **Lahcen Akerkouch** (NDSU) in the video linked in the next column. Akerkouch is a graduate student in the Civil, Construction and Environmental Engineering Department at North Dakota State University under the advisement of **Trung Bao Le** (NDSU). Le is a Computation, Machine Learning, and Predictive Modeling Pillar researcher for the ND-ACES cooperative agreement.



Meet ND-ACES student researcher, **Nicholas Bittner** (CCCC) in the video linked in the next column. Bittner is an undergraduate student working with his advisor, **Michael Parker**, in the ND-ACES Materials Design at Biointerfaces Pillar.

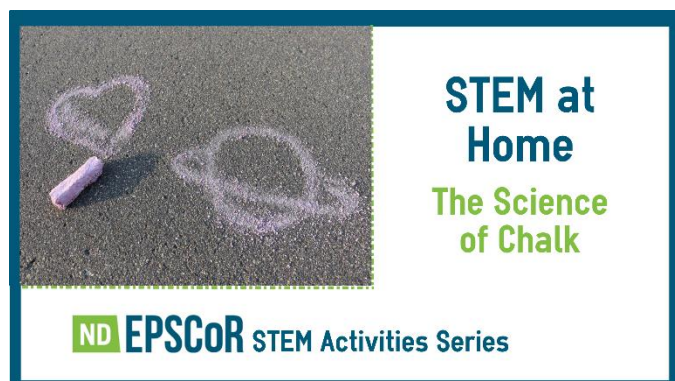


You can find out more about the faculty and students behind the ND-ACES research in our previous News & Notes editions. Videos from our prior visit to Dickinson State University in News & Notes' [November issue](#). Videos from our prior visits to North Dakota State University and the University of North Dakota can be found in News & Notes' [December issue](#). Videos from our visits to Mayville State University and Minot State University can be found in News & Notes' [January issue](#).

You can find more information about how the ND EPSCoR State Office seeks to help improve STEM education and to build a pathway for students in North Dakota who are interested in pursuing careers in STEM disciplines on our [STEM Education page](#). [Subscribe to our channel on YouTube](#) as we continue to feature ND-ACES student and faculty researchers at our participating institutions across North Dakota.

The STEM at Home video series continues

The ND EPSCoR State Office is bringing fun STEM projects to families at home via our YouTube channel. Finding engaging STEM projects for elementary students that families can facilitate is not always easy. Simple and exciting STEM projects for young students help to teach important critical thinking skills and potentially spark a lifetime interest in STEM. Our full collection of STEM project videos and shopping lists is available [here](#). Watch the two newest videos in our STEM at Home series, linked below.



Get the full shopping list for the new Science of Chalk activity [here](#).



Get the full shopping list for the new Cotton Ball Launcher activity [here](#).

Click on the images in the next column to watch the STEM at Home engineering mini-series featuring **Austin Allard**, Pre-Engineering Instructor and ND EPSCoR NATURE Coordinator at Turtle Mountain Community College. Allard is also a researcher in the ND-ACES Materials Design at Biointerfaces Pillar. [Subscribe to our YouTube channel](#) and visit our [STEM activities page](#) for shopping lists. You can also visit our [STEM Education Portal](#) and [NATURE Sunday Academy](#) pages for more

activities and lesson plans that strengthen the STEM pathway for students across ND.



CIRCLES Alliance survey and interview opportunities

In October 2020, the ND EPSCoR State Office joined five other EPSCoR states (Idaho, Montana, New Mexico, South Dakota, and Wyoming) in a National Science Foundation funded collaborative research project that forms an Alliance to connect with tribal community members within those states to gain a better understanding of each community's definition and perspective of STEM (science, technology, engineering, and mathematics). Initially, Alliance members planned to visit each tribal community, but with the COVID pandemic continuing, the Alliance has decided to continue to make virtual connections.

Using a common set of questions across the six-state CIRCLES (Cultivating Indigenous Research Communities for Leadership in Education and STEM) Alliance, participants input is being gathered through virtual interviews over Zoom or through an online survey with tribal community stakeholders to gain their perspective on how indigenous based STEM education is currently being incorporated or might be incorporated in the future, to support student STEM learning. To participate in an interview or survey, you must be 18 years or older.

The ND EPSCoR State Office has created a [link to a 90-second video](#) that describes these efforts. The anonymous online survey is [available at this link](#). Additionally, ND EPSCoR is conducting individual virtual interviews. If you would prefer to participate in an individual interview, please contact ND EPSCoR at ndepscor@ndus.edu, or call 701-231-8400.

This effort aims to foster better connections with tribal communities and support STEM educational programming. Working toward that goal, the ND

EPSCoR State Office humbly requests your assistance in completing this survey or contacting us to set up a virtual interview. The CIRCLES Alliance believes this is a particularly poignant time to reflect on observations regarding indigenous based STEM education the COVID pandemic has brought some new challenges into focus. Learn more about the [North Dakota CIRCLES effort here](#).

Events and trainings



Visit the [ND EPSCoR State Conference information page](#) often, more details to come as the event approaches.

ND EPSCoR ND-ACES Science Café Series: Masks vs. COVID-19

Zoltan Majdik (NDSU) moderates the second in the ND-ACES Science Café Series via a Zoom webinar at noon on Tuesday, October 26. This event is open to the public, [register here to join the live session](#). To access live sessions, please sign up for a Symposium account (or log in if you already have one). Learn more about the ND-ACES Science Café series [here](#).



This Science Café will feature **Julia Xiaojun Zhao** and **Guodong Du** (both UND) and their students. ND-EPSCoR ND-ACES Science Café Series: Masks vs. COVID-19. Masks have been at the center of much debate and controversy over the last 18 months. How do they prevent the spread of tiny viral organisms? Does the material they're made of make a difference? What are their properties and functions? Are terms like "nanofilters" just buzzwords, or is there more to them? In this Science Café, researchers from the ND-ACES CCBSE Materials Design Pillar use their expertise in materials design, chemistry, and nanoparticles to offer a deep-dive into these questions. Du will give an Introduction on materials used for the most commonly available masks, and Zhao will talk about the use of nanomaterials used in masks. Then, four UND Chemistry Ph.D. students: **Yingfen Wu**, **Sarah Reagen**, **Wen Sun**, and **Sandy Sun**, will talk about four types of masks.

Responsible Conduct of Research (RCR)

RCR training is available upon request to augment initial campus or Collaborative Institutional Training Initiative (CITI) RCR trainings. Please [contact ND EPSCoR](#) to schedule.

The Essentials Workshop by the Alan Alda Center for Communicating Science

The ND EPSCoR hosted *Creating Connections* by the [Alan Alda Center for Communicating Science](#) on September 28, 2021. Twenty-eight faculty, staff, and students attended from Dickinson State University, Minot State University, North Dakota State University and the University of North Dakota. The ND EPSCoR State Office is now sponsoring the next workshop in the series, *The Essentials* at 1:00 pm CDT on October 26, 2021. This workshop is open to anyone who has previously attended *Creating Connections*.

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.

If you have already attended *Creating Connections* and are interested in *The Essentials*, [email ND EPSCoR](#) to register or learn more.

How to Make Effective Academic Posters using UX/Graphic Design Hacks

Join the NSF EPSCoR Education, Outreach, and Diversity Committee at 2:00 pm CDT on October 21, 2021 for this free webinar on How to Make Effective Academic Posters using UX/Graphic Design Hacks! Featuring Mike Morrison. [Click here to register.](#)



ND EPSCoR ND-ACES and the ND EPSCoR State Office make awards

ND EPSCoR State Office makes STEM awards to participating institutions

In its Fall 2021 STEM awards, the ND EPSCoR state Office made 39 awards to nine participating institutions totaling \$716,019; including 14 equipment awards to eight campuses totaling \$459,500; three equipment repair awards to two campuses totaling \$14,944; four undergraduate research awards to two campuses totaling \$19,930; 12 preliminary data seed awards to three campuses totaling \$167,673; two K-12 outreach awards to two campuses totaling \$12,000; two awards to two campuses for the development of online/virtual modules totaling \$11,972; and two community-based STEM research awards to two campuses totaling \$30,000.

Participating campuses funding included: one award to Dickinson State University for \$40,000; two awards to Mayville State University for \$40,800; three awards to Minot State University totaling \$18,796; 13 awards to North Dakota State University totaling \$241,448; two awards to Nuetta Hidatsa Sahnish College for \$50,000; one award to Turtle Mountain Community College for \$40,000; 15 awards to the University of North Dakota totaling \$238,975; one award to United Tribes Technical College for \$40,000; and one award to Valley City State University totaling \$6,000.

[Click here for a complete list of awardees.](#) Please join the ND EPSCoR State Office in congratulating these awardees.

ND EPSCoR ND-ACES makes Emerging Areas/Seed awards

Five awards were made to support six Emerging Seed Faculty Researchers as part of the NSF EPSCoR RII Track1 New Discoveries in the Advanced Interface of Computation, Engineering, and Science (ND-ACES) cooperative agreement. Awards were made to the following faculty researchers:

- **Ali S. Alshami**, Ph.D., Associate Professor, Chemical Engineering, University of North Dakota. *Fabrication of Hierarchically Porous Slit3-Releasing PLGA/hydroxyapatite Composite Scaffold for Bone Tissue Engineering.*
- **Estelle Leclerc**, Ph.D., Associate Professor, Pharmaceutical Sciences, North Dakota State University. *Enhancing the efficacy of chemotherapeutic agents using RAGE inhibitors in innovative 3D spheroid co-cultures.*
- **Yen Lee Loh**, Ph.D., Associate Professor, Physics and Astrophysics, University of North Dakota AND **Manu**, Ph.D., Associate Professor, Biology, University of North Dakota. *Machine learning approaches to build predictive models of heterogeneous gene regulatory networks.*
- **Stefan Vetter**, Ph.D., Assistant Professor, Pharmaceutical Sciences, North Dakota State University. *Investigating the role of extracellular matrix aging in cancer cell adhesion to 3D-scaffolds.*
- **Danling Wang**, Ph.D., Assistant Professor, Electrical and Computer Engineering, North Dakota State University. *New functionalized nanocomposites based smart sensing techniques for real-time guidance of cancer treatment and early cancer detection.*

Announcing position opening

Tribal Partnerships Manager

The purpose of this position is to maximize the broader impact and effectiveness of all ND EPSCoR State Office programs through the performance of the following duties:

1. Lead, develop, maintain, and enhance strong alliances between the ND EPSCoR State Office and tribal communities within ND, including the Tribal Colleges and Universities (TCUs).
2. Lead, develop, implement, manage, and support ND EPSCoR State Office programs and initiatives for underrepresented and underserved students in ND; especially American Indians, which have the potential to

positively impact the STEM pathway for underrepresented and underserved students in ND.

3. Lead evaluation, assessment, and dissemination efforts related to all programming related to this position.

See additional details about the Tribal Partnerships Manager position [here](#). Apply online [here](#). Open until filled. [Contact the ND EPSCoR State Office](#) with any questions about this opportunity.

Funding opportunities

Funding Opportunities come from three sources:

1. The National Science Foundation (NSF)-funded New Discoveries at the Advanced Interface of Computation, Engineering, and Science (ND-ACES) RII Track-1 cooperative agreement, which consists of two broad components: 1) Center for Cellular Biointerfaces in Science and Engineering (CCBSE), which consists of three research pillars: materials design, cellular systems, and computational approaches and 2) PROMoting Sustainable Partnerships in Education and Research (PROSPER), which consists of four connected project elements: education and workforce development, broadening participation, partnerships and collaborations, and communication and dissemination.
2. ND EPSCoR State Office
3. [EPSCoR and EPSCoR-like federal funding agencies](#), which include: Department of Energy (DOE), National Aeronautics and Space Administration (NASA), National Institutes of Health (NIH), NSF, U.S. Department of Agriculture (USDA), and Department of Defense (DoD).

Track-1 ND-ACES: Doctoral STEM Teaching Assistantship NDSU/UND ONLY

Under ND-ACES, the Doctoral STEM Teaching Assistantship program is designed to: 1) increase NDSU/UND doctoral students' understanding of and experience in undergraduate STEM teaching and 2) provide course release time to the Tribal College/University (TCU), Primarily Undergraduate Institution (PUI), and Master's College/University (MCU) faculty/instructors/CCBSE researchers so that they are able to spend additional time conducting their research. The Doctoral STEM Teaching Assistantship Program is a semester-long teaching placement (during Spring 2022 or Fall 2022) that will take place at a CCBSE-participating TCU, PUI, or MCU. Under the direction of the faculty/instructor/CCBSE researcher on those

campuses, doctoral students will teach one course determined collaboratively between the doctoral student, the TCU/PUI/MCU faculty/instructor, and the institution. For more information, see the [Request for Applications](#). Please be aware of the following application deadline:

- Fall 2022 Award Dates: August 1 – December 15, 2022 / Application Due: February 28, 2022

Track-1 ND-ACES: Early Career Faculty Support

Funds are available as part of the NSF EPSCoR RII Track-1 New Discoveries in the Advanced Interface of Computation, Engineering, and Science (ND-ACES) cooperative agreement to support participating early career faculty (ECF) from any of the 10 ND-ACES institutions. Funds can be used for additional graduate students and domestic travel to assist in fast tracking research and outreach efforts within the ND-ACES Center for Cellular Biointerfaces in Science and Engineering (CCBSE) and/or PROMoting Sustainable Partnerships in Education and Research (PROSPER).

- Applications for ND-ACES-related graduate students and travel will be accepted from ND-ACES [assistant professor](#) participants at North Dakota State University (NDSU) and the University of North Dakota (UND).
- Applications for ND-ACES-related travel will be accepted from ND-ACES faculty/instructor participants at Cankdeska Cikana Community College (CCCC), Dickinson State University (DSU), Mayville State University (MaSU), Minot State University (MiSU), Nueta Hidatsa Sahnish College (NHSC), Sitting Bull College (SBC), Turtle Mountain Community College (TMCC), and Valley City State University (VCSU) who participate in the ND-ACES ECF mentoring program.

Track-1 ND-ACES: Distributed Research Experience for Undergraduates (dREU)

This ND-ACES program gives undergraduate students – from the nine participating CCBSE campuses the opportunity to work in the CCBSE alongside NSF Track-1 faculty researchers on their cutting-edge research projects. For more information, see the [Request for Applications](#). Please be aware of the following application deadline:

- Spring and Spring/Summer 2022 Application Deadline: Noon, December 1, 2021

Track-1 ND-ACES: Undergraduate Research Assistantship (URA)

This program gives current junior and senior undergraduate students pursuing a B.S. STEM degree at a four-year institution (or a two-year institution granting B.S. STEM degrees) an opportunity to perform research within the National Science Foundation (NSF)-funded New Discoveries in the Advanced Interface of Computation, Engineering, and Science (ND-ACES) Center for Cellular Biointerfaces in Science and Engineering (CCBSE). For more information please see the [Request for Applications](#). Please be aware of the following application deadline:

- Noon, December 1, 2021

ND NASA EPSCoR

[North Dakota NASA EPSCoR \(Established Program to Simulate Competitive Research\)](#) 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 sub disciplines in North Dakota.

Seed research proposals are due at noon on Nov. 9, 2021.

The full RFP, online submission form, and budget sheet can be found in the: [RFP announcement on the ND NASA EPSCoR website](#).

DoD: DEPSCoR Regional DoD Day

The Department of Defense (DoD) has asked the University of South Dakota to host a regional DEPSCoR DoD Day, where DoD program managers will provide information about the DEPSCoR program and general information about working with the DoD. The regional DEPSCoR Day will be held in Spring of 2022 in Vermillion, SD. For more information, please see:

[DEPSCoR Regional DoD Day](#)

NSF: EPSCoR Workshop Opportunities

EPSCoR is designed to fulfill NSF's mandate to promote scientific progress nationwide, and NSF EPSCoR continually welcomes proposals for workshops in Solicitation NSF 19-588. These workshops focus on multi-jurisdictional efforts of regional to national importance related to EPSCoR's goals and NSF's mission. For more information, please see the RFP: [EPSCoR Workshop Opportunities](#)

Acronyms

Participating Institutions:

- Master's College/University (MCU)
 - Minot State – Minot State University
- Primarily Undergraduate Institutions (PUIs)
 - DSU – Dickinson State University
 - Mayville State – Mayville State University
 - VCSU – Valley City State University
- Research Universities (RUs)
 - NDSU – North Dakota State University
 - UND – University of North Dakota
- Tribal Colleges/Universities (TCUs)
 - CCCC – Cankdeska Cikana Community College
 - NHSC – Nueta Hidatsa Sahnish College
 - SBC – Sitting Bull College
 - TMCC – Turtle Mountain Community College
 - UTTC – United Tribes Technical College

Funding:

- National Science Foundation (NSF) EPSCoR Research Infrastructure Improvement (RII) Track-1 Collaborative Agreements
 - ND-ACES – New Discoveries in the Advanced Interface of Computation, Engineering, and Science (NSF OIA #1946202)
- NSF Collaborative Research
 - CIRCLES Alliance - Cultivating Indigenous Research Communities for Leadership in Education and STEM Alliance (NSF OIA #2038196)
- ND EPSCoR State Office
 - STEM programing identified within the newsletter and state match funding for ND-ACES

Acknowledgement

Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

Stay in touch

Our mailing address is:

ND EPSCoR

1805 NDSU Research Park Drive N

Fargo, ND 58102

701-231-8400

www.ndepscor.ndus.edu

email: ndepscor@ndus.edu

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