A New Research Tool to Hear Adolescent Voices

NDSU associate professor of human development and family science Beth Blodgett Salafia and doctoral graduate research assistant Kerrie Leonard study adolescent body image issues. Utilizing MyVoice, a tool developed at the University of Michigan that Leonard first learned about during her time working as a research assistant, Salafia and Leonard are collecting data directly from individuals aged 14-24. MyVoice is an interactive tool built on an SMS platform that gathers the opinions and experiences of youth across America. Through real-time text message polling, MyVoice can reach adolescents quickly via a platform they are already utilizing.

"MyVoice is a great tool for reaching adolescents," commented Leonard. "Researchers can use the tool to get real-time responses on a number of youth priorities including health, nutrition, and social media. As surveys are completed privately via cellphones and respondents receive a small stipend for every opinion they share, it’s easy to get them to participate."
and many do.” MyVoice has sent nearly 300,000 text message questions to 1,551 participants across 1,142 unique Zip Codes. Participants are paid $1 a week to answer three to five open-ended questions related to a specific topic.

Leonard is currently in the second year of her PhD program. Her Master’s thesis will use the MyVoice data to focus on adolescent body image issues and the impact of social media on them. While positive social media challenges like the ALS Association ice bucket challenge exist, many others are related to specific body image ideals.

“The Kylie Jenner lip challenge directs participants to cause their lips to swell by creating a vacuum around their lips using a glass and another directs participants to measure their waists by comparing it to the width of a standard piece of A4 paper,” notes Leonard. “Yet another directs participants to show a gap between their thighs when their legs are together. Participants are directed to post the results of each challenge and use hashtags which helps to propagate them virally. Many challenges feature potentially harmful activities and a commonality across all of them relate to a specific type of idealized body image, which sets an oftentimes unachievable goal for adolescents.”

“While social media body image challenges are widespread, very little has been done to research them,” said Salafia. “With new challenges appearing constantly, MyVoice gives us the perfect platform to quickly engage with a group who are aware of them and many who have been impacted by them already.” Leonard added, “I want to help the individuals in our communities counter these potentially harmful activities. By understanding them, we can help develop defenses for the individuals who are negatively affected.”
The Office of Research and Creative Activity Welcomes Saurabhi Satam

We welcome Saurabhi as a business development and licensing associate on the Industry Engagement and Intellectual Property team. Saurabhi will be performing traditional technology transfer duties with some outreach and business development responsibilities. Saurabhi earned an MS in biotechnology from the University of Delaware and she previously served as a tech transfer intern at the University of Delaware Office of Economic Innovation and Partnership and was an adjunct faculty member in the university’s Medical and Molecular Sciences department.

Saurabhi and her dog Shifu are looking forward to exploring the Fargo area and getting to know everyone at NDSU.

New IACUC Guiding Principles

The NDSU Institutional Animal Care and Use Committee (IACUC) has two new Guiding Principles. The Biosecurity and Genetically Modified Animals Guiding Principles are located on the NDSU IACUC Guidelines.
For questions regarding NDSU IACUC guidelines please contact Dr. Neil Dyer (neil.dyer@ndsu.edu) or Josie Hayden (josie.hayden@ndsu.edu).

January 2020 IACUC Meeting Date Change
The January Institutional Animal Care and Use Committee (IACUC) meeting date has been rescheduled to January 23, 2020. The Attending Veterinarian (AV) consult deadline is January 2, 2020, and the IACUC Office submission deadline is January 9, 2020. All IACUC meeting information can be found on the IACUC website.

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.

- **Building EPSCoR-State / DOE National Laboratory Partnerships**
  Notify ndsu.researchdev@ndsu.edu by 5pm, December 18, 2019
- **NASA EPSCoR Research in North Dakota**
  Send pre-proposals to ND NASA EPSCoR by Noon, January 13, 2020
- NSF Scholarships in Science, Technology, Engineering, and Mathematics Program (S-STEM)
  Notify ndsu.researchdev@ndsu.edu by 5pm, December 20, 2019

NIH: eRA Commons Account
When an award is made under the National Institutes of Health (NIH), all faculty, staff and students involved on that project must have an eRA Commons account in order to process the NIH reporting requirements. Please contact ndsu.research@ndsu.edu to create the eRA Commons account for all NDSU personnel who are involved in the research.

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**Looking for Collaborators?**
Visit the [NDSU Scholars Database](#)

**In Search of Equipment?**
Check the [NDSU Equipment Database](#)

Need to update your profile? Click [here](#) to learn how!

**CDMRP: Breast Cancer Research Programs**
The Department of Defense office of Congressionally Directed Medical Research Programs (CDMRP) recently released pre-announcements for the Breast Cancer Research Program.

The Fiscal Year 2020 (FY20) Defense Appropriations Bill has not been signed into law. Although FY20 funds have not been appropriated, CDMRP is providing information to allow investigators time to plan and develop ideas for submission to the anticipated FY20 funding opportunities.

The following FY20 funding opportunities are anticipated:

**Breast Cancer Research Program (BCRP)**

- Breakthrough Award Levels 1 and 2
- Breakthrough Award Level 3
- Breakthrough Award Level 4
- Era of Hope Scholar Award
- Innovator Award

CDMRP also released a pre-announcement for the Amyotrophic Lateral Sclerosis Research Program.

**DOE: Building EPSCoR-State / DOE National Laboratory Partnerships - Limited Submission Program**

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.

DOE- Building EPSCoR State / National Lab Partnerships: Notify RCA by
On December 9, 2019, the U. S. Department of Energy's Established Program to Stimulate Competitive Research (EPSCoR) program announced its interest in receiving applications for building EPSCoR-State/DOE-National Laboratory Partnerships [DE-FOA-0002215]. These partnerships are to advance fundamental, early-stage energy research collaborations with the DOE national laboratories. Participation by graduate students and/or postdoctoral fellows is required. Junior faculty from EPSCoR jurisdictions are encouraged to apply. Utilization of DOE user facilities are encouraged.

Information on the DOE National Laboratories including links to websites can be found at [http://www.energy.gov/about-national-labs](http://www.energy.gov/about-national-labs). This podcast highlights the research work of [17 labs in 17 minutes](http://www.energy.gov/about-national-labs). Information on the SC User Facilities can be found at [http://science.energy.gov/user-facilities/](http://science.energy.gov/user-facilities/).

**NDSU may submit no more than 3 pre-applications as the lead organization.**

Research grant awards (typically single-investigator projects) are expected to be made for a period of two or three years at a funding level appropriate for the proposed scope.

The funding range per award is expected to be between $150,000-$250,000 per year. Cost sharing is not required.

Pre-applications will be due to ndsu.researchdev@ndsu.edu by 4pm CT on Friday, January 3, 2020. Pre-applications are due to DOE on Thursday, January 16, 2020.

**NARA: Publishing Historical Records in Documentary Editions**
The National Archives and Records Administration (NARA) National Historical Publications and Records Commission (NHPRC) seeks proposals to publish documentary editions of historical records. Projects may focus on broad historical movements in U.S. history, such as law (including the social and cultural history of the law), politics, social reform, business, military, the arts, and other aspects of the national experience, or may be centered on the papers of major figures from American history. Whether conceived as a thematic or a biographical edition, the historical value of the records and their expected usefulness to broad audiences must justify the costs of the project.

The Commission is especially interested in projects to commemorate the 250th anniversary of the Declaration of Independence. We encourage applications that use collections to examine the ideals behind the founding of the United States and the continual interpretation and debate over those ideals over the past 250 years. We welcome projects that engage the public, expand civic education, and promote understanding of the nation’s history, democracy, and culture from the founding era to the present day.

The goal of this program is to provide access to, and editorial context for, the historical documents and records that tell the American story. The NHPRC encourages projects to provide free public access to online editions. Projects that do not have definitive plans for digital dissemination and preservation in place at the time of application will not be considered. Grants are awarded to collaborative teams (including at least two scholar-editors, in addition to one or more archivists, digital scholars, data curators, and/or other support and technical staff, as necessary) for collecting, describing, preserving, compiling, transcribing, annotating, editing, encoding, and publishing documentary source materials online and in print. Eligible documentary edition projects typically focus on original manuscript or typewritten documents, but may also include other formats, such as analog audio and/or born-digital records. Because of the focus on historical documentary sources, grants do not support preparation of critical editions of published works unless such works are just a small portion of the larger project. This grant program does not support the production of film or video documentaries. For a comprehensive list of the Commission’s limitations on funding, please see What We Do and Do Not Fund.
NASA EPSCoR Research in North Dakota

In response to the FY 2020 Cooperative Agreement Notice (CAN) solicitation, the North Dakota NASA Established Program to Stimulate Competitive Research (EPSCoR) is soliciting research proposals from faculty at Affiliate Institutions specifically designed to promote and expand NASA research in North Dakota. One proposal will be selected by ND NASA EPSCoR for full submission for the CAN. Following preliminary proposal selection by ND NASA EPSCoR, the selected PI must submit an NOI by January 24, 2020 and a full proposal by March 6, 2020.


Pre-proposals must be submitted to ND NASA EPSCoR by Noon, January 13, 2020.

NDDA: Specialty Crop Block Grant Program

The North Dakota Department of Agriculture (NDDA) administers the USDA Specialty Crop Block Grant program. Specialty crops are defined as “fruits and vegetables, tree nuts, dried fruits, horticulture, and nursery crops (including floriculture).” A more comprehensive list of eligible specialty crops is at [www.ams.usda.gov/scbgp](http://www.ams.usda.gov/scbgp).
To be eligible for a grant, the project(s) **must solely enhance the competitiveness of North Dakota grown specialty crops in either domestic or foreign markets.** Projects must also benefit more than one commercial product (e.g., ABC Company brand), organization or individual.

Examples of "solely enhancing the competitiveness of specialty crops" can include: education, research, food safety, pest and plant health, marketing and promotion, and production.

To help potential applicants better understand eligibility, applicants may review projects funded previously: [View previously funded projects](#).

*Proposals are accepted until January 8, 2020, at 4pm.*

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**NIH: Research Infrastructure Development for Interdisciplinary Aging Studies (R21/R33 - Clinical Trial Optional)**

The National Institutes of Health (NIH) invites applications for the Funding Opportunity Announcement (FOA) "Research Infrastructure Development for Interdisciplinary Aging Studies" ([PAR-20-070](#)). These applications should propose to develop novel research infrastructure that will advance the science of aging in specific areas requiring interdisciplinary partnerships or collaborations. This FOA will use the NIH Phased Innovation Award (R21/R33) mechanism to provide up to 2 years of R21 support for initial developmental activities and up to 3 years of R33 support for expanded activities. Through this award, investigators will develop a sustainable research infrastructure to support projects that address key interdisciplinary aging research questions. This FOA is intended to support establishment of new interdisciplinary collaborations or development of existing interdisciplinary collaborations in significantly new directions. For existing collaborations, reviewers will evaluate closely whether the application represents a substantial development in scientific focus as opposed to simply maintaining existing
Prospective applicants are strongly encouraged to contact the Scientific/Research Contact listed in the solicitation before preparing an application to ensure that their applications are consistent with NIA program priorities, budgetary limits, and the goals of this FOA.

There are several divisions within the National Institute on Aging (NIA) which are interested in receiving applications; each has specific scientific priorities which should be addressed by these proposals. View the FOA for more information.

*Standard deadlines apply.*

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**NSF: Faculty Early Career Development Program (CAREER)**

The National Science Foundation (NSF) has issued a new solicitation ([NSF 20-525](https://www.nsf.gov)) for the Faculty Early Career Development (CAREER) Program. The CAREER program is a Foundation-wide activity that offers the NSF’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.

This premier program emphasizes the importance the Foundation places on the early development of academic careers dedicated to stimulating the discovery process in which the excitement of research is enhanced by inspired teaching, enthusiastic learning, and disseminating new knowledge. Effective integration of research and education generates a synergy in which the process of discovery stimulates learning, and assures that the findings and methods of research and education are quickly and effectively communicated in a broader context and to a large audience.
The CAREER program embodies NSF's commitment to encourage faculty and academic institutions to value and support the integration of research and education. Successful Principal Investigators will propose creative, effective research and education plans, developed within the context of the mission, goals, and resources of their organizations, while building a firm foundation for a lifetime of contributions to research, education, and their integration.

**Integration of Research and Education** - All CAREER proposals should describe an integrated path that will lead to a successful career as an outstanding researcher and educator. NSF recognizes that there is no single approach to an integrated research and education plan, but encourages all applicants to think creatively about the reciprocal relationship between the proposed research and education activities and how they may inform each other in their career development as both outstanding researchers and educators. These plans should reflect the proposer's own disciplinary and educational interests and goals, as well as the needs and context of his or her organization. Because there may be different expectations within different disciplinary fields and/or different organizations, a wide range of research and education activities may be appropriate for the CAREER program. In addition, NSF recognizes that some investigators, given their individual disciplinary and career interests, may wish to pursue an additional activity such as entrepreneurship, industry partnerships, or policy that enhances their research and education plans. Proposers are encouraged to communicate with the CAREER contact or cognizant Program Officer in the Division closest to their area of research to discuss the expectations and approaches that are most appropriate for that area.

*Application Deadline: July 27, 2020 for all Directorates*

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**NSF Scholarships in Science, Technology, Engineering, and Mathematics Program (S-STEM) - Limited Submission Program**
**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.

**NSF S-STEM**: Notify RCA by December 20, 5:00 p.m. if you are interested in applying.

A well-educated science, technology, engineering, and mathematics (STEM) workforce is a significant contributor to maintaining the competitiveness of the U.S. in the global economy. The National Science Foundation (NSF) S-STEM program ([NSF 20-526](https://www.nsf.gov)) addresses the need for a high quality STEM workforce in STEM disciplines supported by the program and for the increased success of low-income academically talented students with demonstrated financial need who are pursuing associate, baccalaureate, or graduate degrees in STEM fields.

Recognizing that financial aid alone cannot increase retention and graduation in STEM, the program provides awards to Institutions of Higher Education (IHEs) to fund scholarships and to advance the adaptation, implementation, and study of effective evidence-based curricular and co-curricular activities that support recruitment, retention, transfer (if appropriate), student success, academic/career pathways, and graduation in STEM. The S-STEM program encourages collaborations among different types of participating groups, including but not limited to partnerships among different types of institutions; collaborations of STEM faculty and institutional, educational, and social science researchers; and partnerships among institutions of higher education and business, industry, local community organizations, national labs, or other federal or state government organizations, if appropriate.

The program seeks to 1) increase the number of low-income academically talented students with demonstrated financial need obtaining degrees in S-STEM eligible disciplines and entering the workforce or graduate programs in STEM; 2) improve the education of future scientists, engineers, and technicians, with a focus on low-income academically talented students with
demonstrated financial need; and 3) generate knowledge to advance understanding of how interventions or evidence-based curricular and co-curricular activities affect the success, retention, transfer, academic/career pathways, and graduation of low-income students in STEM.

Scholars must be low-income, academically talented students with unmet financial need who are enrolled in an associate, baccalaureate or graduate degree program, with a major in an S-STEM eligible discipline.

An Institution may submit one proposal (either as a single institution or as subawardee or a member of a Collaborative Research project) from each constituent school or college that awards degrees in an eligible field.

The STEM disciplines supported by the S-STEM program include:

- Biological sciences (except medicine and other clinical fields);
- Physical sciences (including physics, chemistry, astronomy, and materials science);
- Mathematical sciences;
- Computer and information sciences;
- Geosciences;
- Engineering; and
- Technology areas associated with the preceding disciplines (for example, biotechnology, chemical technology, engineering technology, information technology, etc.)

SESYNC: Socio-Environmental Early-Career Researchers Program - Thematic Workshops
The National Socio-Environmental Synthesis Center (SESYNC) invites applications for a new series of stand-alone thematic workshops with the Socio-Environmental (S-E) Early-Career Researchers Program. “S-E Approaches” thematic workshops will provide an opportunity for early-career researchers interested in learning about S-E research and the natural, social, and actionable elements of a central theme.

This highly interactive experience will:

1. Immerse participants in theories and methods foundational to understanding current environmental challenges related to the designated theme
2. Introduce skills needed to work in collaborative research, including developing interdisciplinary questions and applying systems thinking
3. Expand professional networks through thoughtful discussions and interactions with 15–20 Early-Career Researchers and 4–6 Distinguished Scholars
4. Introduce workshop participants to other SESYNC programs and opportunities

At three stand-alone thematic workshops each year, lectures, plenary discussions, and informal conversations will illustrate how different disciplines approach a shared set of S-E problems. Activities are planned to build collaborative skills that improve teamwork with experts from different disciplines as well as stakeholders from diverse backgrounds.

Eligibility: Applicants may be doctoral candidates through early-career researchers who hold a PhD in any natural, physical, or social science discipline. Social scientists are highly encouraged to apply. All applicants must be engaged in a project related to the thematic workshop for which they apply.

Upcoming Workshop! S-E Approaches to Watershed Governance and Management
Dates: February 18–21, 2020 in Annapolis, Maryland | Submission Deadline: January 10, 2019 (5 p.m. ET)
Visit [http://sesync.us/ecrworkshops](http://sesync.us/ecrworkshops) for more information about upcoming workshops.

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**NSF Workshop to Broaden Participation in Engineering by Creating Cultures of Inclusion**

The planning committee for the NSF sponsored workshop to “Broaden Participation in Engineering by Creating Cultures of Inclusion” (EEC – 1946840) invites applications for participants who will come together to 1) create an inventory of research-based promising practices that promote inclusivity and 2) design a future research agenda around creating cultures of inclusion that will inform and enhance fundamental understandings of what cultures of inclusion look like and how to achieve them.

Both researchers and practitioners with interests in broadening participation in engineering and creating inclusive cultures in engineering are encouraged to apply.

The workshop will start on Wednesday, April 22, 2020 at 2 pm at the conclusion of the CoNECD conference in Crystal City, VA, and conclude at 2 pm Thursday, April 23, 2020. There will be some pre- and post-workshop activity, but the intent is that the majority of the work will be done at the workshop.

**Applications are due Sunday, January 26, 2020.** Participants will be selected by the planning committee and be notified no later than February 21, 2020 with additional details. A travel stipend of $500 will be offered to each selected participant.

In addition to brief background information, the application will ask for:

1. A brief statement (250 words or less) on how the applicant’s participation has the potential to advance our efforts to elucidate a set of research-based promising practices that promote inclusivity.
2. A brief statement (250 words or less) on how the applicant’s participation can contribute to designing a research agenda around creating cultures of inclusion that will inform and enhance fundamental understandings of what cultures of inclusion look like and how to achieve them.

3. A 2-page version of the applicant’s biosketch or resume.

Applications are available at: https://purdue.ca1.qualtrics.com/jfe/form/SV_enUt443WENqMh93. Please direct questions to Beth Holloway at holloway@purdue.edu.

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**December Issue of Research Development & Grant Writing News**

The December issue of [Research Development and Grant Writing News](https://purdue.ca1.qualtrics.com/jfe/form/SV_enUt443WENqMh93) is now available to view. Use your NDSU login information to access this resource. Various topics are covered, including:

- How Professors Think and The Review Process
- Humanities and Arts Funding Opportunities and News
- The Advantages of Coordinated Team Reviews of Proposal Drafts
- Highlights of the NIH Regional Seminar
- Non-Traditional Collaborations among Research Communities

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**2020 NSF ENG CAREER Proposal Workshop**

The National Science Foundation (NSF) CAREER program is a Foundation-wide activity that offers NSF’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. An [NSF CAREER Proposal Workshop](https://purdue.ca1.qualtrics.com/jfe/form/SV_enUt443WENqMh93) focused on
engineering will be held March 31 – April 2, 2020 in Arlington, Virginia. The objective of the 2020 NSF ENG Directorate Workshop is to introduce junior faculty who are interested in submitting NSF CAREER proposals to the Directorate for Engineering. The workshop aims to provide individuals with proposal development insights and a forum in which they can interact with NSF program directors and recent NSF CAREER awardees.

Workshop participation will be by invitation, based on applications, and limited to 300 participants who will be selected from the pool of applicants based on:

- applicability of the proposed research to the Directorate for Engineering,
- timeliness and completeness of the application, and
- preference given to those who have not previously attended an NSF Engineering CAREER workshop.

Please review the application page for further information.

*Application Deadline: January 6, 2020*

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**NDSU Core Biology Facility & End of the Year Promotion**

The [NDSU Core Biology Facility (CBF)](mailto:amber.chevalier@ndsu.edu) assists researchers by providing equipment and resources that might not otherwise be accessible in the standard laboratory. CBF is equipped with BD Accuri C6 flow cytometers, BD FACSJazz cell sorter, Agilent 2100 Bioanalyzer, BioTek Synergy H1 microplate reader, iBright FL 1500 imaging system, Thermo Nanodrop 2000c, and more. In addition, CBF contains the equipment and resources to perform tissue/cell culture. CBF is a reasonable fee structure-based facility with the goal of assisting and promoting research. If interested in touring the facility and/or discussing how the facility may assist your research, please contact the CBF Manager, Dr. Amber Chevalier Plambeck ([amber.chevalier@ndsu.edu](mailto:amber.chevalier@ndsu.edu), 701-231-5334).
From now until the end of the calendar year, the CBF is offering a free training session per laboratory on the Accuri C6 Flow Cytometers. This free training time will benefit laboratories that are interested in using the instruments or need a refresher on proper maintenance. Contact Dr. Chevalier Plambeck (amber.chevalier@ndsu.edu, 701-231-5334) if you are interested in this promotion.

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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