

## RCA UPDATE

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March 25, 2019

### Undergraduate Research Mentor **Charles Okigbo, Ph.D.** Communication

**Describe your research interests/program:**

My research interests are in using different data management methods such as mixed methods, content analysis, interviewing, and critical incident analysis to address pressing problems of society. My main areas of study are media contents, uses of strategic communication, and persuasion.



**How have undergraduates been involved in your research?**

Undergraduate students have been involved in data collection, data analyses, and results presentations, and research communication. In teaching Communication Research to undergraduate students, I require every student to collect primary data through surveys, personal interviews, and coding of media content. I pay particular attention to teaching undergraduate students the various ways that they can share their

research results with relevant members of the public, especially policy makers, law makers, journalists, and communication researchers.

### **What is the best thing about being an undergraduate research mentor?**

We watch students overcome their fears of failure and inadequacy as they slowly but surely advance in knowledge. Nothing succeeds better than success, and so it is important to make sure that students see themselves as successful researchers. Seeing themselves as successful knowledge creators makes us (mentors) feel fulfilled.

*Read more about Dr. Okigbo and other Undergraduate Research Mentors at NDSU >>*

## **RCA Equipment Repair Fund**

The Research and Creative Activity Office has a limited pool of funds for equipment repair. To make a request, please send an email that includes details of the equipment to be repaired, its use (departmental, college, institution-wide), and an estimate/quote of the repair cost. For departmental/unit requests, priority will be given to equipment that is used by multiple researchers and that has a match of at least 33%. For Service/Recharge Centers and Core Facilities, priority will be given to requests that have at least a 50% match. Funds must be spent **no later** than June 15, 2019.

Please submit your request to Becky Hellman Tangen ([becky.hellman@ndsu.edu](mailto:becky.hellman@ndsu.edu)).



NSF has enhanced its proposal preparation and submission site through research.gov. Research.gov provides more features than FastLane and currently non-collaborative proposals can be submitted through this site. Sponsored Programs Administration (SPA) encourages submission through research.gov due to the enhanced capabilities that it provides.

[Learn more >>](#)

[Contact SPA >>](#)

**The [Research Integrity Administrators](#) (IACUC, IBC & IRB) will be out of the office Monday, April 29-Thursday, May 1, 2019 while attending the Three I's and Biosecurity professional development conference. Please plan accordingly.**

**For questions during this time,  
contact Neil Dyer [1-7830, [neil.dyer@ndsu.edu](mailto:neil.dyer@ndsu.edu)]**



RCA subscribes to "**Research Development & Grant Writing News**," a monthly newsletter which focuses on how to compete successfully for research and education funding from federal agencies and foundations. Articles and resources address how faculty can use proven competitive strategies to achieve success in a difficult funding climate.

**The March 2019 issue is now available.**

[Read Research Development & Grant Writing News >>](#)

## **Revised Human Subjects Regulations: Exemption Category 2 – Research involving educational tests, survey or interview procedures, or the observation of public behavior**

*Find the regulatory criteria [here](#).*

Key changes to Exemption 2 include:

- Research exempted under Category 2 can involve data collection only – NO Interventions.
  - For example a study where subjects are randomly assigned to take an educational test in a quiet room or in a room with a moderate level of noise, or to consume a snack (or not) before taking the test, would not qualify under this exemption.
- Data collection can include audio and video recording.
- Research qualifying under 2(iii) – where information obtained by investigators is recorded in a way that is directly or indirectly linked to the identities of the human subjects, must undergo **limited IRB review**

to ensure the appropriate privacy and confidentiality procedures are in place.

- Research involving minors –
  - Research involving educational tests may involve minors and still be exempt if:
    - the information obtained is recorded in such a manner that subjects cannot potentially be identified (directly or indirectly), OR
    - any disclosure of the subjects responses outside the research would not reasonably place the subjects at risk.
  - Observation of public behavior will only qualify when the investigator(s) do not participate in the activities being observed.
  - Note that use of survey and interview procedures with minors still does not qualify as exempt.

For questions, please contact Kristy Shirley [1-8995 or [Kristy.Shirley@ndsu.edu](mailto:Kristy.Shirley@ndsu.edu)].

## **Significant Financial Interest (SFI) Disclosures for Grant Submissions**

If you are planning to submit a grant proposal April 29-May 2, please ensure that your Significant Financial Interest (SFI) disclosure is current. This will avoid delays in the process while the Research Integrity Administrators are out of the office. SFI disclosures are valid for 12 months. Please contact Julie Sherwood [ 1-8908, [j.sherwood@ndsu.edu](mailto:j.sherwood@ndsu.edu) ] with any questions.

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## **AHRQ: Using Data Analytics to Support Primary Care and Community Interventions (R18)**

The Agency for Healthcare Research and Quality (AHRQ) invites applications [\[RFA-HS-19-002\]](#) to promote health equity and improve the health of individuals and populations at risk for suboptimal health outcomes through the use of primary care and community interventions that address chronic conditions, including prevention and management of multiple chronic conditions. This is to be accomplished by developing data resources, applying health services research methodologies and presenting data analytics to primary care providers, health care delivery systems, public health departments, and/or community organizations to help them address social determinants of health (SDOH) and contribute to the delivery of whole person, 360-degree care that meets physical, behavioral, and oral health, as well as social service needs.

Chronic conditions such as hypertension, depression, or diabetes are the leading cause of disability, death, and health care costs. Much of the high burden of illness due to chronic illness and associated disability is preventable. Furthermore, these burdens are not equally distributed. Considerable evidence demonstrates there is a relationship between SDOH and poor health outcomes (e.g., mortality, acute and chronic disease, disability). Race, socioeconomic status, and place of residence are key determinants of health and life expectancy and result in profound disparities and inequities. By expanding data capacity, this project enables research and analysis that helps communities – including state and local public health agencies, social service and community organizations – take actions to address SDOH disparities.

*Letter of Intent due: April 22, 2019; Applications due: May 29, 2019*

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## **NIJ: Artificial Intelligence Research and Development to Support Community Supervision**

Through the [Artificial Intelligence Research funding opportunity](#), the National Institute of Justice (NIJ) seeks to promote the successful reentry of offenders under community supervision. Additionally, NIJ encourages the development of Artificial Intelligence solutions to help community supervision agencies and personnel identify offenders at the highest risk of violating while under community supervision.

A **webinar** about the solicitation will be held on **Thursday, March 28, at 2pm**.

[Click here to register >>](#).

During this webinar, the presenters will provide guidance to potential applicants, discuss the purpose and goals of this funding opportunity, review eligibility requirements, and address frequently asked questions. A Q&A session will conclude the webinar.

*Application deadline: May 13, 2019*

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## **NIJ Office of Justice Programs: Research & Evaluation in Safety, Health, and Wellness in the Criminal Justice System**

With [this solicitation](#), the National Institute of Justice (NIJ) seeks applications for funding of multidisciplinary research projects addressing four topics:

1. The cumulative effects of shift-work schedules, overtime, and secondary employment on the health, safety, performance, and quality of life of police or correctional officers.
2. Enhancing strategies for officer interaction with individuals presenting with mental illness.
3. Understanding the impact and management of stress, burnout, and vicarious trauma to advance resiliency of the forensic science workforce.
4. The impact of undercover work on officer wellness.

All four topics, in varying degrees, lend themselves to a mixed-method approach involving a combination of the measurement of behavioral, psychological, biological, and physiological responses. Additionally, all four topics lend themselves to multidisciplinary research from behavioral science, neuroscience, operations research, and the social science communities. This solicitation also supports the objectives of the [NIJ Safety, Health, and Wellness Strategic Research Plan 2016-2021](#).

*Application deadline: May 28, 2019*

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## **North Central Soybean Research Program: 2020 RFP**

The North Central Soybean Research Program ([NCSRP](#)) is seeking collaborative multi-state soybean research project renewal requests and new proposals for funding to begin on October 1, 2019. The NCSRP Board will fund research projects that address their goals to increase soybean grower productivity and profitability while improving environmental stewardship. The NCSRP will fund both applied and basic research, and the communication of research results, to provide short- and long-term practical benefit to Midwestern soybean producers. Projects must logically fit into one of these key research areas:

- Soybean yield enhancement through classical and molecular breeding to increase genetic yield potential and yield stability via gene discovery and germplasm development, while maintaining or improving soybean quality and composition, for the North Central Region.
- Basic and applied research directed at soybean disease, nematode, insect pest and abiotic stress biology, management and yield loss mitigation, including new and emerging threats, of consistent or potentially significant economic impact across the North Central Region.
- Management of weeds and weed resistance to herbicides for species of common occurrence and threat across the North Central Region.
- Soybean production practices, crop management and conservation through on-farm research and similar for increased yields and profitability in an environmentally sustainable manner. This may include basic and applied research that addresses soybean response to water, nutrients and water quality, climate, soil and environmental conditions specific to the North Central Region.

It is critically important for researchers to develop collaborative regional projects, to identify how the deliverables will positively and tangibly impact Midwest soybean producers in the short- or long-term, and how deliverables will be communicated to growers and to the NCSRP.

Researchers are strongly encouraged to demonstrate interdisciplinary and interuniversity approaches and collaborations.

The RFP and application materials can be obtained from [Ona Vig](#) in the NDSU Ag Budget Office.

*Proposal deadline: May 24, 2019*

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

The [Industry-University Cooperative Research Centers \(IUCRC\) program](#) develops long-term partnerships among industry, academe, and government. The Centers are catalyzed by an investment from the National Science Foundation (NSF) and are primarily supported by industry Center members, with NSF taking a supporting role in the development and evolution of the Center. Each Center is established to conduct research that is of interest to both the industry members and the Center faculty. An IUCRC contributes to the nation's research infrastructure base and enhances the intellectual capacity of the engineering and science workforce through the integration of research and education. As appropriate, an IUCRC uses international collaborations to advance these goals within the global context.

*Preliminary Proposal deadline: April 17, 2019 or October 16, 2019; Full Proposal deadline: June 19, 2019 or December 18, 2019*

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## **Rita & Alex Hillman Foundation: Care for Vulnerable Populations**

To accelerate the development of promising pre-evidence programs that improve care for vulnerable populations, the [Rita & Alex Hillman Foundation](#) (RAHF) have released two Requests for Proposals (RFP) – one for the [Hillman Emergent Innovation Program](#) and another for the [Hillman Serious Illness and](#)

[End of Life Emergent Innovation Program](#). Both programs seek bold, early-stage, or untested interventions that address health challenges faced by vulnerable populations including the economically disadvantaged, racial and ethnic minorities, LGBTQ people, people experiencing homelessness, rural populations, and others. Each program will award as many as five one-year grants of \$50,000 each. “A key strategy at Hillman has been to create a pipeline of support for innovations at various phases of development, including the earliest stages, which can be a challenging time to find funding, even for the most promising ideas,” said Ahrin Mishan, Executive Director of the Rita & Alex Hillman Foundation. “Supporting innovations that remove barriers to more equitable, high-quality, and person-centered care is central to our mission.”

*Application deadline: April 29, 2019*

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## **USDA: Organic Agriculture Research and Extension Initiative**

The [Organic Agriculture Research and Extension Initiative \(OREI\)](#) seeks to solve critical organic agriculture issues, priorities, or problems through the integration of research, education, and extension activities. The purpose of this program is to fund projects that will enhance the ability of producers and processors who have already adopted organic standards to grow and market high quality organic agricultural products. Priority concerns include biological, physical, and social sciences, including economics. The OREI is particularly interested in projects that emphasize research, education and outreach that assist farmers and ranchers with whole farm planning by delivering practical research-based information. Projects should plan to deliver applied production information to producers. Fieldwork must be done on certified organic land or on land in transition to organic certification, as appropriate to project goals and objectives. Refer to the [USDA National Organic Program](#) for organic production standards.

*Application deadline: May 2, 2019*



The 2019 NDSU EXPLORE Showcase of Undergraduate Research and Creativity will take place Thursday, April 11, 2019, in the Memorial Union. Students present their projects, whether complete or in-progress, as a poster, oral presentation, or other format. We invite you to attend in support of the student researchers. For more information, visit the [NDSU EXPLORE webpage](#).

**Morning Student Presentation Session**

*Thursday, April 11, 2019 | 9:30 a.m. -11:30 a.m. | Memorial Union, 2<sup>nd</sup> Floor*

**Afternoon Student Presentation Session**

*Thursday, April 11, 2019 | 1:00 p.m. -3:00 p.m. | Memorial Union, 2<sup>nd</sup> Floor*

**Introducing CoSearch NDSU: April 12 & 13**

On **April 12 and 13th**, NDSU researchers will have 30 hours to share a research idea, hone the idea with an interdisciplinary team they meet at the event and pitch the idea to a panel of judges.

The broad theme of this inaugural NDSU CoSearch event is **The Farm of the Future**. This is an exciting opportunity for researchers from a variety of disciplines to bring their perspectives on how our communities and state look and function as farms transform in the coming decades.

CoSearch is open to all faculty members who are interested in collaboration, research, and solving real world problems. In just 30 hours, you will create, hone and launch a research project that could be funded. The event begins at the Research Park Friday afternoon with the final showcase at Elevate on Broadway in downtown Fargo.

CoSearch is free for the first 30 participants. No team or existing idea is needed to participate. Join and you will find a team and create in idea. The event is being hosted through a partnership between the College of Business, Emerging Prairie, and the Office of Research and Creative Activity.

[More information >>](#)

[Register to Participate >>](#)

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## **Veterinary & Public Health Implications of Tuberculosis**

Sarah Bailey, DVM, MPH, CPH(p), the North Dakota Assistant State Veterinarian, will be on campus on Wednesday, April 17, 2019, to present a seminar on the veterinary and public health implications of tuberculosis. Mark your calendars and plan to attend:

**Wednesday, April 17, 2019**

2-4pm  
Van Es 101

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## Save the Date: NDSU IACUC Rodent Training Series Session 4: Breeding and Genotyping

NDSU's Institutional Animal Care and Use Committee ([IACUC](#)) is offering a series of rodent training sessions. The next session's topic will be "**Breeding and Genotyping**." This session will take place **Thursday, April 25, 2019**, from **3-4:30pm**.

This training is open to faculty, staff, and students. Participants must be able to competently restrain a mouse.

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## NIH Grant Writing Workshops

On April 25, Dr. Meg Bouvier [ [Meg Bouvier Medical Writing](#) ] will present three workshops:

### How to Write an NIH R-Series Application

**Thursday, April 25, 2019 | 8am-1pm | Memorial Union Hidatsa Room**

*The target audience for this session is NIH [R01](#) and [R15](#) grant program applicants.*

This workshop will cover the following topic areas:

- **Preparation:** *Key steps to take before you write a successful NIH submission*

- **Specific Aims:** *How to write the most important page of an NIH submission*
- **Significance and Innovation:** *How to “sell” your project to NIH reviewers*
- **Approach:** *How to write the section that correlates most closely with your overall score*

### **Mistakes Commonly Made on NIH Submissions**

**Thursday, April 25, 2019 | 1pm-2pm | Memorial Union Arikara Room**

*This lunch-time session covers mistakes commonly made on NIH submissions, and will include a question and answer period with Dr. Bouvier.*

### **Building Your Biomedical Research Funding Portfolio**

**Thursday, April 25, 2019 | 2pm-3pm | Memorial Union Hidatsa Room**

*This session will discuss funding options including those outside NIH that could help build and diversify your funding portfolio.*

Seating is limited, and priority will be given to faculty.

**Registration is required.**

[Register for a workshop >>](#)

These workshops are co-sponsored by the Research and Creative Activity Office and the Center for Diagnostic and Therapeutic Strategies in Pancreatic Cancer.



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.*

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