

# RCA UPDATE

November 13, 2018

## Meet NDSU's New Assistant Professors

Throughout the year, RCA will feature new assistant professors.  
Full profiles are available on the [RCA website](#).

### **Sarah Crary, Ph.D.**

#### **Education Leadership**

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

Information Literacy, K-12 Education Change, Post-Secondary Readiness, Leadership.

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

I am from Fargo, ND. I received my bachelor's and master's degrees from Minnesota State University Moorhead and my doctorate from the University of North Dakota.

#### **What excites you about NDSU?**



I am excited to work at a land-grant university that is focused on making changes to help improve our community.

**What motivates you?**

I am motivated to educate our future educational leaders so that they are ready for the dynamic world of K-12 education.

**Ryan McGrath, Ph.D.**

**Health, Nutrition, and Exercise Science**

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

Epidemiology of Aging, Frailty and Health, Disability Prevention, Physical Activity and Health for Aging Adults and Persons with Disabilities.



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

I am from Minneapolis, MN. I have a B.A. in Physical Education from the University of Jamestown (ND), M.S. in Kinesiology from the University of North Dakota, and a Ph.D. with an Exercise Science Emphasis from the University of Idaho. I also had a Postdoctoral Fellowship in Advanced Rehabilitation Research Training from the University of Michigan.

**What excites you about NDSU?**

The opportunity to return to North Dakota and make a positive impact.

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## NSF Account Verification

The National Science Foundation (NSF) has updated its account management system and is requiring verification of user account information (primary email address and phone number). If your NSF account was created before March 23, 2018, you are required to verify your information. If you receive an email from [noreplyadmin@nsf.gov](mailto:noreplyadmin@nsf.gov) requesting that you verify your account information, please take a brief moment to do so. Unless the system identifies a data issue with your account after updating, this should be a one-time process. Information on migrating existing NSF accounts to the new account management system can be found [here](#). If you have any additional questions, please contact [ndsu.research@ndsu.edu](mailto:ndsu.research@ndsu.edu).



**The Research Integrity team would like to congratulate Kristy Shirley for recently renewing her CIP certification.** Kristy has maintained her CIP certification since 2009.

The Public Responsibility in Medicine and Research (PRIM&R) created the Certified IRB Professional (CIP) in 1999. The program is a result of a broadly based, grassroots effort by IRB professionals and policy makers committed to improving the quality of Human Research Protection Programs.

Certified individuals are required to pass an exam which consists of questions that cover the foundations, and concepts of IRB practice, organizational and

personnel knowledge, IRB functions and operations, and reports and records. The exam is based on federal regulations and guidance. CIPs must recertify every 3 years. More than 3000 individuals have become certified since the credential was introduced.

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## FUNDING OPPORTUNITIES

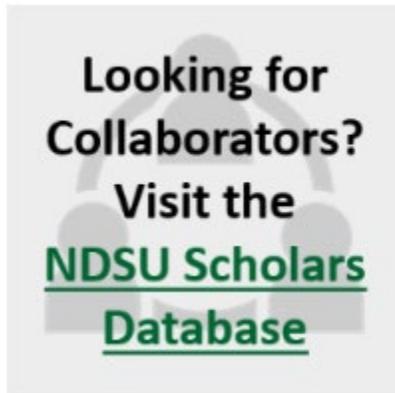
- [ACSM: Seed Grants in Exercise Science](#)
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## **American College of Sports Medicine: Seed Grants in Exercise Science**

From academicians to students and from personal trainers to physicians, the American College of Sports Medicine (ACSM) is dedicated to helping people worldwide live longer, healthier lives. To advance this mission, the association established the [Research Grant Program](#) through the [ACSM Foundation](#), its charitable arm, in 1989. Through the program, grants of up to \$10,000 will be awarded to support basic and applied research in exercise science. Funding is primarily targeted to new or junior investigators within seven years of attaining a terminal degree (e.g., PhD, EdD) and is expected to provide seed money support after which further funding would be sought from other sources. The

primary goal is to fund mechanistic, hypothesis driven, basic and applied research. Applications should clearly describe if the aims are achieved in the pilot, and how the data will be used in future grant applications. Grants are open to all ACSM members in good standing.

*Application deadline: January 18, 2019*



## **Air Force Office of Scientific Research: Basic Research Program**

The Air Force Office of Scientific Research (AFOSR) plans, coordinates, and executes the Air Force Research Laboratory's (AFRL) basic research program ([FA9550-18-S-0003](#)) in response to technical guidance from AFRL and requirements of the Air Force. Additionally, the office fosters, supports, and conducts research within Air Force, university, and industry laboratories; and ensures transition of research results to support U.S. Air Force needs. The focus of AFOSR is on research areas that offer significant and comprehensive benefits to our national war fighting and peacekeeping capabilities. These areas are organized and managed in two scientific Departments: **Engineering and Information Science (RTA)** and **Physical and Biological Sciences (RTB)**. The research activities managed within each Department are summarized in the full announcement, available on the "Related Documents" tab of the [grant opportunity page](#).

*Posted Until Superseded*



## **NEH: Media Projects**

The National Endowment for the Humanities [Media Projects program](#) supports documentary film, television, radio, and podcast projects that engage public audiences with humanities ideas in creative and appealing ways. All projects must be grounded in humanities scholarship in disciplines such as history, art history, film studies, literature, religious studies, philosophy, or anthropology. Projects must also demonstrate an approach that is thoughtful, balanced, and analytical. The approach to the subject matter must go beyond the mere presentation of factual information to explore its larger significance and stimulate reflection. NEH is a national funding agency, so the projects that are supported must demonstrate the potential to attract a broad general audience, either regionally or nationally.

The Division of Public Programs encourages media projects that promote a deeper understanding of American history and culture and advance civic education. The Division of Public Programs also supports media projects that examine international themes and subjects in the humanities. Film and television projects may be single films or a series addressing significant figures, events, or ideas. NEH welcomes projects that range in length from short-form to broadcast-length video. Radio and podcast projects may involve single programs, limited series, or segments within an ongoing series. NEH encourages projects that engage public audiences through multiple formats. Proposed projects might include supplementary components to a film, television, radio, or podcast project: for example, book/film discussion programs, supplementary educational websites, or museum exhibitions.

Applicants must have clear central ideas and a solid command of the major humanities scholarship on their subject, and they must have consulted with a team of scholarly advisers to work out the intellectual issues that the program

will explore. The scholars must represent major fields relevant to the subject matter, have a strong record of research and scholarship in the humanities, and offer diverse perspectives and approaches. Development awards enable media producers to collaborate with scholars to develop humanities content and to prepare programs for production. Awards should result in a script (for documentary film or television programs) or a detailed treatment (for radio programs or podcasts) and may also yield a plan for outreach and public engagement. Production awards support the production and distribution of films, television programs, radio programs, or podcasts that promise to engage a broad public audience.

*Draft proposal deadline [Optional]: November 28, 2018; Full application deadline: January 9, 2019*



## **NIH: Promoting Research on Music and Health (R01,R21)**

Music has the remarkable ability to enhance child development, improve adult function and well-being, and optimize the quality of life during aging. Many studies have shown that music can also ameliorate the symptoms of a broad range of diseases and disorders that occur throughout the lifespan and be utilized effectively in delivering palliative care during serious advanced illness and at the end of life. Recent scientific breakthroughs, including the development of new technologies, are providing the community with opportunities to understand the mechanisms through which music acts, and to develop new music interventions for a variety of human conditions. This National Institutes of Health (NIH) broad spectrum Funding Opportunity

Announcement (FOA) [R01 – [RFA-NS-19-008](#); R21 – [RFA-NS-19-009](#)] is intended to:

1. increase our understanding of how music affects the brain, body, and behavior and
2. use that knowledge to develop evidence-based music interventions to enhance health or treat specific diseases and disorders.

Proposed projects can investigate how music is processed by or modifies the brain, or how it affects specific biological functions during childhood development and learning, adulthood, and aging. Projects can also include preliminary interventions that provide a basis for therapeutic interventions. When appropriate, collaborations among basic researchers, technology developers, music intervention experts, or other clinical researchers are highly encouraged.

*Letter of Intent deadline: January 15, 2019; Full application deadline: February 28, 2019*

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## **NSF: Designing Materials to Revolutionize and Engineer our Future (DMREF)**

Designing Materials to Revolutionize and Engineer our Future ([DMREF / NSF 19-516](#)) is the primary program by which the National Science Foundation (NSF) participates in the [Materials Genome Initiative \(MGI\) for Global Competitiveness](#). MGI recognizes the importance of materials science and engineering to the well-being and advancement of society and aims to "deploy advanced materials at least twice as fast as possible today, at a fraction of the cost." MGI integrates materials discovery, development, property optimization,

and systems design with a shared computational framework. This framework facilitates collaboration and coordination of research activities, analytical tools, experimental results, and critical evaluation in pursuit of the MGI goals.

Consistent with the [MGI Strategic Plan](#), DMREF highlights four sets of goals:

1. Leading a culture shift in materials science and engineering research to encourage and facilitate an integrated team approach;
2. Integrating experimentation, computation, and theory and equipping the materials science and engineering communities with advanced tools and techniques;
3. Making digital data accessible, findable, and useful to the community; and
4. Creating a world-class materials science and engineering workforce that is trained for careers in academia or industry.

All awards will be four years in duration. Awards are expected to range from \$1,000,000 to \$1,750,000.

*Application window: January 28-February 4, 2019*

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## **PhRMA Foundation: Early Investigator Research in Health Outcomes**

The [PhRMA Foundation](#) is accepting applications to its [Health Outcomes program](#). Health Outcomes research spans a broad spectrum of issues related to healthcare delivery, from studies evaluating the effectiveness of a pharmaceutical intervention to the impact of reimbursement policies on outcomes of care. It also ranges from the development and use of tools to perform patient-based assessments to analyses of ways in which results of

outcomes research are disseminated to providers or consumers to encourage behavior change. Through the program, one-year grants of up to \$100,000 will be awarded to assist individuals beginning an independent research career in health outcomes at the faculty level. Schools of medicine, pharmacy, public health, nursing, and dentistry are eligible to apply.

*Application deadline: February 1, 2019*



## **Pharmaceutical Management Guiding Principle approved by NDSU IACUC**

Recently the NDSU IACUC revised and combined the guidance on *Expired Drugs or Medical Materials and Pharmaceutical Management of Controlled Substances* into one document titled [Pharmaceutical Management](#). The document covers the proper pharmaceutical management for the use, documentation, and storage of all drugs and medical supplies used in live vertebrate animals. All drugs and medical supplies utilized in live vertebrate animals must be stored, labeled, and disposed of according to the Pharmaceutical Management Guiding Principle.



## **SPA News & Events**

Sponsored Programs Administration (SPA) shares the latest updates and events related to proposals and awards on their [News & Events](#) page. If you are looking for a particular topic, just use the find feature – hold the control key and the ‘f’ key at the same time – then enter your topic, such as grants.gov. If

you can't find what you are looking for, you may also want to do your search on SPA's [News & Events Archive](#) page. Questions? Email SPA at [ndsu.research@ndsu.edu](mailto:ndsu.research@ndsu.edu).

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## **NSF CAREER 101**

Are you interested in the NSF CAREER program but are not sure where to start or what is involved? This session is designed for those new to the program. It will include a program overview, proposal requirements, planning for an application, and opportunities for Q&A.

### **NSF CAREER 101**

**Tuesday, December 11, 2018 | 12-1 p.m.**

**Memorial Union Peace Garden Room**

**[Register to attend >>](#)**

The National Science Foundation (NSF) Faculty Early Career Development ([CAREER](#)) Program is a prestigious grant award program that supports early career faculty who have the potential to serve as academic role models in research and education and to lead advances in the mission of their department or organization. Activities pursued by early-career faculty should build a firm foundation for a lifetime of leadership in integrating education and research.

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

[Contact Us](#)



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*The Office of Research and Creative Activity (RCA) sends weekly emails to NDSU faculty and staff to provide current information on various topics including funding opportunities, grant program changes, research resources, deadlines, notices, and training.*

*You are receiving this notification through the NDSU official employee listserv or sub-list. The official listserv refreshes after each pay period.*

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