THE UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE
College of Education
OFFICE OF RESEARCH DEVELOPMENT
AND MANAGEMENT

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ORDM DIGEST (mini)	JUNE 2016

The ORDM Digest provides information on grant opportunities for the College of Education faculty and staff. Announcements, submitted grant applications, and funded awards are also included.

Federal Funding – U.S. Department of Education

No new U.S. Department of Education Funding Opportunities at this time.

Federal Funding – National Science Foundation (NSF)

Directorate for Education & Human Resources
Funding Opportunity Number 16-559

Title: Robert Noyce Teacher Scholarship Program

Purpose of Program: The National Science Foundation Robert Noyce Teacher Scholarship Program seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 STEM teachers. The program invites creative and innovative proposals that address the critical need for recruiting and preparing highly effective K-12 STEM teachers, especially in high-need local educational agencies. The program offers four tracks: Track 1: The Robert Noyce Teacher Scholarships and Stipends Track, Track 2: The NSF Teaching Fellowships Track, Track 3: The NSF Master Teaching Fellowships Track, and Track 4: Noyce Research Track. In addition, Capacity Building proposals are accepted from proposers intending to develop a future Track 1, 2, or 3 proposal.

Estimated Size of Award:	**$75,000 - $3,250,000**
Full Proposal Submission Deadline:	**September 6, 2016**
Program Contact:	**Kathleen Bergin (Lead Program Director)**
	kbergin@nsf.gov
	703-292-5171

http://www.nsf.gov/pubs/2016/nsf16559/nsf16559.pdf

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Directorate for Education & Human Resources
Funding Opportunity Number 15-592

Title: Discovery Research PreK-12 (DRK-12)

Purpose of Program: The Discovery Research PreK-12 program (DRK-12) seeks to significantly enhance the learning and teaching of science, technology, engineering and mathematics (STEM) by PreK-12 students and teachers, through research and development of STEM education innovations and approaches. Projects in the DRK-12 program build on fundamental research in STEM education and prior research and development efforts that provide theoretical and empirical justification for proposed projects. Projects should result in research-informed and field-tested outcomes and products that inform teaching and learning. Teachers and students who

participate in DRK-12 studies are expected to enhance their understanding and use of STEM content, practices and skills.

DRK-12 invites proposals that address immediate challenges that are facing preK-12 STEM education as well as those that anticipate radically different structures and functions of preK-12 teaching and learning. The DRK-12 program has three major research and development strands: (1) Assessment; (2) Learning; and (3) Teaching. The program recognizes the synergy among the three strands and that there is some overlap among them. However, PIs should identify a clear focus of the proposed research efforts (i.e., assessment, learning, or teaching) consistent with the proposal's main objectives and research questions. The program supports five types of projects: (1) Exploratory, (2) Design and Development, (3) Impact, (4) Implementation and Improvement, and (5) Conferences and Syntheses. All five types of projects apply to each of the three DRK-12 strands.

Estimated Size of Award: **$100,000 - $3,000,000**

Full Proposal Submission Deadline: **December 5, 2016**

Program Contact: **David Campbell**
                             dcampbel@nsf.gov
                             703-292-5093

http://www.nsf.gov/pubs/2015/nsf15592/nsf15592.pdf

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Directorate for Education & Human Resources
Funding Opportunity Number 15-584

Title: CyberCorps(R) Scholarship for Service (SFS) Defending America's Cyberspace

Purpose of Program: Cyberspace has transformed the daily lives of people. The rush to embrace cyberspace, however, has exposed its fragility and vulnerabilities: corporations, agencies, national infrastructure and individuals have been victims of cyber-attacks. In December 2011, the National Science and Technology Council with the cooperation of NSF advanced a broad, coordinated Federal strategic plan for cybersecurity research and education to "change the game," examine the misuses of cyber technology, bolster education and training in cybersecurity, establish a science of cybersecurity, and transition promising cybersecurity research into practice. To achieve this strategic plan, the Nation requires an innovative and efficient cybersecurity education system that results in an unrivaled cybersecurity workforce and citizenry capable of advancing America's economic prosperity and national security in the 21st century. The Cybersecurity Enhancement Act of 2014 (Public Law 113-274) authorizes the National Science Foundation, in coordination with the Office of Personnel Management and the Department of Homeland Security, to offer a scholarship program to recruit and train the next generation of information technology professionals, industry control system security professionals and security managers.

The CyberCorps(R): Scholarship for Service (SFS) program seeks proposals that address cybersecurity education and workforce development. The Scholarship Track provides funding to award scholarships to students in cybersecurity. All scholarship recipients must work after graduation for a Federal, State, Local, or Tribal Government organization in a position related to cybersecurity for a period equal to the length of the scholarship. A proposing institution must provide clearly documented evidence of a strong existing academic program in 1 cybersecurity. Such evidence can include: designation by the National Security Agency and the Department of Homeland Security as a Center of Academic Excellence in Information Assurance Education/Cyber Defense (CAE IA/CD), in Cyber Operations or in Research (CAE-R); a specialized designation by a nationally recognized organization (for example, in forensics); or equivalent evidence documenting a strong program in cybersecurity.

The Capacity Track seeks innovative proposals leading to an increase in the ability of the United States higher education enterprise to produce cybersecurity professionals. Proposals are encouraged that contribute to the expansion of existing educational opportunities and resources in cybersecurity and focus on efforts such as

research on the teaching and learning of cybersecurity, including research on materials, methods and interventions; curricula recommendations for new courses, degree programs, and educational pathways with plans for wide adoption nationally; teaching and learning effectiveness of cybersecurity curricular programs and courses; integration of cybersecurity topics into computer science, data science, information technology, engineering and other existing degree programs with plans for pervasive adoption; and partnerships between institutions of higher education, government, and relevant employment sectors leading to improved models for the integration of applied research experiences into cybersecurity degree programs.

Estimated Size of Award: **$200,000 - $5,000,000**

Full Proposal Submission Deadline: **September 15, 2016**

Program Contact: **Victor Piotrowski**
vpiotrow@nsf.gov
703-292-5141

http://www.nsf.gov/pubs/2015/nsf15584/nsf15584.pdf

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Directorate for Education & Human Resources
Funding Opportunity Number 15-593

Title: Advancing Informal STEM Learning (AISL)

Purpose of Program: The Advancing Informal STEM Learning (AISL) program seeks to advance new approaches to and evidencebased understanding of the design and development of STEM learning opportunities for the public in informal environments; provide multiple pathways for broadening access to and engagement in STEM learning experiences; and advance innovative research on and assessment of STEM learning in informal environments.

The AISL program supports seven types of projects: (1) Collaborative Planning, (2) Exploratory Pathways, (3) Research in Service to Practice, (4) Innovations in Development, (5) Broad Implementation, (6) Conferences, and (7) Informal STEM Learning Resource Center (FY 2016 only).

Estimated Size of Award: **$150,000 - $6,000,000**

Full Proposal Submission Deadline: **November 8, 2016**

Program Contact: **Address questions to:**
DRLAISL@nsf.gov
703-292-8616

http://www.nsf.gov/pubs/2015/nsf15593/nsf15593.pdf

Association & Foundation Funding

No new Association & Foundation Funding Opportunities at this time.

***************************FUNDING INFORMATION COMPLETE**************************

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ANNOUNCEMENTS

ORDM 📢 *Proofreading Services*
Please contact Joy McAuley (jomcaule@uncc.edu) in the Office of Proposal
Development, for proofreading services.

ORDM 📢 *Personnel/Salary and Grant Purchase Transactions*
The Office of Research Development and Management has transitioned all personnel and
salary related responsibilities to the departmental level. ORDM will work with the
departmental personnel to finalize these transactions.

Faculty, please continue to work with your **Office Managers** and/or **Department
Administrators** when making purchases or creating transactions that involve grant
funds. These individuals are knowledgeable about current processes, and the ORDM will
keep them abreast of current processes and to finalize approval for grant-related
transactions.

ORDM 📢 **REMEMBER…** to contact ORDM or the University's Contracts Office prior to
engaging in verbal or written obligations with funding agencies. Official negotiations are
handled by the Contracts Office, who must determine the agency's risk level prior to
engaging in any negotiations.

ORDM 📢 *ORDM wants to meet You*
ORDM is offering regularly scheduled (monthly) meetings with faculty members to
discuss the status of their grant projects. Please contact our office to schedule a meeting.

ORDM 📢 *Kudos Go To…*
Marian Castle for meeting the pre-review deadline for summer 2015 effort reporting.
There was a short turn-around period, and Marian worked diligently to complete the
review process on time.