

# FUNDAMENTALS

Office of Research Development



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*UNC's Office of Research Development's FUNDAMENTALS provides researchers with updates related to extramural funding, on-campus research development and other timely information in support of Carolina's research enterprise.*



**UNC Creativity Hubs Inaugural Awards Announced**

UNC's new Creativity Hubs initiative, a component of the Carolina Blueprint for Next strategic framework, has announced awards to campus research teams pursuing solutions to two of the world's most pressing issues: the obesity epidemic and the global clean water shortage. The Creativity Hubs initiative was developed by Vice Chancellor for Research Terry Magnuson as a platform on which to assemble teams of researchers from diverse disciplines to tackle major societal challenges and leverage additional support from external sponsors.

The inaugural projects are:

**Heterogeneity in Obesity: Transdisciplinary Approaches for Precision Research and Treatment** ([Penny Gordon-Larsen, PI](#)), and

**Sustainable Access to Safe Water: Graphene-Polymer Nanocomposite Membranes for Water Purification, Energy Production and Storage** ([Theo Dingemans, PI](#)).

[Read More](#)

## **NIH NIEHS Program Director Visit**

Your Environment, Your Health:  
The NIEHS Mission and Research Opportunities

**Friday, June 1, 2018**

11:00 am - 12:00 pm  
133 Rosenau Hall



Jonathan Hollander, Ph.D. Health Scientist

Administrator, Genes, Environment, and Health Branch, NIEHS will discuss the NIEHS mission and its strategic plan, the scientific areas of responsibility under his program portfolio, and potential programs including Environmental Risks for Psychiatric Disorders.

[Register here](#)

**Joyce Tan Appointed as Associate**



## Vice Chancellor for Research

After serving in the Office of the Vice Chancellor for Research as the organization's chief strategist, [Joyce Tan](#) has been appointed as Associate Vice Chancellor for Research. In this role, Joyce is responsible for advancing the university research mission and goals by developing and implementing strategic research initiatives.

She facilitates interdisciplinary research programs and initiatives to grow the university's global reputation and encourages innovation and entrepreneurship by connecting the OVCR with leadership across UNC and by promoting research partnerships. She is also responsible for overseeing the Office of Research Development.

## NSF INFEWS Collaborative Workshop

June 7, 2018

ORD will co-host a regional meeting for researchers interested in the [Innovations at the Nexus of Food, Energy, and Water Systems \(INFEWS\) solicitation](#). At this meeting, we will provide an overview of the RFP and discuss how we could identify one or more concepts that would eventually result in proposal submission(s). Researchers from UNC-CH, NCSU, NCAT, and Duke are invited to facilitate potential collaborations between institutions.

If interested, contact [Nathan Blouin](#)

## Small Business Innovation Research (SBIR)

### Road Tour

June 21 and 22  
Durham, NC



## SBIR Road Tour

SEEDING AMERICA'S FUTURE INNOVATIONS™

The Small Business Innovation Research (SBIR) Road Tour is coming to Durham, NC, June 21 and 22 to convey the non-dilutive technology funding opportunity provided through the SBIR program. Day One (June 21) will consist of events supporting SBIR proposal development. Day Two (June 22) will include meetings with agency program staff, funding priorities presentations, and suggestions for writing strong proposals.

[Learn more](#)



## Reminder: URC Spring Publication Grants

Application Deadline: Friday, May 18, 2018, 5:00 pm

The University Research Council (URC) **Publication grants** help pay the costs of publishing scientific, scholarly or artistic work (no textbooks). The grants may be used to pay for such things as photographs, drawings, figures or tables, permissions to reprint, or subvention costs.

[Learn more](#)

## LIMITED SUBMISSIONS

### Upcoming Special Internal Call for Proposals: NSF Science and Technology Centers (STC): Integrative Partnerships

In anticipation of a new NSF STC Program Solicitation release, ORD will launch a special internal call for proposals in coming weeks. Because the NSF STC is a marquee program for the National Science Foundation, with the scope and complexity requiring significant lead time to prepare a compelling application, it is in the campus interest to begin the internal selection process in advance of a formal solicitation from NSF. This will allow the chosen nominees ample time to develop strong proposals.

## **William T. Grant Foundation Scholars Program**

UNC Internal Pre-Proposal Deadline: 5:00 p.m. Wednesday, May 23, 2018

The William T. Grant Scholars Program supports career development for promising early-career researchers. The program funds five-year research and mentoring plans that significantly expand junior researchers' expertise in new disciplines, methods, and content areas. The Foundation's mission is to support research to improve the lives of young people ages 5-25 in the United States.

[Learn More](#)

## **W. M. Keck Foundation Research Program**

UNC One-Page Concept Papers Internal Deadline:

5:00 p.m. Friday, June 1, 2018

The Foundation's Research Program supports pioneering discoveries in science, engineering, and medical research by funding high-risk/high-impact work of leading researchers. By doing so, the Foundation is laying the groundwork for new paradigms, technologies and discoveries that will save lives, provide innovative solutions, and add to our understanding of the world.

[Learn More](#)

## **Mallinckrodt Research, Pew Scholars, and Searle Scholars Programs**

UNC Internal Pre-Proposal Deadline: 5:00 p.m. Monday, June 4, 2018

The Office of Research Development is accepting applications for **three** concurrent early-career, limited submission awards programs: Mallinckrodt Foundation Research Grants, Pew Biomedical Scholars Program, and Searle Scholars Program. Each award supports early-career investigators (tenure track) who are pursuing **basic biomedical research**. Interested applicants can be considered for one, two, or all three programs.

[Learn More](#)

## **NIH Director's Early Independence Awards**

UNC Internal Pre-Proposal Deadline: 5:00 p.m. Tuesday, July 17, 2018

The NIH Director's Early Independence Awards provide an opportunity for exceptional junior scientists to accelerate their entry into an independent research career by forgoing the traditional post-doctoral training period. Though most newly graduated doctoral-level researchers would benefit by post-doctoral training, a small number of outstanding junior investigators would benefit instead by launching directly into an independent research

career. The Awards also provide institutions an opportunity to invigorate their research programs by bringing in the fresh perspectives of the awardees that they host.

[Learn More](#)



NSF CAREER Spotlight:  
**Adrian Marchetti, Ph.D. Marine Science**

CAREER: An integrated molecular and physiological approach to examining the dynamics of upwelled phytoplankton in current and changing oceans

Adrian and his group perform inquiry-based science by combining physiological and molecular approaches in laboratory isolates and natural marine communities to investigate how phytoplankton are affected by their environment and in turn, influence ocean biogeochemistry and ecosystem dynamics. The NSF [CAREER award](#) will support research that will further our understanding of how phytoplankton respond to changes in both current and future ocean environments within upwelling zones, which are hotspots of productivity and biodiversity in our world's oceans. Accompanying educational and outreach activities provide learning experiences to enhance knowledge and awareness of marine microbes.

[Marchetti Lab Website](#)

**Researchers' International Mobility Survey**  
[Worldwide Study on Research Stays Abroad](#)

Why are doctoral students (Dr or PhD) and postdocs interested in conducting research abroad? What information needs do they have when going abroad? The German Academic Exchange Service (DAAD) and "Research in Germany" are conducting a worldwide online survey to answer these questions. The [survey](#) is open to anyone who is currently pursuing or planning a doctorate or postdoc and takes about 15 minutes to complete.

[Take the Survey](#)

## Faculty Consultations



The Office of Research Development offers one-on-one **consultations** for faculty to: identify research goals, clarify funding needs, and learn how ORD can support individual and team-based research programs. Consultation hours are Tuesday mornings, 9:00am to noon or by request. [Request a consult through our website](#), by emailing [ord@unc.edu](mailto:ord@unc.edu), or by calling our office at (919) 962-7503.

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