



College of Nursing



## RESEARCH NEWS

January 2019

### Research News

#### NIH Research News

##### Resources for Rigorous Research

Advancing public health depends on science being empirical, transparent, and rigorous. As yet another step towards fostering rigorous science, we have revamped the Rigor and Reproducibility webpage to highlight and include more resources you might find helpful. Since sketching out our plan last summer with the Advisory Council to the NIH Director, the webpage now reflects policy updates and explores new resources, all in a simple and easy to read manner. [Continue reading](#) →

##### Reminder of Policy Changes

For your convenience, here is a roundup of recently announced changes impacting grant application submission for due dates on or after January 25, 2019. [Continue reading](#) →

##### NIMHD Announces Health Disparities Research Institute for Early-Stage Investigators

The [National Institute on Minority Health and Health Disparities](#) (NIMHD) announced it will host the Health Disparities Research Institute (HDRI) on August 12-16, 2019 at the NIH campus in Bethesda, Maryland. The HDRI is focused on supporting professional development of early-career minority health and health disparities researchers through lectures on current research in the field, mock grant reviews, meetings with NIH staff, and other seminars and discussions. Post-doctoral fellows, assistant professors, or early-stage investigators in comparable research positions who are actively engaged in minority health and health disparities research and who plan to submit a K or R grant to NIH within the next 12

months are eligible to apply. Applications will be accepted in early February 2019. [Full Details](#)

### Funding Opportunities

#### Department of Health and Human Services National Institutes of Health

Bioengineering Research Grants (BRG) (R01 Clinical Trial Not Allowed)  
<https://www.grants.gov/web/grants/view-opportunity.html?oppld=311841>

NHLBI Clinical Trial Pilot Studies (R34 Clinical Trial Optional)  
<https://www.grants.gov/web/grants/view-opportunity.html?oppld=311854>

Bioengineering Research Grants (BRG) (R01 Clinical Trial Required)  
<https://www.grants.gov/web/grants/view-opportunity.html?oppld=311855>

End-of-Life and Palliative Needs of Adolescents and Young Adults (AYA) with Serious Illnesses (R21 Clinical Trial Optional)  
<https://www.grants.gov/web/grants/view-opportunity.html?oppld=311860>

Exploratory/Developmental Bioengineering Research Grants (EBRG) (R21 Clinical Trial Optional)  
<https://www.grants.gov/web/grants/view-opportunity.html?oppld=311856>

Exploratory/Developmental Bioengineering Research Grants (EBRG) (R21 Clinical Trial Not Allowed)  
<https://www.grants.gov/web/grants/view-opportunity.html?oppld=311857>



## RESEARCH NEWS

January 2019

- NIH Policy for Review and Resubmission of New Investigator R01 Applications ([NOT-OD-19-053](#)) Center for Scientific Review
- End-of-Life and Palliative Needs of Adolescents and Young Adults (AYA) with Serious Illnesses (R21 Clinical Trial Optional) ([PAR-19-153](#))  
National Institute of Nursing Research  
National Cancer Institute  
Application Receipt/Submission Date(s):  
Standard dates apply, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates. The first standard application due date for this FOA is February 16, 2019. Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.
- NHLBI Clinical Trial Pilot Studies (R34 Clinical Trial Optional) ([PAR-19-155](#))  
National Heart, Lung, and Blood Institute  
Application Receipt/Submission Date(s):  
Standard dates apply, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates. The first standard application due date for this FOA is February 16, 2019.
- Notice of NINR Participation in PAR-18-714 "Academic Research Enhancement Award for Undergraduate-Focused Institutions (R15 - Clinical Trial Not Allowed)" ([NOT-NR-19-001](#))  
National Institute of Nursing Research
- Notice of NINR Research Objectives added to PAR-19-134 "Research Enhancement Award Program (REAP) for Health Professional

Schools and Graduate Schools (R15 Clinical Trial Not Allowed)" ([NOT-NR-19-002](#))  
National Institute of Nursing Research

### TDI FY19 Research Advancement Grants Now Open

Research, Discovery & Innovation (RDI) supports all levels of staged research development through Research Advancement Grants. The FY19 programs are now accepting applications. The [Accelerate for Success](#), [Faculty Seed Grants](#), [Student Team Awards](#), [International Research & Academic Program Development \(IRPD\) Grants](#), are now accepting applications. Note that a *required* LOI for these programs is due by **5:00p MST, March 13, 2019**. Investigators will be unable to submit a full proposal if they miss the LOI deadline. Full proposals for these programs are due by **5:00p MST, April 3, 2019**. [Postdoctoral Research & Development Grants](#) are also open. No LOI is necessary for this program and full proposals are due March 27, 2019. New in FY19 is the [Core Facilities Pilot Program](#), which opens on January 30th and is due on March 15, 2019. The Core Facilities Pilot Program Grants are due quarterly with subsequent due dates of June 15, September 15, and December 15. Proposal preparation, submission, and processing information is available in the [RDI Proposal Preparation Guide](#). RDS will hold a Research Advancement Grant informational webinar to review the updates to the programs. Register via Zoom: [February 6, 2019 from 9a-10a](#) or [February 7, 2019 from 12p-1p](#). See the [Research Development Services Internal Funding pages](#) of the research gateway for full details.



# RESEARCH NEWS

January 2019



Congratulations to **Tracy Crane** on being selected to receive a 2018 University of Arizona Health Sciences Career Development Award (UAHS-CDA)! The goals of this two-year, \$173,000 award titled, "Exploring the role of circadian rhythm disruption in ovarian cancer progression and using machine learning to design precision lifestyle interventions" are to determine the relationship between disrupted circadian rhythm, inflammation and metabolic health and the mediating role of sleep between diet, physical activity and disease progression in survivors who have recently completed treatment for ovarian cancer, and to use Machine (Deep) Learning techniques to develop predictive models/algorithms for identifying unique clusters of lifestyle behavior change strategies for use in developing precision lifestyle interventions.

Congratulations to **Christopher Herring** for being appointed the Assistant Program Director of the CRNA Program!

Congratulations to **Kristie Hoch** for being nominated by the State of Arizona to run for a Region Director position for the national association! Good luck Kristie!

## UPCOMING EVENTS

### Cutting Edge Research Seminars 1:00-2:00pm CON 349

February 20 Dr. Jeff Stone, UA Dept. of Psychology

March 20 Dr. Kim Ogden, UA Interim Vice President for Research

### ONR Research Dialogue Meetings 1:00-2:30pm CON 416

February 27

March 27

April 24

### Digital Health Interest Group 12:00-1:00pm CON416

February 28 Ricardo Valerdi

March 28 Fitabase – Jessica Lee

April 25 Gondy Leroy

### University of Arizona Department of Psychology Spring 2019 Colloquium Schedule

Unless otherwise announced, colloquia will be held on Fridays from 3 – 4:30 p.m. in the Modern Languages Building, Room 311, unless otherwise noted. Light refreshments will be served before the colloquium.



# RESEARCH NEWS

January 2019

<b>SPRING</b>	
<b>Feb 1</b>	<b>Jessica Burris, <i>The University of Kentucky</i></b>  <i>Is cancer diagnosis really a teachable moment for smoking cessation?</i>
<b>Feb 8</b>	<b>LaBarron Hill, <i>Duke</i></b>  <i>A Paradox in the Stress and Health Disparity Paradigm: Origins and Evidence of the Cardiovascular Conundrum</i>
<b>Mar 15</b>	<b>Lori Markson, <i>Washington University</i></b> <i>Race and Children</i>
<b>Mar 22</b>	<b>Buju Dasgupta, <i>The University of Massachusetts</i></b> <i>Title: TBA</i>
<b>Apr 26</b>	<b>Emily Bianchi, <i>Emory</i></b> <i>From Individualism to Racial Attitudes: Some Psychological Implications of Recessions</i>

section and how to address the strengths and weaknesses in the rigor of the prior research that serves as key support for the proposal, and how to define and demonstrate Innovation, including distinguishing between truly novel, the new application of a technology or approach, and refinements to existing approaches. This course is offered [in person through UAccess Learning](#) and by [webinar via Zoom](#).

## Research & Scholarship Updates

### Funded Grant Proposals

#### Proposals funded since the December newsletter

- Crist, J. & Shea, K.** in collaboration with the Center on Aging and College of Engineering (2019). Title: Tipping Points Pilot Study: Wearable Devices and Algorithms. Agency: STTI, Beta Mu Chapter
- Sun, V., Thomson, C., & **Crane, T.** (2019). Title: Altering intake and managing symptoms in rectal cancer survivors: A multimodal diet modification intervention for bowel dysfunction. Agency: National Cancer Institute

### Pending Grant Proposals

#### Proposals submitted since the December newsletter

- Gordon, J.S.** (2019). Title: Integrated Second Language Learning for Chronic Care: A Model to Improve Primary Care for Hispanics with Diabetes. Agency: Ohio State University

### RDS NIH R Series Grant Preparation Program: "Significance and Innovation"

FEBRUARY 14, 2019. 12:30-2:00p. Marshall 531  
Presented by [Jamie Boehmer, M.S. Ph.D., Senior Associate](#). The "Significance and Innovation" webinar will focus specifically on the first two sections of the NIH Research Strategy. Participants will learn the components of the Significance



## RESEARCH NEWS

January 2019

### Articles Submitted

1. Leung, L.Y.L., Chan, A.W.K., Sit, J.W.H., Ting, L. & **Taylor-Piliae, R.E.** Effects of a 12-week Tai Chi exercise program on cardiometabolic risk factors, quality of life and stress levels in community-dwelling Chinese Adults with metabolic syndrome: A pilot randomized controlled trial. *Journal of Alternative and Complementary Medicine*
2. **Taylor-Piliae, R.E.**, Hsu, C.H., Toosizadeh, N. & Mohler, J. A Novel Dual-Task Balance Challenge to Prevent Falls in Older Adults: A Randomized Pilot Study. *Journal of Geriatric Physical Therapy*
3. Ting, L., Chan, A.W.K., Lee, I. F.K., Choi, K.C., & **Taylor-Piliae, R.E.** Psychometric Properties of the Translated Simplified Chinese Version of Tai Chi Exercise Self-Efficacy for Mainland Chinese with Coronary Heart Disease or Risk Factors. *Rehabilitation Nursing Journal*
4. Tussey, C., Kelly, L.A., **Oja, K.J.**, Bay, C., & Makarova, N. Reducing discomfort with use of abdominal binders after cesarean delivery. *The American Journal of Maternal/Child Nursing*
5. Webber-Ritchey, K. J., **Taylor-Piliae, R.E.**, & Loescher, L.J. The Recruitment of African American Parents for a Study Examining Physical Activity. *Public Health Nursing*

### Articles in Press

1. **McEwen, M.M.**, Elizondo-Perezo, R., **Pasvogel, A.**, Meester, I., Vargas-Villarreal, J., & González-Salazar, F. (in press). Diabetes Self-Management Behaviors, Health Care Access and Health Perception in Mexico-U.S. Border States. *Diabetes Educator*

### Articles Published

1. **Herring, C.**, Brown, S. K., Morgan, B. T., Thompson, J., Kullmar, A., & Blood-Siegfried, J. (2019). Virtual orientation of volunteer short-term international health teams to increase self-confidence and cultural and global health competence. *The Journal of Continuing Education in Nursing*, 50(1), 35-40.  
[doi:http://dx.doi.org.ezproxy4.library.arizona.edu/10.3928/00220124-20190102-08](http://dx.doi.org.ezproxy4.library.arizona.edu/10.3928/00220124-20190102-08)
2. Wang, Q., Chair, S.Y., Wong, E.M., **Taylor-Piliae, R.E.**, Qiu, X. C. H., Li, X.M. Metabolic Syndrome Knowledge among Adults with Cardiometabolic Risk Factors: a cross-sectional study. *International Journal of Environmental Research and Public Health*, 16(1): 159, 2019.  
[doi:10.3390/ijerph16010159](https://doi.org/10.3390/ijerph16010159)

### Presentations

1. **Insel, K.** *Cognitive Aging and Self-Management: Opportunities for Technology.* Optimal Aging Initiative. Georgia Tech, Atlanta, GA. January 16-17, 2019.