



RESEARCH NEWS

Research News

The Issue that Keeps Us Awake at Night

Posted on [May 4, 2018](#) by [Michael Lauer](#) and [Francis Collins](#)

The most important resource for the successful future of biomedical research is not buildings, instruments, or new technologies – it's the scientists doing the work. But by now, it's no longer news that biomedical researchers are stressed – stressed by a [hypercompetitive environment](#) that's particularly destructive for early- and [mid-career investigators](#). But those are the researchers who, if we don't lose them, will comprise [the next generation](#) of leaders and visionaries. Almost 10 years ago, the National Institutes of Health (NIH) took steps to improve funding opportunities for “early stage investigators”, those who were 10 years or less from their terminal research degree or clinical training. Those steps helped, but many stakeholders have concluded that more is needed.

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NIH Fiscal Policies in Effect for Fiscal Year 2018

NIH has issued policy that details FY 2018 funding levels, NRSA stipend levels, how we are prioritizing applications from early stage investigator (ESI) principal investigators, 2018 salary limits, and more. [Continue reading →](#)

Working with Human Subjects? New Human Subjects System Replaces NIH's Inclusion Management System

On June 9, 2018 a new Human Subjects System will replace the Inclusion Management System (IMS) currently used for reporting participant sex/gender, race, and ethnicity information for NIH grants. The new system consolidates human subject information submitted in applications and progress reports and will be used for all human subject-related post-submission updates as of its release. [Continue reading →](#)

Implementation Science

The National Cancer Institute (NCI), in collaboration with Cancer Research U.K. (CRUK), will host a “Sandpit” workshop (i.e., ideas lab) on October 28-31, 2018, in Potomac, Maryland.

WORKSHOP BACKGROUND

This intensive residential workshop will bring together a broad, multidisciplinary group of participants to generate new insights on the contextual factors (e.g., social, cultural, and organizational) that influence the implementation and uptake of digital health interventions for cancer prevention. The research ideas generated at the workshop will inform dissemination and implementation efforts, with the ultimate goal of increasing the reach, adoption, and maintained use of digital health tools. On the last day of the workshop, CRUK will invite up to four of the teams formed at the workshop to apply for CRUK seed grants to test the feasibility of their ideas.

APPLICATION DETAILS

Early- and mid-career professionals based in the U.S. or U.K. who are interested in contributing their expertise, transformative ideas, and novel thinking are especially encouraged to apply. However, please note that Ph.D. students are not eligible for this opportunity.

Applications must include the following components:

- a CV
- an 800-word cover letter describing the applicant's interest in the workshop
- a visual representation (e.g., diagram or mental model) that illustrates a conceptual schema of the applicant's area of interest, along with a 300-word caption



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- a letter of commitment from the applicant's organization or institution

Application materials must be emailed to Sandpit_Workshop@mail.nih.gov by **July 18, 2018 at 5 p.m. EDT / 10 p.m. BST.**

NCI will support standard-class travel accommodation costs (in accordance with NIH Travel Policy) for applicants selected to participate and committed to attending the entire Sandpit event.

Additional details about the Sandpit and full application instructions are available at:
https://cancercontrol.cancer.gov/brp/docs/2018-CRUK-NCI-Sandpit_Final-Research-Call.pdf.

EQUAL OPPORTUNITIES

NCI is committed to providing reasonable accommodations for qualified individuals with a disability.

CONTACT INFORMATION

[Kara L. Hall, Ph.D.](#)
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Video Recording: Screening and referral for social determinants of health meeting

OBSSR hosted the *Screening and Referral for Social Determinants of Health: Innovative Health Care Applications and Future Directions* meeting on Thursday, May 3, 2018. The presentation sessions were recorded and archived and are now available. Scroll down below the video to click and see a specific session.

[Learn More](#)

NCI-FUNDED POST-DOCTORAL TRAINING IN CANCER CONTROL AND PREVENTION

UNIVERSITY OF ARIZONA

One National Cancer Institute-funded post-doctoral research position is available at the University of Arizona Cancer Center in Tucson, AZ. The Program offers a multi-disciplinary mentored environment integrating behavioral to biological science research focused on cancer disparities and understanding and preventing cancer. The traineeship provides preparation for an individual who wishes to pursue an independent academic research career in cancer health disparities that contributes to decreases in cancer morbidity and mortality in underserved populations. The trainee will work with established investigators and will be expected to engage in a research project; develop research proposals; produce two to three publications per year; and work with a multidisciplinary team.

This traineeship is up to two years, renewable each year contingent upon satisfactory performance. Individuals with a doctoral degree in public health, medicine, epidemiology, basic science, community psychology, sociology, or related health science degrees are encouraged to apply. Underrepresented minorities are encouraged to apply. Search remains open until the position is filled. A stipend and health benefits are included.

The positions are available now with applications accepted on a rolling basis. Applications require a curriculum vitae, research concept, personal statement, transcripts, and three letters of recommendation submitted to UACC-CPCtraining@uacc.arizona.edu.

For further information on the program and the application process, please visit our website at



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<http://uacc.arizona.edu/academics/cpc-fellowship>,
or contact:

Betsey Wagener, PhD
University of Arizona Cancer Center
Telephone: 520-626-4894 or e-mail:
UACC-CPCtraining@uacc.arizona.edu

Funding Opportunities

Department of Health and Human Services National Institutes of Health

Global Brain and Nervous System Disorders
Research Across the Lifespan (R21 Clinical Trial
Optional) [https://www.grants.gov/web/grants/view-
opportunity.html?oppld=306374](https://www.grants.gov/web/grants/view-opportunity.html?oppld=306374)

Global Brain and Nervous System Disorders
Research Across the Lifespan (R01 Clinical Trials
Optional)
[https://www.grants.gov/web/grants/view-
opportunity.html?oppld=306352](https://www.grants.gov/web/grants/view-opportunity.html?oppld=306352)

Honors & Awards

Congratulations to **Sheila Gephart** for being
nominated by the Council for the Advancement of
Nursing Science for the **2018 Brilliant New
Investigator Award!**

Congratulations to **Kristie Hoch** for being
appointed to the American Association of Nurse
Anesthetists Education Committee for the 2018-
2019 year!

Funding & Awards

****5 grants funded since the May
newsletter****

1. Andrews, J. & **Gordon, J.** (2018) Title:
Expanding Click City: Tobacco Prevention
Program to Include E-cigarettes and Other
Novel Tobacco Products. Agency: NIH/NIDA
2. **Koithan, M.** (2018). Title: Nurse Faculty Loan
Program. Agency: Health Resources and
Services Administration
3. **Koithan, M., Kahn-John, M., Lacasse, C.**
(2018) Title: Nursing Workforce Diversity
Agency: Health Resources and Services
Administration
4. **Loescher, L.** (2018) Title: University of Arizona
Acceleration of Nursing Scientists Program
Agency: Robert Wood Johnson Foundation
5. **Piotrowski, K.,** (2018) Title: University of
Arizona Nurse Anesthetist Traineeship Agency:
Health Resources and Services Administration

Research & Scholarship Updates

Pending Grant Proposals

Proposals submitted since the May newsletter

1. **Insel, K.,** Glisky, E., Lee, J. (2018) Title:
Augmenting a Medication Self-Management
Tool for Persons with Mild Cognitive Impairment
(MEDSReM-M) Agency: National Institute on
Aging
2. Lee, J., **Insel, K.,** Korchmaros, J. (2018) Title:
Improving Hypertension Medication Adherence
for Older Adults Agency: National Institutes of
Health
3. Thomson, C., **Crane, T.** (2018) Title: Increasing
Physical Activity in Colorectal Cancer Patients:
A Factorial Trial Agency: Fred Hutchison
Cancer Research Center



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Articles Submitted

1. **Crane, T.E., Badger, T.A.,** Sikorskii, A., Segrin, C., Hsu, H., **Rosenfeld, A.G.** Trajectories of Depression and Anxiety among Latinas with Breast Cancer. *Oncology Nursing Forum*.
2. **Crist, J.D., Ortiz-Dowling, E.M., Shea, K.D.,** & Philips, L.R. Knowledge Gaps about End-of-Life Decision-Making among Mexican American Older Adults and their Family Caregivers. *Journal of Transcultural Nursing*.
3. Deneui, T., **Berg, J.,** & Howson, A. Best Practices in care for the menopausal patient: Sixteen years after the Women's Health Initiative. *Journal of the American Association of Nurse Practitioners*.
4. Dunn Lopez, K., **Gephart, S.M.,** & Hershberger, P. Using online surveys to enhance rigor and efficiency of structured literature reviews. *Western Journal of Nursing Research*.
5. **Gephart, S.,** & Newnam, K. Closing the gap between recommended and actual human milk use for fragile infants- what will it take to overcome disparities? *Clinics in Perinatology*. Invited.
6. **Menon, U.,** Alcaraz, K., Ashing, K., Chang, M.W., Christy, S., Friberg-Felsted, K., et al. Applying the Behavioral Medicine CONNECT Framework to Precision Health and Health Disparities. *Nursing Research*.
7. **Menon, U., Szalacha, L.A.,** Kue, J., Herman, P., Bucho-Gonzalez, J., Lance, P., Larkey, L. Testing a Dissemination and Implementation Strategy for Navigating Underserved People to CRC Screening in a Community Setting. *American Journal of Preventive Medicine*.
8. **Pace, T.W.W.,** Dodds, S.E., Sikorskii, A., **Badger, T.A.,** Segrin, C., Negi, L.T., Harrison, T., **Crane, T.E.** Cognitively-Based Compassion Training Versus Cancer Health Education to Improve Health-Related Quality of Life in Survivors of Solid Tumor Cancer and Their Informal Caregivers: Study Protocol for a Randomized Controlled Trial. *Trials*.
9. **Shea, K., Brewer, B.B., Carrington, J.M., Davis, M., Gephart, S.M., Rosenfeld, A.** A model to evaluate data science in nursing doctoral curricula. *Nursing Outlook*.
10. **Shea, K., Crist, J.D., Ortiz-Dowling, E.M.,** & Philips, L.R. Informal Institutional Policy that may Influence End-of-Life Discussions with Mexican Americans: What We Know, What We Don't. *Journal of Arizona Geriatric Society*.
11. Wang, J., **Gephart, S.,** Mallow, J., & Bakken, S. Models of collaboration and dissemination for nursing informatics innovations in the 21st century. *Nursing Outlook*.
12. Yuan, N.P., Nair, U.S., **Crane, T.E.,** Krupski, L., Collins, B.N., Bell, M.L. Impact of changes in Home Smoking Bans on Tobacco Cessation among Quitline Callers. *Health Education Research*.

Articles Published

1. Li, A., Quan, S.F., **Silva, G.E.,** Perfect, M.M., Roveda, J.M., A Novel Artificial Neural Network Based Sleep-Disordered Breathing Screening Tool. *J Clin Sleep Med*. 2018; 14(6):1063-1069.
2. Merianos, A.L., **Gordon, J.S.,** Wood, J.K., & Mahabee-Gittens, E.M. (2018). Recent Trends in National Institutes of Health Funding for Tobacco: 2006 and 2016. *American Journal of Health Promotion*, Epub ahead of print, 1-6. doi: 10.1177/0890117118779013.
3. **Rothers, J.,** Stern, D.A., Lohman, I.C., Spangenberg, A., Wright, A.L., Devries, A., Vercelli, D., Halonen, M. Maternal cytokine profiles during pregnancy predict asthma in



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- children of nonasthmatic mothers. *Am J Respir Cell Mol Biol.* 2018 Jun 4. doi: 10.1165/rcmb.2017-0410OC. [Epub ahead of print]
<https://www.ncbi.nlm.nih.gov/m/pubmed/29863910/>
- Wung, S.F.**, Schatz, M.R. (2018). Critical care nurses' cognitive ergonomics related to medical device alarms. *Critical Care Nursing Clinics North America.* June; 30(2): 191-202.
DOI:[10.1016/j.cnc.2018.02.002](https://doi.org/10.1016/j.cnc.2018.02.002)
- Wung, S.F.** (2018). Preface: Human Factors and Technology in the ICU. *Critical Care Nursing Clinics North America.* June; 30(2): xi-xii. DOI:[10.1016/j.cnc.2018.03.001](https://doi.org/10.1016/j.cnc.2018.03.001)
- Tobacco Smoke Exposure in the Urgent Care Setting. *Pediatric Emergency Care.*
- Nair, U., Thomson, C., Reikowsky, R. Wagener, E., **Gordon, J.S.** Quit Outcomes and Program Utilization by Mode of Entry among Clients Enrolling in a Quitline. *American Journal of Health Promotion.*
- Ruppel, H., Funk, M., Kennedy, H.P., Bonafide C., **Wung, S.F.**, Whittemore, R. (2018). Challenges of Customizing Electrocardiography Alarms in Intensive Care Units: A Mixed Methods Study, *Heart & Lungs.*
- Sikorskii, A., Victorson, D., O'Connor, P., Hankin, V., Safikhani, A., **Crane, T., Badger, T.**, Wyatt, G. PROMIS and Legacy Measures Compared in a Supportive Care Intervention for Breast Cancer patients and Caregivers: Experience from a Randomized Trial. *Psycho-Oncology.*

Articles in Press

- Akers, L., Andrews, J.A., & **Gordon, J.S.** A Multimedia Support Skills Intervention for Female Partners of Male Smokeless Tobacco Users: Use and Perceived Acceptability. *JMIR Formative Research.* doi: 10.2196/jmir.9948.
- Allen, A. Carlson, S., Bosch, T., Eberly, L., Okuyemi, K., Nair, U., & **Gordon, J.S.** High Intensity Interval Training and Continuous Aerobic Exercise Interventions to Promote Self-Initiated Quit Attempts in Smokers: Feasibility, Acceptability, and Lessons learned from a Randomized Pilot Trial. *Journal of Addiction Medicine.*
- Chou, P.L., **Wung, S.F.**, Lin, P.L. (2018). Geographic Diversity in Genotype Frequencies and Meta-Analysis of the Association between rs1801282 Polymorphisms and Gestational Diabetes Mellitus. *Diabetes Research and Clinical Practice.*
- Mahabee-Gittens, E.M., Dexheimer, J., Tabangin, M., Khoury, J., Merianos, A., Stone, L., Meyers, G., **Gordon, J.S.** Utilization of a Clinical Decision Support Tool to Reduce Child

Book Chapters Submitted

- Crane, T.E.** & Thomson, C.A. Nutrition and Cancer Survivorship. *Oncology Nutrition for Clinical Practice, 2nd edition.* June 2018.

Presentations

- Bethel, C.** Perceptions of travel nurses' onboarding needs. Association for Nursing Professional Development (ANPD) Annual Convention. Phoenix, AZ. April 1-4, 2019.
- Crane, T.E.**, Eat to Thrive After a Diagnosis of Cancer. Shaw Cancer Center Inaugural Symposium for Cancer Survivorship. Vail, CO. June 3, 2018.
- Gephart, S.M.** Innovating within the Electronic Health Record for Quality Care to Reduce Complications of Prematurity. National Pediatric



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Nurse Scientist Collaborative 2018 Research Fly-In. Milwaukee, WI, May 18, 2018. Invited.

4. **Gephart, S.**, Tolentino, A., Quinn, M., Wyles, C., Surcouf, J. & Fry, E. NICU Workflow and Technical Needs to Prevent and Support Timely Recognition of Necrotizing Enterocolitis with NEC-Zero CDS. AMIA 2018 Clinical Informatics Conference, Scottsdale, AZ. May 9, 2018.
5. **Kiser, L.** Integrative Nursing Techniques. Third International Nursing Conference, Universidad de Sonora, Hermosillo, MX. March 23, 2018.
6. **Kiser, L., Perez, L.**, Integrative Nursing and Transforming Nursing Education. Third International Nursing Conference, Universidad de Sonora, Hermosillo, MX. March 23, 2018.
7. **Ortiz-Dowling, E.M., Crist, J.D., Philips, L., & Shea, K.** Gender-related Differences that Influence Mexican Americans' End-of-Life Decisions. American Public Health Association, Annual Meeting & Expo, San Diego, CA. November, 2018.
8. **Pace, T.** Compassion Meditation and Breast Cancer Survivors. Third International Nursing Conference, Universidad de Sonora, Hermosillo, MX. March 23, 2018.
9. **Perez, L.** Integrative Nursing Programs. Third International Nursing Conference, Universidad de Sonora, Hermosillo, MX. March 23, 2018.
10. **Shea, K., Crist, J.D., Ortiz-Dowling, E.M., & Philips, L.** What We Don't Know About How Informal Institutional Policy May Influence End-of-Life Discussions with Mexican Americans. American Public Health Association, Annual Meeting & Expo, San Diego, CA. November, 2018.

Abstracts Submitted for Presentations

1. **Crist, J.D., Coats, H., O'Connor, K.** Intersubjectivity: Giving Voice to the Silence Interpersonal and Community Levels of Influence: Latino Caregiving Families. Abstract submitted to the International Institute for Qualitative Methodology for October national scientific meeting, Halifax, UK.
2. **Crist, J.D., Ortiz-Dowling, E.M., Shea, K., & Philips, L.** Caregiving Families' Voices: Integrative Review of Research on Mexican American Elders' Use of End-of-Life Care. Abstract submitted to Gerontological Society of America for November, 2018 national scientific meeting, Boston, MA.

Blog Posts

1. **Gephart, S.** (April 4, 2018). Spreading information to prevent complications in fragile infants: the NEC-Zero Project. Southwest Telehealth Resource Center Blog. Available at: <https://southwesttrc.org/blog/2018/spreading-information-prevent-complications-fragile-infants-nec-zero-project>.
2. Slebodnik, M., **Gephart, S.** & Wyles, C. (June 4, 2018). NNLM PSR Express Outreach Award Highlights: Reducing fatal complication of prematurity with NEC-Zero at the University of Arizona. Pacific Southwest Region of National Network of Libraries of Medicine Latitudes Blog. Available at: <https://news.nlm.gov/psr-latitudes/nec-zero-project-outreach-award/>.