HOT ITEMS

Urology Care Foundation Summer Medical Student Fellowships: Request for Applications

The Urology Care Foundation offers a portfolio of mentored research training awards intended to recruit outstanding young investigators into urologic research and foster their career success. This fellowship program is designed to attract high-caliber medical students to urologic research by engaging them in summer research fellowships alongside world-class urologic scientists. Awardees receive $4,000 stipends to support them during a ten-week mentored research experience.

Apply Now

Research Grant Program: Oxalosis & Hyperoxaluria Foundation

The Oxalosis & Hyperoxaluria Foundation is currently soliciting research proposals for its Fall 2016 cycle. The OHF supports research that will ultimately lead to new diagnostics, treatments, and/or a cure for primary hyperoxaluria and related hyperoxaluric conditions. Up to $100,000 total cost per project per year can be requested, with a maximum project length of 2 years. Meritorious projects are selected after a rigorous scientific review process. The application deadline is November 1, 2016.

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Surgical Disparities Research (R01)

The purpose of this Funding Opportunity Announcement (FOA) is to support investigative and collaborative research focused on understanding and addressing disparities in surgical care and outcomes, in minority and health disparity populations. While the goal is to better understand and explore effectiveness of clinical intervention approaches for addressing surgical disparities, this initiative will also seek to identify multi-level strategies at the institutional and systems level. The application deadline is November 4, 2016.

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Exploratory/Developmental Surgical Disparities Research (R21)

The purpose of this Funding Opportunity Announcement (FOA) is to encourage developmental and exploratory research focused on understanding and addressing disparities in surgical care and outcomes, in minority and health disparity populations. The goal is to better understand and explore effectiveness of clinical intervention approaches for addressing surgical disparities, while employing multi-level strategies at the institutional and systems level. The application deadline is November 4, 2016.

Weight Loss Leads to Strong Increase in Appetite

Analysis of a trial that used the drug canagliflozin found that as people lost weight, their appetite increased proportionately, leading to consumption of more calories and weight loss plateau (leveling off). The findings provide the first measurement in people of how strongly appetite counters weight loss as part of the body’s feedback control system regulating weight. Results are currently available on BioRxiv and will publish in Obesity during Obesity Week 2016.

Sexual and Gender Minorities Formally Designated as a Health Disparity Population

The term Sexual and Gender Minorities (SGM) encompasses lesbian, gay, bisexual, and transgender populations as well as those whose sexual orientation, gender identity and expressions, or reproductive development varies from traditional, societal, cultural, or physiological norms. Mounting evidence indicates that SGM populations have less access to health care and higher burdens of certain diseases, such as depression, cancer, and HIV/AIDS. But the extent and causes of health disparities are not fully understood, and research on how to close these gaps is lacking.

Social Epigenomics Research Focused on Minority Health and Health Disparities (R01)

The purpose of this Funding Opportunity Announcement (FOA) is to support and accelerate human epigenomic investigations focused on identifying and characterizing the mechanisms by which social experiences at various stages in life, both positive and negative, affect gene function and thereby influence health trajectories or modify disease risk in racial/ethnic minority and health disparity populations. The application deadline is November 15, 2016.
Social Epigenomics Research Focused on Minority Health and Health Disparities (R21)

The purpose of this Funding Opportunity Announcement (FOA) is to support and accelerate innovative exploratory and developmental human epigenomic investigations focused on identifying and characterizing the mechanisms by which social experiences at various stages in life, both positive and negative, affect gene function and thereby influence health trajectories or modify disease risk in minority and health disparity populations. The application deadline is November 15, 2016.

View FOA

Oncology Co-Clinical Imaging Research Resources to Encourage Consensus on Quantitative Imaging Methods and Precision Medicine (U24)

The purpose of this Funding Opportunity Announcement (FOA) is to invite Cooperative Agreement applications to develop research resources that will encourage a consensus on how Quantitative Imaging (QI) methods are optimized to improve the quality of imaging results for co-clinical trials. The scientific goals of this FOA are to: (a) perform the appropriate optimization of the pre-clinical quantitative imaging methods, (b) implement the optimized methods in the co-clinical trial, and finally (c) populate a web-accessible research resource with all the data, methods, workflow documentation, and results collected from the co-clinical investigations. Co-clinical trials are defined in this FOA as investigations in patients and in parallel (or sequentially) in mouse or human-in-mouse models of cancer that mirror the genetics and biology of the patients' malignancies or pre-cancerous lesions. The co-clinical trial should include either (a) a therapeutic goal, such as the prediction, staging, and/or measurement of tumor response to therapies, or (b) a screening and early detection or a cancer risk stratification goal for lethal cancer versus non-lethal disease. The application deadline is November 17, 2016.

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Kidney Precision Medicine Project – Central Hub (U2C)

This Funding Opportunity Announcement (FOA) requests applications for the Kidney Precision Medicine Project (KPMP) Central Hub (CH) to aggregate, analyze and visualize all participant data and samples and to provide scientific, infrastructure and administrative support for the entire KPMP. The CH will collaborate with the KPMP Recruitment Sites and Tissue Interrogation Sites to obtain and evaluate kidney biopsies from participants with acute kidney injury or chronic kidney disease, create a kidney tissue atlas, define disease subgroups, and identify cells, pathways and targets for novel therapies. The application deadline is December 6, 2016.

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Kidney Precision Medicine Project - Recruitment Sites (UG3/UH3)

This Funding Opportunity Announcement (FOA) requests applications for the Kidney Precision Medicine Project (KPMP) Recruitment Sites (RS) to recruit adult men and women with either acute kidney injury (AKI) or chronic kidney disease (CKD) for longitudinal cohort studies that include a research kidney biopsy. The RS should work collaboratively to capture
demographic information, conduct longitudinal clinical phenotyping, and collect biological samples in a standardized manner. It is anticipated that the KPMP will change clinical culture and paradigms so that clinical and research kidney biopsies are performed more commonly in people with AKI and CKD. **The application deadline is December 6, 2016.**

### Kidney Precision Medicine Project – Tissue Interrogation Sites (UG3/UH3)

This Funding Opportunity Announcement (FOA) requests applications for the Kidney Precision Medicine Project (KPMP) Tissue Interrogation Sites (TIS) to improve the structural, histologic and molecular assessment of kidney tissue from people with acute kidney injury (AKI) and chronic kidney disease (CKD). The TIS should: 1) investigate kidney cell and disease heterogeneity in tissue sections and/or dissociated cells, 2) generate high-quality data and images for a kidney tissue atlas, 3) facilitate the structural, histologic and molecular assessment of cellular “states” associated with healthy function, activation, injury, recovery, and adaptive and maladaptive repair, 4) develop novel methods to distinguish diseased from non-diseased areas of kidney, and 5) identify robust structural, histologic and molecular signatures and pathways that can be used to accurately phenotype individuals with AKI or CKD to inform future diagnostic, prognostic or therapeutic selection schemes (subgroups). **The application deadline is December 6, 2016.**

### Microphysiological Systems (MPS) for Disease Modeling and Efficacy Testing (UG3/UH3)

This FOA invites applications for the Microphysiological Systems (MPS) for Disease Modeling and Efficacy Testing Program to develop highly reproducible and translatable in vitro models for preclinical efficacy studies through discovery and validation of translatable biomarkers, development of standardized methods for preclinical efficacy testing and definitive efficacy testing of candidate therapeutics using best practices and rigorous study design. An essential feature will be a multidisciplinary approach that brings together experts in bioengineering, microfluidics, material science, “omic” sciences, computational biology, disease biology, pathology, electrophysiology, pharmacology, biostatistics and clinical science. **The application deadline is December 13, 2016.**

### BD2K Support for Meetings of Data Science Related Organizations (U13)

The purpose of this Funding Opportunity Announcement (FOA) is to support high quality and impactful conferences/scientific meetings that are convened by data science related organizations whose missions focus on biomedical data science. This FOA, which uses the NIH conference cooperative agreement program (U13), is part of the NIH-wide initiative, Big Data to Knowledge (BD2K). Data science related organizations have a critical role in advancing biomedical data science but often depend on meetings to carry out their work. This FOA will support high quality conferences or meetings that are relevant to the biomedical data science needs of the participating Institutes and Centers of the National Institutes of Health. **The application deadline is December 15, 2016.**
Developmental Mechanisms of Human Structural Birth Defects (P01)

The purpose of this funding opportunity announcement (FOA) is to support innovative, multidisciplinary, interactive, and synergistic program projects that integrate basic, translational, and clinical approaches to understanding the developmental biology and genetic basis of significant congenital human malformations. To contain costs, each program project will consist of only three component research projects, as well as associated cores. At least one project must use basic research in an animal model system and at least one project must be clinical or translational in nature. The component research projects must share a common central theme, focus, or objective on a specific major developmental defect or malformation that is genotypically, mechanistically, biologically, or phenotypically analogous or homologous in both animal models and humans. Any non-mammalian or mammalian animal model may be used, as long as it contributes to the common overall theme or objective of the program project. The component research projects should share a common developmental gene, process, mechanism, pathway, or phenotype. The application deadline is December 16, 2016.

National Cancer Institute Program Project Applications (P01)

With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications for investigator-initiated Program Project (P01) applications. The proposed Program may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer prevention, cancer diagnosis, cancer treatment, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate. Each application submitted in response to this FOA must consist of at least three research projects and an Administrative Core. The projects must share a common central theme, focus, and/or overall objective. The application deadline is January 25, 2016.