Human-Animal Interaction (HAI) Research

**Deadlines:** June 27, 2017  
**Funding Amount:** Varied

This Funding Opportunity Announcement (FOA) invites grant applications for research to examine

1) The impact of HAI on typical and atypical child development and health;
2) The evaluation of animal-assisted intervention for children and adults with disabilities or in need of rehabilitative services;
3) The effects of animals on public health, including cost effectiveness of involving animals in reducing and preventing disease.

The objective of this program of research is to encourage interdisciplinary studies to determine the impact of HAI in and outside the home environment on child and adolescent health and development, as well as therapeutically across the lifespan, through observational studies, experiments and clinical trials. For the adult population, the objective of this FOA is to build the empirical evidence base around animal-assisted interventions for those with intellectual, developmental or physical disabilities, and for those in need of therapeutic and/or rehabilitative services.


Centers of Excellence for Training in Glycosciences

**Deadlines:** June 29, 2017  
**Funding Amount:** Varied

The objective of this research career program is to create a national Consortium that focuses on career development of the next generation of biomedical investigators in glycosciences. The ultimate goal of the Consortium is to transform and democratize glycosciences from a super-specialized research domain into the mainstream of biology and clinical translation such that glycans become an integral component of future scholars' investigators' scientific thinking, thus creating a pathway for major scientific breakthroughs specifically in heart, lung, blood and sleep (HLBS) sciences. One objective of this K12 career development program is to foster a core of emerging biomedical scientists in basic and applied glycomics, using a combination of didactic instructions and skills development in laboratory glycomics within the context of a well-defined and timely translational glycomics project in HLBS sciences. The goal of this program is to enable a nationwide effort towards translation of knowledge from basic structural glycomics to applications in clinical medicine relevant to heart, lung, blood and sleep disorders by utilizing advances from structural glycan analysis to manipulation of these complex sugars for the evaluation of their roles as mediators in physiology, disease processes, diagnostics and therapeutics.

Enhancing Science, Technology, Engineering, and Math Educational Diversity (ESTEEMED) Research Education Experiences

**Deadlines:** May 24, 2018  **Funding Amount:** Unspecified

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this National Institute of Biomedical Imaging and Bioengineering (NIBIB) program is to support educational activities that enhance the diversity of the biomedical, behavioral and clinical research workforce.

To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on **Research Experiences** and **Mentoring Activities** for underrepresented undergraduate freshmen and sophomores in a science, technology, engineering, or mathematics (STEM) field, especially those fields which broadly impact bioengineering. The ESTEEMED program is intended to support underrepresented racial and ethnic groups, individuals with disabilities, and individuals from disadvantaged backgrounds. It will prepare these participants for an Advanced Honors Program, such as a MARC U-STAR (T34) program and institutional program with similar goals, in the junior and senior years and subsequently, to pursue a Ph.D. or M.D./Ph.D. degree and a biomedical research career in academia or industry.


Planning Grants for Pragmatic Research in Healthcare Settings to Improve Diabetes and Obesity Prevention and Care

**Deadlines:** November 01, 2017  **Funding Amount:** Unspecified

The purpose of this Funding Opportunity Announcement (FOA) is to encourage research applications to develop and pilot test approaches to improve diabetes and obesity prevention and/or treatment that are adapted for implementation in healthcare settings where individuals receive routine medical care. Research applications should be designed to pilot test practical and sustainable strategies to improve processes of care and health outcomes for individuals with or at risk of diabetes and/or obesity. The goal is that, if the pilot study shows promising results, the data from the R34 will be used to support a full-scale trial focused on improving routine healthcare practice and informing healthcare policy for the prevention or management of diabetes and obesity.

This funding announcement strongly encourages applications to pilot test pragmatic research designs. Pragmatic research evaluates the effectiveness of interventions or therapeutic approaches in research designed to maximize applicability of the trial’s results to healthcare settings where individuals receive their routine medical care. Therefore, the research should make use of staff, resources, and facilities in healthcare setting/s where routine care is provided (e.g., in- and out-patient settings, pharmacy services, nursing facilities, etc.). **Proposed interventions should not primarily rely on research staff for implementation and should be well integrated into the healthcare system.** The healthcare setting should not simply be used as a venue for recruitment.


“**In the end you will remember not the words of your enemies but the silence of your friends.**”

*Martin Luther King, Jr.*