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1. RFA-DA-16-006 : Tools for Monitoring and Manipulating Modified RNAs in the Nervous System (R41/R42)

Release Date: 07-21-2015Open Date: 10-18-2015Due Date: 11-18-2015Close Date: 11-18-2015

Background Chemical modifications play a crucial role in the regulation of biological processes. For example, the function of a protein is often modulated by its stable tagging with phosphates, sugars, or lipids, while epigenomic marks on DNA or histones can help dial gene expression up or down. One area that lags behind is the systematic characterization of all the chemical modificati ...

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2. RFA-HL-15-026: HHS STTR RFA-HL-15-026

Release Date: 12-03-2014Open Date: 01-09-2015Due Date: 11-09-2015Close Date: 11-09-2015

Background Twenty-five years after discovery of the gene that causes cystic fibrosis (CF), we now are witnessing the emergence of drug therapies that target the fundamental molecular dysfunctions associated with mutations in the CF transmembrane conductance regulator (CFTR) gene. While these novel therapies offer an exciting prospect for modifying disease outcomes in CF, they may complicate even ...

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3. 001: Non- or Minimally-Invasive Methods to Measure Biochemical Substances during Neonatal and Perinatal Patient Care and Research (R41)

Release Date: 06-22-2015Open Date: 06-15-2015Due Date: 08-24-2015Close Date: 08-24-2015

Purpose The primary purpose of this initiative is to stimulate translational research by inviting small businesses with bioengineering and biomedical expertise to collaborate to develop advanced, non- or minimally invasive methods for rapid measurement and monitoring of biochemical substances during the care of perinatal (pregnant women and newborn infants) and pediatric patient populations. The m ...

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4. RFA-AT-16-004: HHS STTR RFA-AT-16-004

Release Date: 04-03-2015Open Date: 07-05-2015Due Date: 08-05-2015Close Date: 08-05-2015

Background Natural products are essential sources of medicines. The World Health Organization estimates that ~80% of the world's population relies on traditional medicines made from natural products. The modern pharmaceutical industry is also dependent on plant-based medicines, with as much as 50% of all drugs based on natural products or derived from a natural product origin. Clearly, pla ...

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5. 001: Tools and Services for Designing Methodologically Rigorous Animal Studies (R41/R42)

Release Date: 07-05-2015Open Date: 07-05-2015Due Date: 08-05-2015Close Date: 08-05-2015

Research Objectives Animal studies play a vital role in science. In scientific research, laboratory animals are used to develop and test putative medications, to elucidate normal biological processes, and to study genes/mutations found in both animals and humans, among others. National Institutes of Health (NIH) is diligent in following the guidelines for ethical conduct in the care and use of ani ...

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6. 001: Technologies for Improving Population Health and Eliminating Health Disparities (R41/R42)

Release Date: 06-23-2015Open Date: 06-23-2015Due Date: 07-23-2015Close Date: 07-23-2015

Purpose The purpose of this funding opportunity is to stimulate a partnership of ideas and technologies between innovative small business concerns (SBCs) and non-profit research institutions resulting in improving minority health and the reduction of health disparities by commercializing innovative technologies. Healthy People 2020 defines a health disparity as a particular type of health differen ...

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7. PA-14-072: HHS STTR PA-14-072

Release Date: 01-17-2014Open Date: 03-05-2014Due Date: 05-07-2015Close Date: 05-07-2015

The STTR program, as established by law, is intended to stimulate a partnership of ideas and technologies between innovative small business concerns (SBCs) and non-profit research institutions through Federally-funded research or research and development (R/R&D). By providing awards to SBCs for cooperative R/R&D efforts with non-profit research institutions, the STTR program assists the sm ...

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8. RFA-AA-15-007: HHS STTR RFA-AA-15-007

Release Date: 12-18-2014Open Date: 03-07-2015Due Date: 04-07-2015Close Date: 04-07-2015

Rapid advances are being made in wearable technology, including clothing, jewelry and other devices with broadly diverse functions that meet medical or consumer needs. This FOA seeks applications from small businesses that propose to design and produce a wearable device to monitor blood alcohol levels in real time. Alcohol detection technology for personal alcohol monitoring has been successful ...

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9. RFA-HL-15-029: HHS STTR RFA-HL-15-029

Release Date: 11-06-2014Open Date: 01-20-2015Due Date: 02-20-2015Close Date: 02-20-2015

Background Stem cell-derived red blood cell (RBC) and platelet products have the potential to meet critical medical needs. Engineered RBCs might deliver drugs or biologic factors to treat diseases including inherited or acquired deficiencies. Blood cells derived from stem cells might be transfused into patients with sickle cell disease for whom compatible RBCs cannot be easily identifie ...

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10. RFA-ES-15-005: HHS STTR RFA-ES-15-005

Release Date: 11-24-2014Open Date: 01-13-2015Due Date: 02-13-2015Close Date: 02-13-2015

Several U.S. government sponsored programs, including the U.S. Tox21 program (http://ntp.niehs.nih.gov/go/tox21) and the U.S. EPA's ToxCast program (http://www.epa.gov/ncct/toxcast/), were developed to expand the scope and throughput of screening compounds for toxicity. A primary focus of these programs is on the use of in vitro methods and assays using lower organisms to screen thousands of ...

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