HCESC
Health Care Engineering Systems Center

HCESC Brown Bag lunch meeting to discuss synergies and funding opportunities in the area of "Healthy Aging and Technologies for Independent Living."

Monday, June 20, 2016
12:00 noon-1:00 pm
Room 301 CSL

Please **REGISTER** to attend

In this forum we will explore the following NIH FOAs:

- **Technologies for Healthy Independent Living (R01)**
  Letter of Intent due Date: 30 days before the application due date
  Deadline: September 23, 2016, by 5:00 PM local time of applicant organization.

This FOA encourages Research Project Grant (R01) applications for research and development of technologies that monitor health or deliver care in a real-time, accessible, effective, and minimally obtrusive way. These systems are expected to integrate, process, analyze, communicate, and present data so that the individuals are engaged and empowered in their own healthcare with reduced burden to care providers. The development of these technology systems has the potential to significantly improve the quality of life for people with disabilities, people aging with mild impairments, as well as individuals with chronic conditions.

- **mHealth Tools for Individuals with Chronic Conditions to Promote Effective Patient-Provider Communication, Adherence to Treatment and Self-Management (R01)**
  Letter of Intent due Date: None
  Due Dates: Standard dates apply, by 5:00 PM local time of applicant organization.

The purpose of this initiative is to stimulate research utilizing Mobile Health (mHealth) tools aimed at the improvement of effective patient–provider communication, adherence to treatment and self-management of chronic diseases in underserved populations. With the rapid expansion of cellular networks and substantial advancements in Smartphone technologies, it is now possible - and affordable - to transmit patient data digitally from remote areas to specialists in urban areas, receive real-time feedback, and capture that consultation in a database. These mHealth tools, therefore, may facilitate more timely and effective patient-provider communication through education communication around goal setting, treatment reminders, feedback on patient progress and may improve health outcomes. This announcement encourages the development, testing and comparative effective analysis of interventions utilizing mHealth technologies. There is also an interest in studying mHealth technologies in underserved populations.

- **Design and Development of Novel Technologies for Healthy Independent Living (R21)**
  Letter of Intent due Date: 30 days before the application due date
  Deadline: September 23, 2016, by 5:00 PM local time of applicant organization.

This FOA encourages Exploratory/ Developmental Research Project (R21) applications for design and development of novel technologies to monitor health or deliver care in a real-time, accessible, effective, and minimally obtrusive way. These may be novel sensor or monitoring systems, home-use point-of-care devices, home or mobile therapy or rehabilitation tools, or information systems and should have the goal of fostering healthy and independent living. The development of such technologies has the potential to significantly improve the quality of life for people with disabilities, people aging with mild impairments, as well as individuals with chronic conditions.

- **Smart and Connected Health**
  Deadline: To be Announced

The goal of the Smart and Connected Health (SCH) Program is to accelerate the development and use of innovative approaches that would support the much needed transformation of healthcare from reactive and hospital-centered to preventive, proactive, evidence-based, person-centered and focused on well-being rather than disease. Approaches that partner technology-based solutions with biobehavioral health research are supported by multiple agencies of the federal government including the National Science Foundation (NSF) and the National Institutes of Health (NIH). The purpose of this program is to develop next generation health care solutions and encourage existing and new research communities to focus on breakthrough ideas in a variety of areas of value to health, such as sensor technology, networking, information and machine learning technology, decision support systems, modeling of behavioral and cognitive processes, as well as system and process modeling.