The uncertainty of the past few weeks has created many difficult situations due to the government shutdown. However, the National Institutes of Health’s Loan Repayment Programs have resumed and we are pleased to report that we are once again accepting applications for 2014 loan repayment awards. The current cycle has been extended through December 2, 2013. Supplemental materials from colleagues and supervisors will be accepted through December 16, 2013. The LRPs repay the outstanding student loans of researchers who are or will be conducting nonprofit biomedical or behavioral research. New LRP contracts are awarded for a two-year period and repay up to $35,000 of qualified educational debt annually. Tax offsets also are provided as additional benefits. Participants may apply for competitive renewals, which are issued for one or two years. Undergraduate, graduate, medical school, and other health professional school loans qualify for repayment. An NIH grant or other NIH funding is not required to apply for or participate in the LRPs. New LRP contracts are awarded for a two-year period and repay up to $35,000 of qualified educational debt annually. Tax offsets also are provided as additional benefits. Participants may apply for competitive renewals, which are issued for one or two years. Undergraduate, graduate, medical school, and other health professional school loans qualify for repayment. An NIH grant or other NIH funding is not required to apply for or participate in the LRPs.

This Funding Opportunity Announcement (FOA) encourages applications for developing and testing innovative theories and computational, mathematical, or engineering approaches to deepen our understanding of complex social behavior. This research will examine phenomena at multiple scales to address the emergence of collective behaviors that arise from individual elements or parts of a system working together. Emergence can also describe the functioning of a system within the context of its environment. Often properties we associate with a system itself are in actuality properties of the relationships and interactions between a system and its environment. This FOA will support research that explores the often complex and dynamic relationships among the parts of a system and between the system and its environment in order to understand the system as a whole. To accomplish the goals of this initiative, we encourage applications that build transdisciplinary teams of scientists spanning a broad range of expertise. Minimally this team should include...
investigators with expertise in the behavioral or social sciences as well as in computational and systems modeling (computer science, mathematics, engineering, or other systems sciences). Applications should demonstrate bridge-building between disciplines, scales and levels.

**Keywords:** cancer prevention, physical activity, decision-making behavioral interventions

National Cancer Institute


Letter of Intent Due: 30 Days Before Application

Deadline: January 15, 2014, and June 20, 2014

The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research projects designed to solve specific problems and paradoxes in cancer research identified by the NCI Provocative Questions initiative. These problems and paradoxes phrased as questions are not intended to represent the full range of NCI's priorities in cancer research. Rather, they are meant to challenge cancer researchers to think about and elucidate specific problems in key areas of cancer research that are deemed important but have not received sufficient attention. List of PQs for this FOA:

PQA1: (Rewritten for 2013) How do decision-making processes influence habitual behaviors, and how can that knowledge be used to design strategies that lead to adoption and maintenance of behaviors that reduce cancer risk?

PQA2: (Retained from 2012) How does the level, type, and/or duration of physical activity influence cancer risk and prognosis?

PQA3: (Rewritten for 2013) What biological mechanisms influence susceptibility to cancer risk factors at various stages of life?

PQA4: (Rewritten for 2013) For tumors that arise from a pre-malignant field, what properties of cells in this field can be used to design strategies to inhibit the development of future tumors?

**Health Services Management**

**Keywords:** patient safety, implementation, healthcare provision

Cardinal Health Foundation

E3 Grant Program


Deadline: December 6, 2013

Cardinal Health develops and supports programs that help healthcare providers implement best practices that can truly transform patient care. Over the past six years, the Cardinal Health Foundation has invested more than $6.15 million, in a wide variety of programs, to improve healthcare efficiency, cost-effectiveness and quality. Again this year, the Cardinal Health Foundation is seeking proposals from healthcare institutions that will impact the efficiency and quality of care. Grants between $7,500 and $35,000 will be awarded to approximately 25 organizations in 2014. Focus areas include: •Medication safety across transitions of care from the acute setting to the community/home. •Operating room efficiency. Testing the AORN protocol to assess risk and implement changes to reduce pressure ulcers in the operating room. •Implementing protocols to
improve infant outcomes for babies born addicted to opiates using a protocol developed by Ohio children's hospitals.

**Keywords:** transitions of care, cancer, care delivery

National Cancer Institute

Research Answers to NCI's Provocative Questions: Group E (Clinical Effectiveness)


Letter of Intent Due: 30 Days Before Application

Deadline: January 15, 2014, and June 20, 2014

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- PQE1: (New for 2013) What strategies optimize adoption and sustainability of guideline concordant cancer treatments in community settings?
- PQE2: (New for 2013) What care delivery models can be developed to transition cancer patients effectively from active therapy to end of life care?
- PQE3: (New for 2013) What methods and approaches induce physicians and health systems to abandon ineffective interventions or discourage adoption of unproven interventions?
- PQE4: (New for 2013) What are the best methods to identify and stratify subgroups of patients with particular co-morbidities who will benefit from defined cancer therapies?

**Epidemiology**

**Keywords:** collective behavior, behavioral modeling, systems analysis

National Institutes of Health

Modeling Social Behavior (R01)


Deadline: Standard deadlines

This Funding Opportunity Announcement (FOA) encourages applications for developing and testing innovative theories and computational, mathematical, or engineering approaches to deepen our understanding of complex social behavior. This research will examine phenomena at multiple scales to address the emergence of collective behaviors that arise from individual elements or parts of a system working together. Emergence can also describe the functioning of a system within the context of its environment. Often properties we associate with a system itself are in actuality properties of the relationships and interactions between a system and its environment. This FOA will support research that explores the often complex and dynamic relationships among the parts of a system and between the system and its environment in order to understand the system as a whole. To accomplish the goals of this initiative, we encourage applications that build transdisciplinary teams of scientists spanning a broad range of expertise. Minimally this team should include...
investigators with expertise in the behavioral or social sciences as well as in computational and systems modeling (computer science, mathematics, engineering, or other systems sciences). Applications should demonstrate bridge-building between disciplines, scales and levels.

**Keywords: cancer prevention, physical activity, decision-making behavioral interventions**

National Cancer Institute

Research Answers to NCI’s Provocative Questions: Group A (Cancer Prevention and Risk)


**Letter of Intent Due: 30 Days Before Application**

**Deadline: January 15, 2014, and June 20, 2014**

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**Keywords: secondary data analysis, aging**

National Institute on Aging

Secondary Analyses of Social and Behavioral Datasets in Aging (R03)


**Letter of Intent Due: January 3, 2014**

**Deadline: February 3, 2014**

The purpose of this FOA is to solicit R03 applications for up to two years for secondary analysis of data on aging in the areas of psychology, social epidemiology, economics, sociology, and demography.

**Biostatistics**

**Keywords: collective behavior, behavioral modeling, systems analysis**

National Institutes of Health

Modeling Social Behavior (R01)

Deadline: Standard deadlines
This Funding Opportunity Announcement (FOA) encourages applications for developing and testing innovative theories and computational, mathematical, or engineering approaches to deepen our understanding of complex social behavior. This research will examine phenomena at multiple scales to address the emergence of collective behaviors that arise from individual elements or parts of a system working together. Emergence can also describe the functioning of a system within the context of its environment. Often properties we associate with a system itself are in actuality properties of the relationships and interactions between a system and its environment. This FOA will support research that explores the often complex and dynamic relationships among the parts of a system and between the system and its environment in order to understand the system as a whole.
To accomplish the goals of this initiative, we encourage applications that build transdisciplinary teams of scientists spanning a broad range of expertise. Minimally this team should include investigators with expertise in the behavioral or social sciences as well as in computational and systems modeling (computer science, mathematics, engineering, or other systems sciences). Applications should demonstrate bridge-building between disciplines, scales and levels.

**Keywords:** statistical methodology creation/evaluation, vaccine safety, secondary data analysis

National Institutes of Health

Research to Advance Vaccine Safety


Deadline: Standard deadlines

The purpose of this funding opportunity announcement (FOA) is to support research that will contribute to the overall understanding of vaccine safety. This research opportunity invites studies that address scientific areas potentially relevant to vaccine safety such as 1) physiological and immunological responses to vaccines and vaccine components, 2) how genetic variations affect immune/physiological responses that may impact vaccine safety, 3) identification of risk factors and biological markers that may be used to assess whether there is a relationship between certain diseases or disorders and licensed vaccines, 4) creation/evaluation of statistical methodologies for analyzing data on vaccine safety, including data available from existing data sources such as passive reporting systems, or 5) the application of genomic/molecular technologies to improve knowledge of vaccine safety. This Program Announcement aligns with the research goals and objectives outlined in the U.S. National Vaccine Plan ([http://www.hhs.gov/nvpo/vacc_plan/](http://www.hhs.gov/nvpo/vacc_plan/)).

**Keywords:** secondary data analysis, aging

National Institute on Aging

Secondary Analyses of Social and Behavioral Datasets in Aging (R03)


Letter of Intent Due: January 3, 2014

Deadline: February 3, 2014
The purpose of this FOA is to solicit R03 applications for up to two years for secondary analysis of data on aging in the areas of psychology, social epidemiology, economics, sociology, and demography.

**Gerontology**

**Keywords: secondary data analysis, aging**

National Institute on Aging
Secondary Analyses of Social and Behavioral Datasets in Aging (R03)
Letter of Intent Due: January 3, 2014
Deadline: February 3, 2014

The purpose of this FOA is to solicit R03 applications for up to two years for secondary analysis of data on aging in the areas of psychology, social epidemiology, economics, sociology, and demography.