American Recovery and Reinvestment Act (ARRA)- Impact of Economic Stimulus on NIH

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NIH is grateful to President Obama and Congress for the opportunity for NIH to play its part in improving the Nation’s health and economy.
Funding Impact

- Stimulate the economy
- Create and preserve jobs
- Advance biomedical research
ARRA appropriated $10B directly to NIH

$0.3B Extramural Scientific Equipment

$0.5B Intramural Repair, Improvements and Construction

$1B Extramural Repair, Improvements, & Construction

$8.2 B Extramural Scientific Research

ICs ($6.8B)  OD ($800M)  Common Fund ($120M)
ARRA appropriated $400M to NIH via AHRQ

$0.4B
CER

$0.3B
Extramural Scientific Equipment

$0.5B
Intramural Repair, Improvements and Construction

$1B
Extramural Repair, Improvements, & Construction

$8.2B
Extramural Scientific Research

ICs ($6.8B)  OD ($800M)  Common Fund ($120M)
Scientific Research Approach

- Stimulate and accelerate biomedical research with existing mechanisms
  - Funding additional meritorious RO1s, R21s and R03s that have been peer reviewed and approved by IC Councils
  - Administrative supplements to accelerate ongoing research

- Expand science with new programs
  - Revisions to extant programs ("Competitive supplements")
  - New ARRA NIH-wide programs
  - New ARRA IC-specific programs
New ARRA NIH-wide Programs

- Challenge Grants
- Grand Opportunities (“GO” Grants)
- Recruit new faculty to conduct research
- Provide summer jobs for high school / college students and teachers to work in science labs
- AREA (R15) Grants
Challenge Grants

- Challenge Grants (at least $200M total) provide:
  - Priority avenues of research
  - Up to $500K total costs/year for up to two years
Links to High Priority Topics Within Broad Challenge Areas (PDF - 556 KB):

01. Behavior, Behavioral Change, and Prevention
02. Bioethics
03. Biomarker Discovery and Validation
04. Clinical Research
05. Comparative Effectiveness Research (CER)
06. Enabling Technologies
07. Enhancing Clinical Trials
08. Genomics
09. Health Disparities
10. Information Technology for Processing Health Care Data
11. Regenerative Medicine
12. Science, Technology, Engineering and Mathematics Education (STEM)
13. Smart Biomaterials – Theranostics
14. Stem Cells
15. Translational Science
Grand Opportunity (GO) Grants (at least $200M total):
- High impact
- Well defined
- Large scale
Summer Jobs in Research for Students and Teachers

- Engage students and educators in research
- Encourage students to pursue research careers
- Provide summer internships at NIH-funded laboratories for science teachers
New Faculty

Core Centers for Enhancing Research Capacity in U.S. Academic Institutions

- Newly trained scientists
- Start-up packages
- Pilot research projects
- Recruitment of Bioethicists among the priorities
IC-specific RFAs: e.g. $60M Grants for Strategic Autism Research

- Research to Address the Heterogeneity in Autism Spectrum Disorders
  - Develop / test diagnostic screening tools
  - Assess risk from exposures
  - Test early interventions / adapt existing pediatric treatments for older groups
Additional Trans-NIH Supplement Programs

- Revisions (competitive supplements) – Due 4/21/09
- Administrative supplements – Multiple receipt dates
OD ARRA Funds ($800M)

- $328M to be determined
- $472M tentatively allocated as follows:
  - Extramural
    - $200M for Challenge Grants in Health and Science
    - $100M for Grand Opportunities (“GO Grants”)
    - $ 30M for OD-IC Community Signature projects
    - $ 30M for IC-OD Signature projects
    - $ 30M for OD-IC Small Business Program
    - $ 20M for Summer Training for Students/Teachers
    - $ 20M AREA (R15) Grants Program
    - $ 10M for Faculty Recruitment Program (Bioethics Faculty)
  - RMS for OD
    - $ 16M
  - Other OD Requirements
    - $ 15M for CC equipment
    - $ 1M for summer training for students/teachers
Common Fund ARRA Funds (136.8M)

- Stimulate and accelerate biomedical research within existing program areas
  - Fund additional New Innovator Grants that will be peer reviewed in FY2009 and FY2010
  - Administrative supplements to accelerate ongoing research
  - Competitive revisions to expand the breadth of research that can be accomplished
- Challenge grants that address needs identified through the CF planning process
- Grand Opportunity grants
NIH and Comparative Effectiveness Research

- NIH received $400M of the $1.1B appropriated for CER under the American Recovery and Reinvestment Act of 2009
- There is no consistent, HHS-wide, definition of CER at this time
- NIH’s involvement has included:
  - Participation on the Federal Coordinating Committee (NIH is represented by Dr. Betsy Nabel, Director, NHLBI)
  - Participation in the March 2009 Stakeholder meeting of the IOM CER Priority Setting Committee (the priority list is to be issued by June 2009)
  - NIH CER Coordinating Committee created to provide advice to the NIH Director on the best use of the CER stimulus funds, implementation of CER rules and definitions, et cetera.
  - NIH-AHRQ CER Subcommittee created to coordinate the CER dialogue with AHRQ
- NIH Fingerprinting Subcommittee
NIH and Comparative Effectiveness Research (cont.)

- NIH CER Opportunities Using ARRA Funds
  - Challenge Grants in Health and Science Research
  - 69 CER-specific submissions in the March 2009 Challenge Grant RFA
  - Research and Research Infrastructure Grand Opportunities ("GO Grants")
    - Deadline: Applications due May 27, 2009
  - Examples
    - NCI: “Centers for Planning and Evaluation for CER in Genomic and Personalized Medicine”
    - NHLBI: Projects that target heart, lung and blood diseases
- Stay Tuned- More to Come!
http://www.nih.gov/recovery

American Recovery & Reinvestment Act

Sign up to receive NIH and the American Recovery & Reinvestment Act e-mail updates.

Overview of the American Recovery and Reinvestment Act of 2009 (Recovery Act). The American Recovery and Reinvestment Act of 2009 (Recovery Act) was signed into law by President Obama on February 17th, 2009. It is an unprecedented effort to jumpstart our economy, create or save millions of jobs, and put a down payment on addressing long-neglected challenges so our country can thrive in the 21st century. The Act is an extraordinary response to a crisis unlike any since the Great Depression, and includes measures to modernize our nation's infrastructure, enhance energy independence, expand educational opportunities, preserve and improve affordable health care, provide tax relief, and protect those in greatest need.

Overview of the Recovery Act
http://www.hhs.gov/recovery/overview/index.html

RECOVERY.gov

Implementing the Recovery Act
http://www.hhs.gov/recovery/programs/index.html

Learn more about programs that issue grants under the Recovery Act
http://grants.nih.gov/recovery/

Announcements

Applications for $1.5 Billion in Recovery Act Funds Now Available

The NIH has designated at least $200 million in FYs 2009—2010 for a new initiative called the NIH Challenge Grants in Health and Science Research. This new program will support research on topic areas that address specific scientific and health research challenges in biomedical and behavioral research that would benefit from significant 2-year