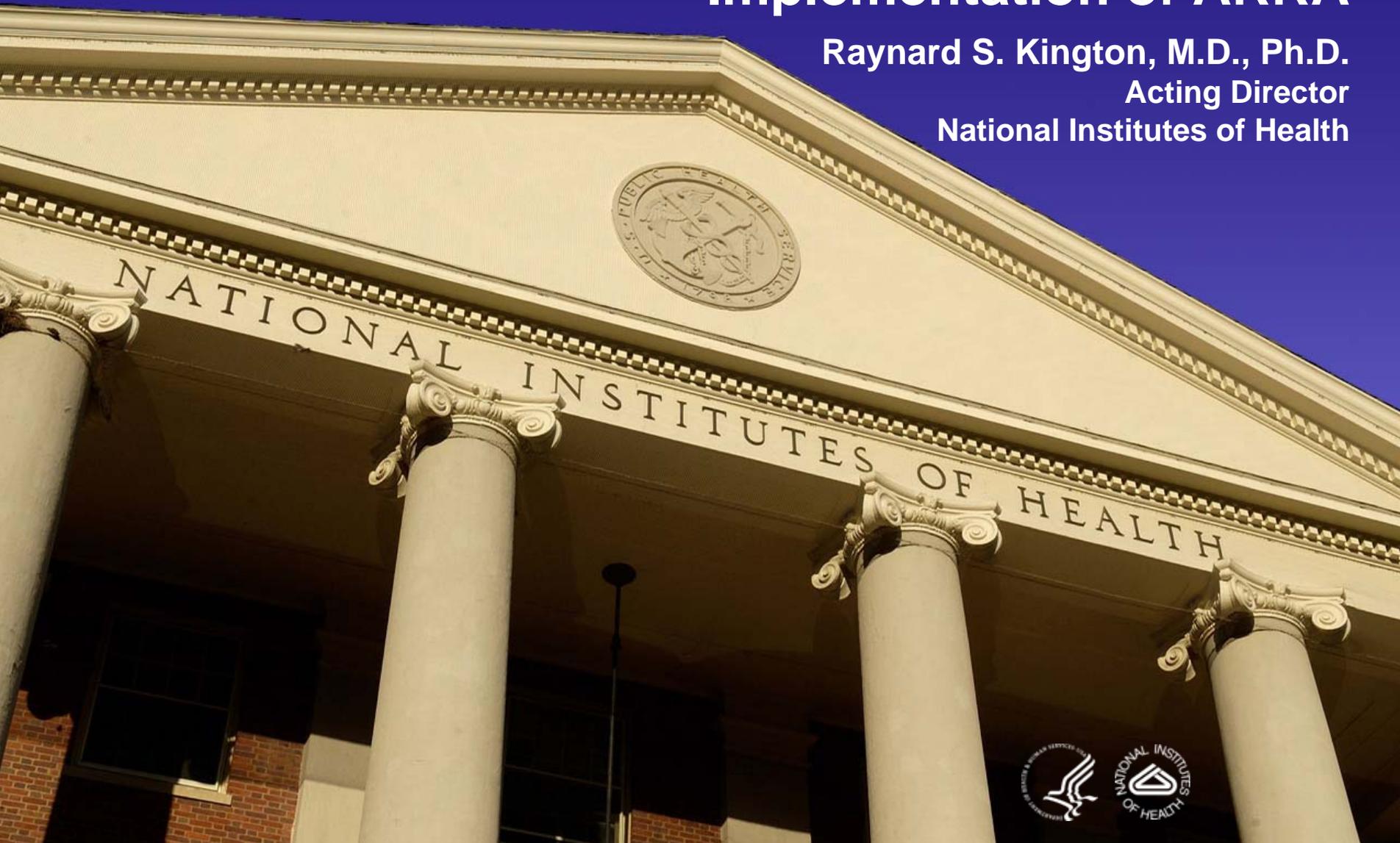


House Subcommittee on Labor-HHS-Education Appropriations Implementation of ARRA

Raynard S. Kington, M.D., Ph.D.
Acting Director
National Institutes of Health



One Hundred Eleventh Congress
of the
United States of America

AT THE FIRST SESSION

*Begun and held at the City of Washington on Tuesday,
the sixth day of January, two thousand and nine*

An Act

Making supplemental appropriations for job preservation and creation, infrastructure investment, energy efficiency and science, assistance to the unemployed, and State and local fiscal stabilization, for the fiscal year ending September 30, 2009, and for other purposes.

*Be it enacted by the Senate and House of Representatives of
the United States of America in Congress assembled,*

SECTION 1. SHORT TITLE.

This Act may be cited as the “American Recovery and Reinvestment Act of 2009”.



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



Biomedical Research supported by ARRA: Examples

Diabetes

Cancer

Addiction

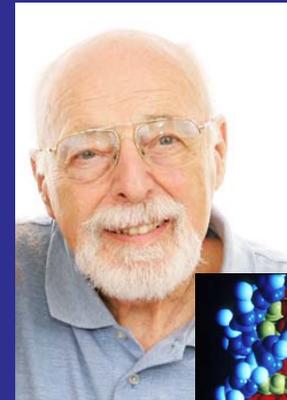
Glaucoma

Heart and lung diseases

Arthritis

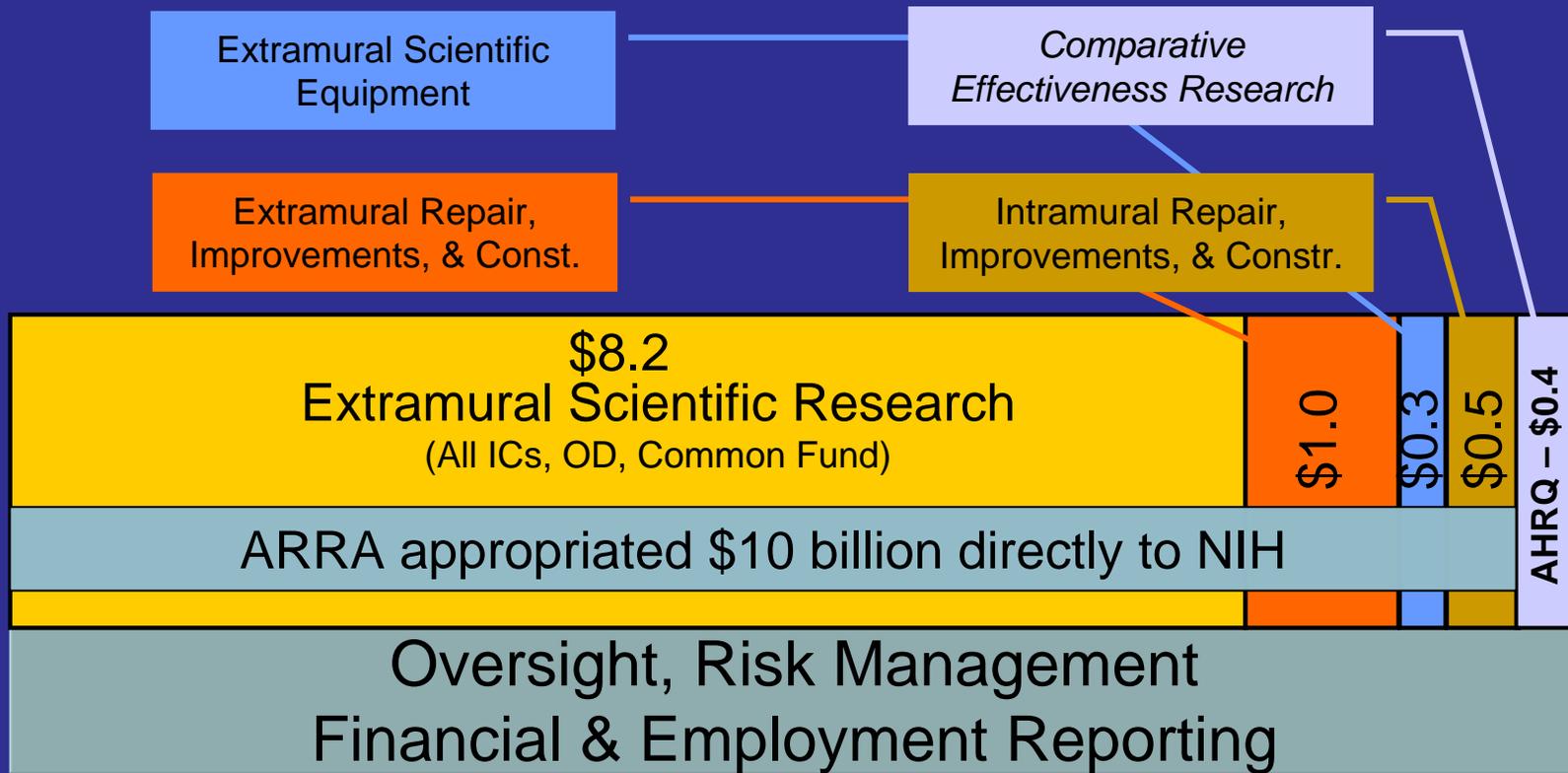
Kidney disease

Mental disorders



NIH Allocation of ARRA Funds

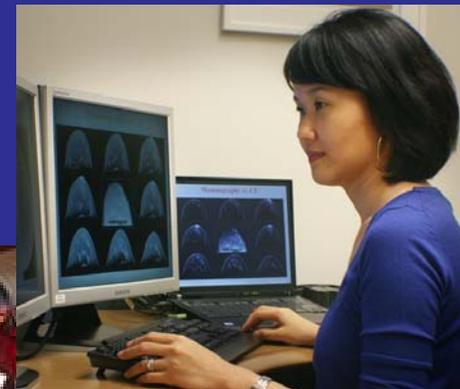
Dollars In Billions



Scientific Research Approach

Stimulate and accelerate biomedical research with existing mechanisms

Expand science with new programs



\$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



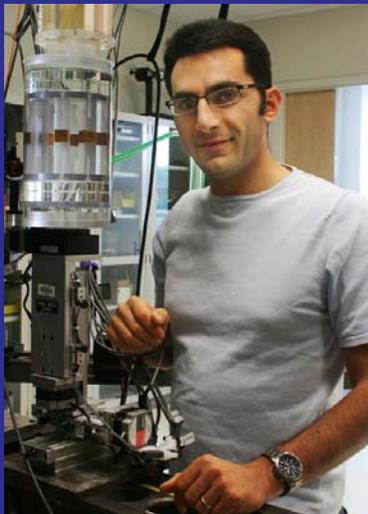
New ARRA NIH-wide Programs

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



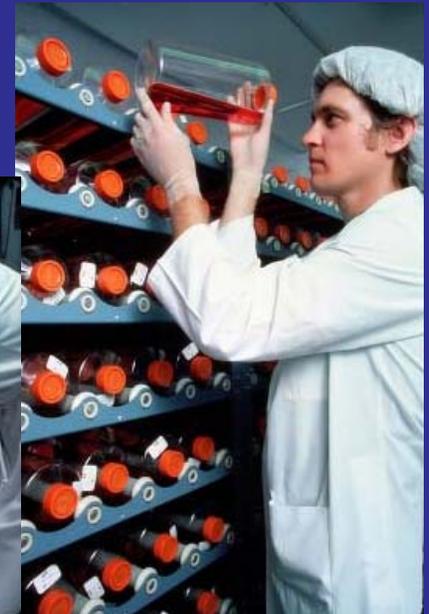
Raynard S. Kington, M.D., Ph.D.

March 26, 2009

Challenge Grants

Challenge Grants (at least \$200M total) provide:

- Priority avenues of research
- Up to \$500K total costs/year for up to two years



Challenge Grants (Examples)

Biosensors

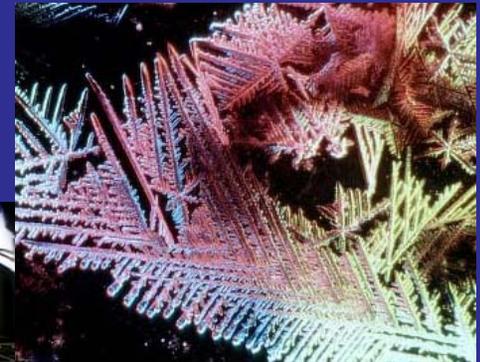
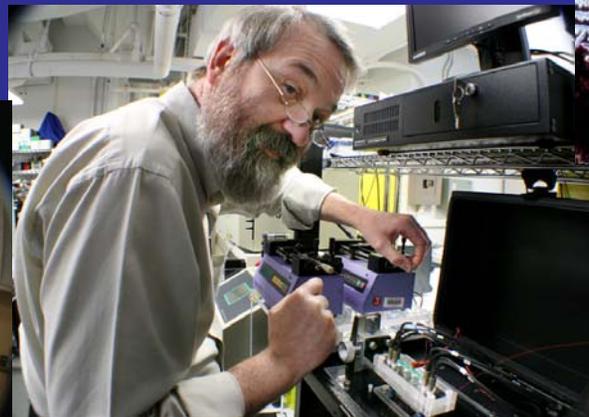
New approaches to HIV therapy

Bioethics

Health disparities in clinical research

Pain management

“Theranostics”



Grand Opportunity Grants

Grand Opportunity (GO) Grants (at least \$200M total):

- High impact
- Well defined
- Large scale



Signature Initiatives

Support exceptionally creative projects to address major challenges in biomedical research, e.g.:

- Nanotechnology
- Genome-wide association studies
- Alzheimer's disease
- Oral fluids as biomarkers
- Large scale sequencing
- Community-based research



New Faculty

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

- Newly trained scientists
- Start-up packages
- Pilot research projects



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



Economic Benefits

Impact

- Create and preserve jobs
- Advance biomedical research

Reporting

- Financial reports
- Projects and activities
- Trend analysis



Principal Investigator/Program Director (Last, First, Middle): Dinauer, Mary C.

KEY PERSONNEL REPORT GRANT NUMBER P01HL053586-13

Form at the end of the signed original copy of the application. Do not duplicate.

All Key Personnel for the Current Budget Period (do not include Other Significant Contributors)

Name	Degree(s)	SSN (last 4 digits)	Role on Project (e.g. PI, Res. Assoc.)	Date of Birth (MM/DD/YY)	Months Devoted to Project		
					Cal	Acad	Summer
r, Mary C.	M.D., Ph.D.		P.I.	10/31/53	3.0		
yer, Hal	Ph.D.		Project 1 Leader	11/27/44	2.4		
D. Wade	M.D.		Project 3 Leader	07/07/55	2.4		
a, Kenneth	M.D.		Core B Leader	08/18/56	0.6		
et, Laura	M.D.		Project 2 Co-Inv.	12/03/64	2.4		
y, Sean D.	M.D.		Project 2 Co-Inv.	08/05/66	0.6		
y, Karen	Ph.D.	5190	Proj 2 & 3 - Co-Inv	09/12/72	1.2		
Edward	Ph.D.	9958	Core C Leader	01/11/62	1.2		
Mervin C.	Ph.D.	9839	Core A Leader	07/15/57	1.8		
	M.D.	9749	Project 2 Co-Inv	02/12/53	1.2		



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NIH and the ARRA

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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.

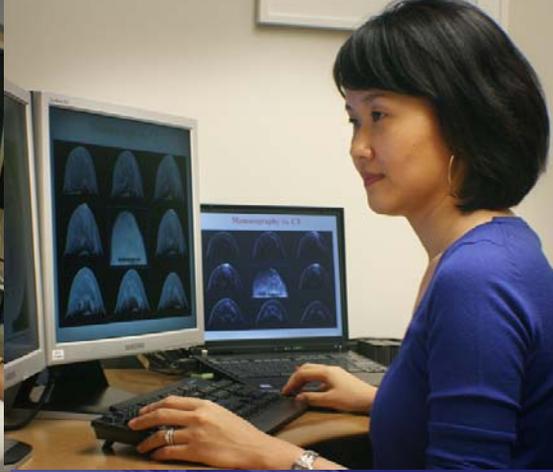
- » Overview of the Recovery Act
<http://www.hhs.gov/recovery/overview/index.html>

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
<http://www.nih.gov/news/health/mar2009/od-10.htm>
- » 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



NIH and ARRA

Stimulating the economy
Creating and preserving jobs
Advancing biomedical research
Improving people's health

