

Autism and ARRA

Jumpstarting the IACC Strategic Plan

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September 30, 2009



American Recovery and Reinvestment Act (ARRA) - Objectives

- Stimulate the economy
- Create and preserve jobs
- Advance biomedical research



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”.

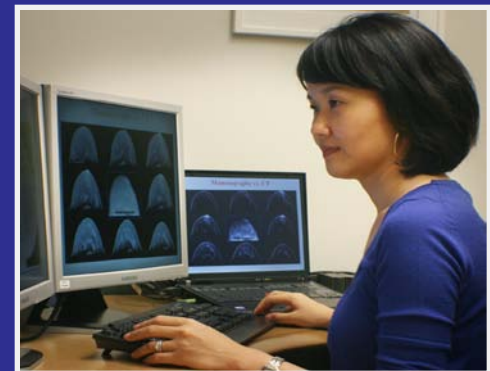
*Must be obligated - 9/30/2010
Two year award - 9/30/2009*

Scientific Research Approach

- Stimulate and accelerate biomedical research with existing mechanisms
 - Funding additional meritorious grants that have been peer reviewed and approved by NIH Institute 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

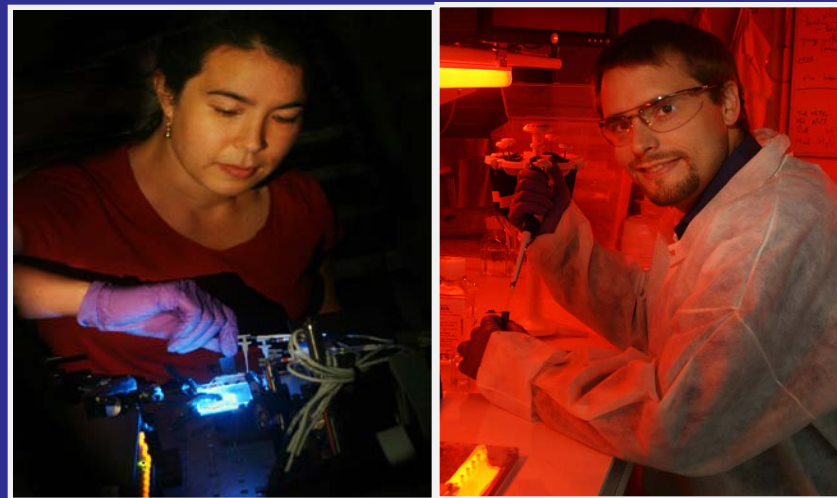


*On average, every
NIH grant supports
6 -7 part-time or
full-time jobs*



New ARRA NIH-wide Programs

- Challenge Grants (Addressing the IACC challenge Linking to NDAR, Access to services, Comp effectiveness research for autism)
- Grand Opportunities (“GO” Grants) (Genomic profiling, Neurodev. genomics, Develop brain atlas)
- Autism RFA (Heterogeneity of ASD - \$60M across five Institutes)

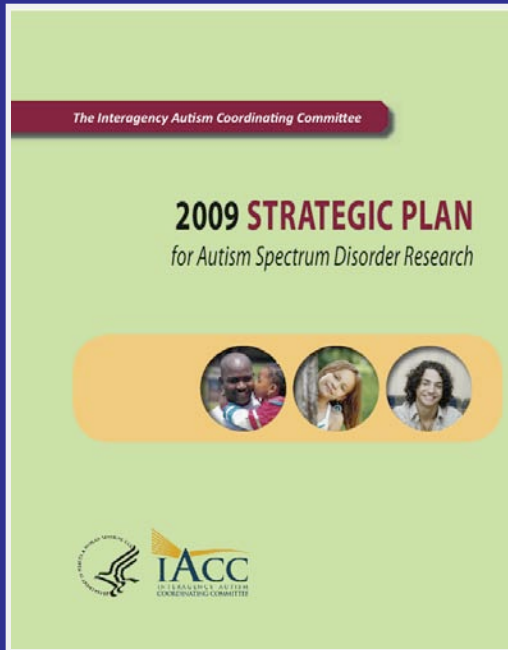


ARRA Autism RFA



- Addressing heterogeneity of ASD and focus on short-term objectives of IACC Strategic Plan
- 590 proposals (approx \$500M) submitted May 12, 2009
- Peer reviewed (20% public members) June 19, 2009
- Approved by NIMH Council July 17, 2009
- Funded >\$65M (NIMH, NICHD, NINDS, NIDCR, NIEHS) by Sept 29, 2009

The IACC 2009 Strategic Plan



- I. *WHEN should I be concerned?*
Rapid screening instruments, At risk studies
- II. *HOW can I understand what is happening?*
Biomarkers for early diagnosis
- III. *WHAT caused this to happen and can this be prevented?*
Deep sequencing, Epigenomics for env.
- IV. *WHICH treatments will help?*
Peptides, communication, mouse models
- V. *WHERE can I turn for services?*
Adult services, telehealth, urban settings
- VI. *WHAT does the future hold?*
Autism in the second half of life

RePORT: Research Portfolio Reporting Tool

Address <http://projectreporter.nih.gov/reporter.cfm> Go Links

U. S. Department of Health & Human Services www.hhs.gov

NATIONAL INSTITUTES OF HEALTH
Research Portfolio Online Reporting Tool (RePORT)
REPORTS, DATA AND ANALYSES OF NIH RESEARCH ACTIVITIES

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NIH RePORTER

ABOUT RePORTER DATA VIEW PROJECT BY NIH SPENDING CATEGORY FREQUENTLY ASKED QUESTIONS

SUBMIT QUERY **CLEAR QUERY**

NIH Recovery Act Projects: Show only projects supported by NIH Recovery Act funds

Term Search:
Logic: And Or
Hint: Multiple terms are accepted. Separate each term with a space. You may also use terms in " " (double quotes) for exact terms match.

Fiscal Year: **SELECT**

NIH Spending Category: **SELECT**

State: **SELECT**

Congressional District: **SELECT**

Principal Investigator:
(Last Name, First Name)
Use '%' for wildcard

Organization:

Agency/Institute/Center: **SELECT**
 Admin Funding

Funding Mechanism: **SELECT**

Award Type: **SELECT**

Activity Code: **SELECT**

Project Number:
Format: 5R01CA121298-04
Use '%' for wildcard

Study Section: **SELECT**

RFA/PA:
Format: RFA-IC-09-003 or PA-09-003
Use '%' for wildcard

Public Health Relevance:

<http://projectreporter.nih.gov/reporter.cfm>

RePORT: Research Portfolio Reporting Tool

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Project Number	Sub #	Project Title	Principal Investigator	Organization	FY	Admin IC	Funding IC	FY Total Cost by IC
1R01MH089406-01		RNA-SEQ STUDIES OF GENE EXPRESSION IN CELLS AND NETWORKS IN FI AND ACC IN AUTISM	ALLMAN, JOHN M et al.	CALIFORNIA INSTITUTE OF TECHNOLOGY	2009	NIMH	NIMH	\$564,301
1R01MH089626-01		INTERDISCIPLINARY INVESTIGATION OF BIOLOGICAL SIGNATURES OF AUTISM SUBTYPES	AMARAL, DAVID G et al.	UNIVERSITY OF CALIFORNIA DAVIS	2009	NIMH	NIMH	\$1,429,402

<http://projectreporter.nih.gov/reporter.cfm>

Autism Research: September, 2009

ARRA special RFA for autism along with Challenge and GO grants support research in every objective of the Strategic Plan

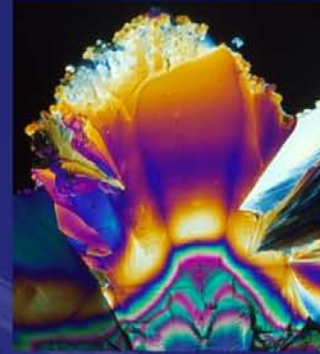


300 → 12,000 subjects
15,000 data elements

NIH ARRA Investments:

> \$85M over 2 years on top of continued investment from base budget (\$118M in FY08, 25% increase over FY07)





NIH

*Transforming medicine and health
through discovery*

