

From: NIGMS Feedback Loop <NIGMSLoop@NIGMS.NIH.GOV>
Subject: Budget Outlook, FY12 Funding Results, FOAs, Disease Spread Modeling Activities
Date: May 8, 2013 3:11:40 PM CDT
To: NIGMS-FEEDBACK-LOOP@LIST.NIH.GOV
Reply-To: NIGMS Feedback Loop <NIGMSLoop@NIGMS.NIH.GOV>

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[Budget Outlook for Fiscal Year 2013 and Beyond](#)



Posted by [Judith Greenberg](#)  on **Wednesday, May 8, 2013 9:51 AM**
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As a result of the sequestration, the NIGMS full-year appropriation for Fiscal Year 2013 was reduced by about 5% compared to Fiscal Year 2012. This reduction brings our operating budget to \$2,291,294,437. Our [financial management plan](#) outlines the Institute's fiscal policies, which are consistent with NIH's policies:

Research Project Grants (RPGs)

- Inflationary increases will be discontinued for all competing and noncompeting awards (both modular and nonmodular).
- All noncompeting grants will be reduced by 3.5% from the Fiscal Year 2013 committed level. Commitments in Fiscal Year 2014 and beyond will remain unchanged.
- Overall average costs for competing RPGs will be at approximately

the Fiscal Year 2012 level. Inflationary increases for future-year commitments will be discontinued.

- Fiscal Year 2013 noncompeting awards that have already been issued at a reduced level will be revised upward to reflect the 3.5% reduction.
- New investigators on R01-equivalent awards will be supported at a success rate equivalent to that of established investigators submitting new (Type 1) R01-equivalent applications.
- We anticipate funding 758 competing RPGs, with a success rate of 18% ([see comparisons for previous years](#)).

Ruth L. Kirschstein National Research Service Awards

- The stipend levels established in Fiscal Year 2012 will be continued this fiscal year.

Centers and Other Mechanisms

- Noncompeting awards will be reduced by 3.5% from the initial Fiscal Year 2013 committed level.

Filed under: [Budget](#), [Director's Messages](#), [Funding Trends](#)

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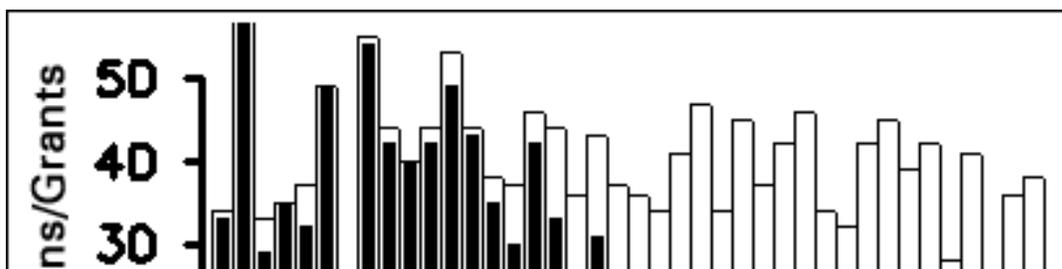
Fiscal Year 2012 R01 Funding Outcomes

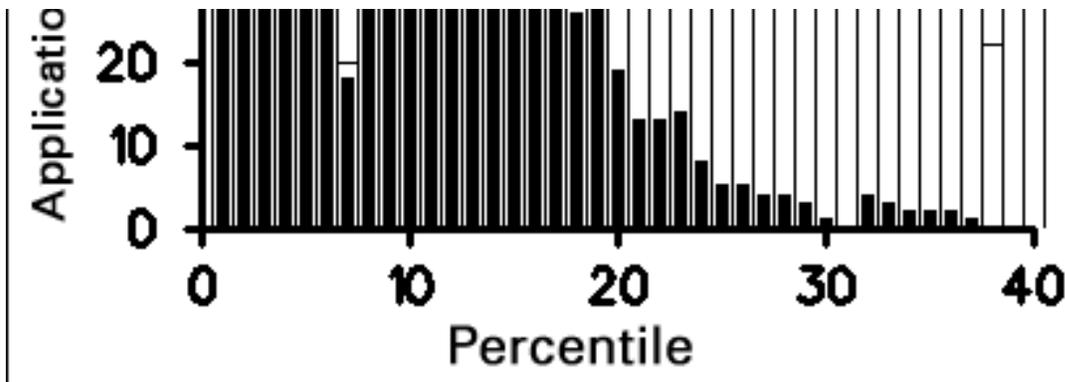


Posted by [Judith Greenberg](#)  on **Tuesday, May 7, 2013 11:30 AM**

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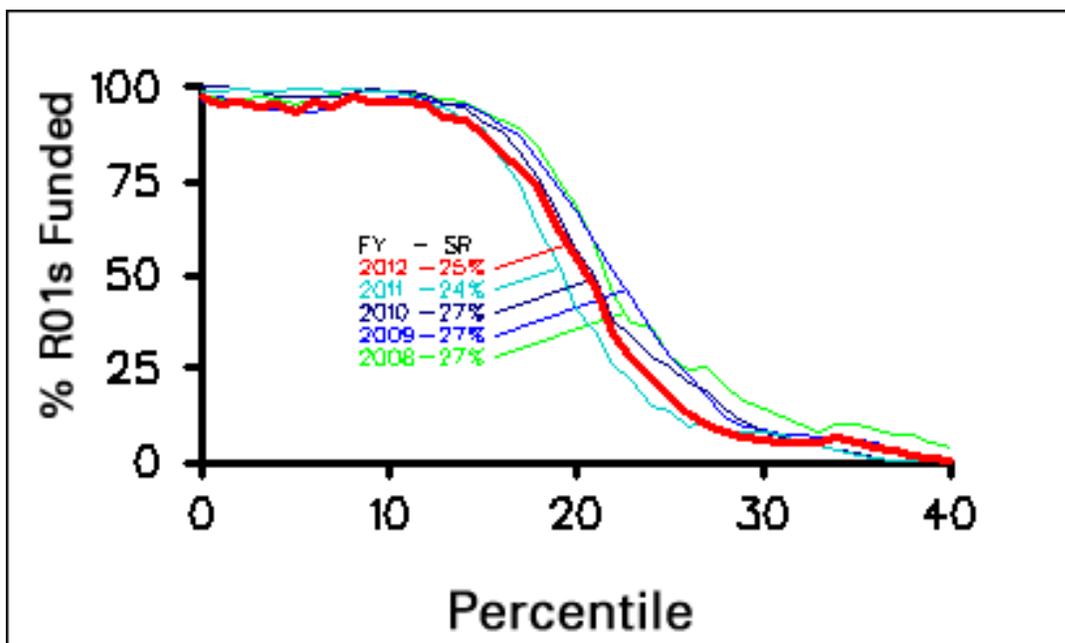
Fiscal Year 2012 ended on September 30, 2012. As in [previous years](#), we have analyzed the funding results (including [percentiles and success rates](#)) for R01 grants, shown in Figures 1-5. Thanks to Jim Deatherage for preparing these data again this year.





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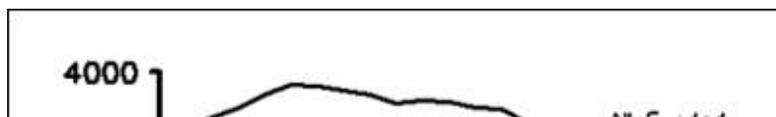
Figure 1. Competing R01 applications reviewed (open rectangles) and funded (solid bars) in Fiscal Year 2012.

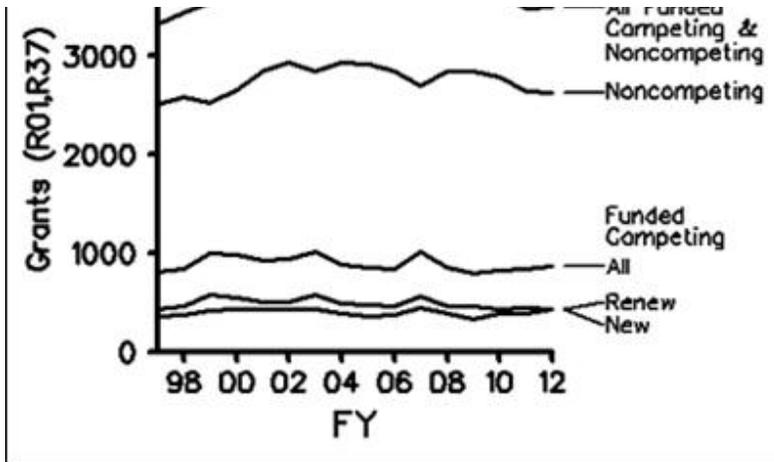


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Figure 2. NIGMS competing R01 funding curves for Fiscal Years 2008-2012. For Fiscal Year 2012, the success rate for R01 applications was 25%, and the midpoint of the funding curve was at approximately the 20th percentile.

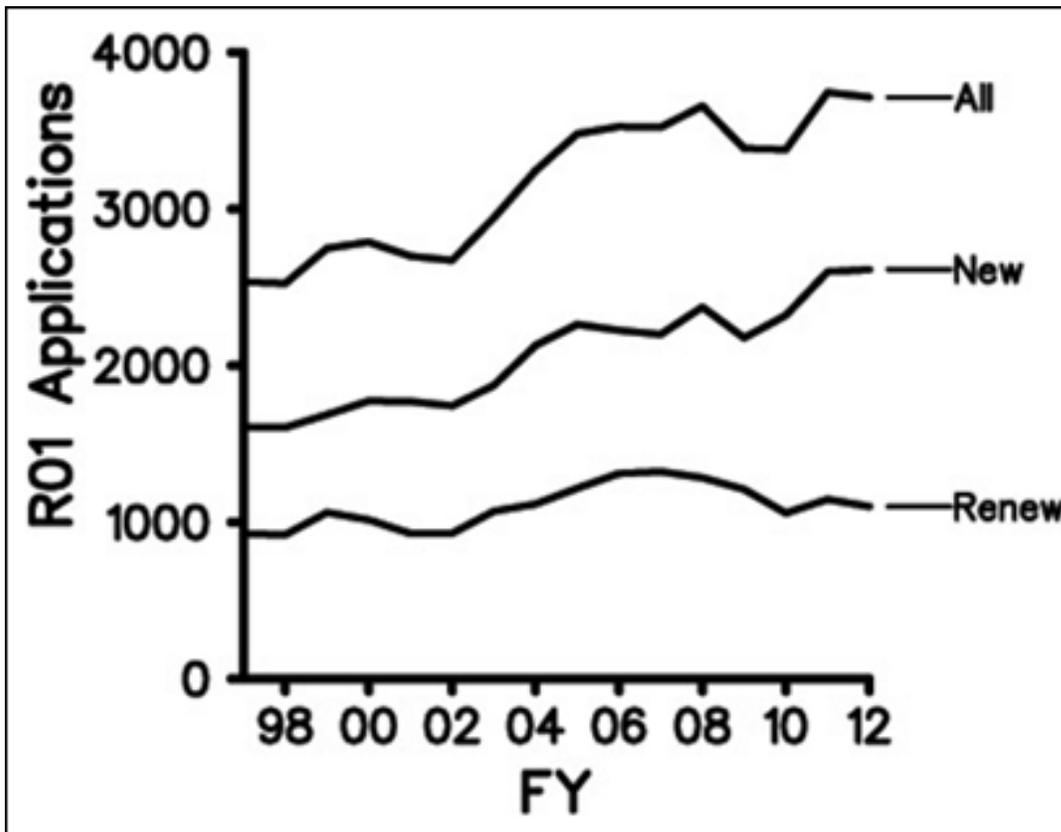
In Fiscal Year 2012, there was a slight improvement in success rate. This is due in part to the relatively flat number of competing applications that we received (Figure 4).





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Figure 3. Number of R01 and R37 grants (competing and noncompeting) funded in Fiscal Years 1998-2012.

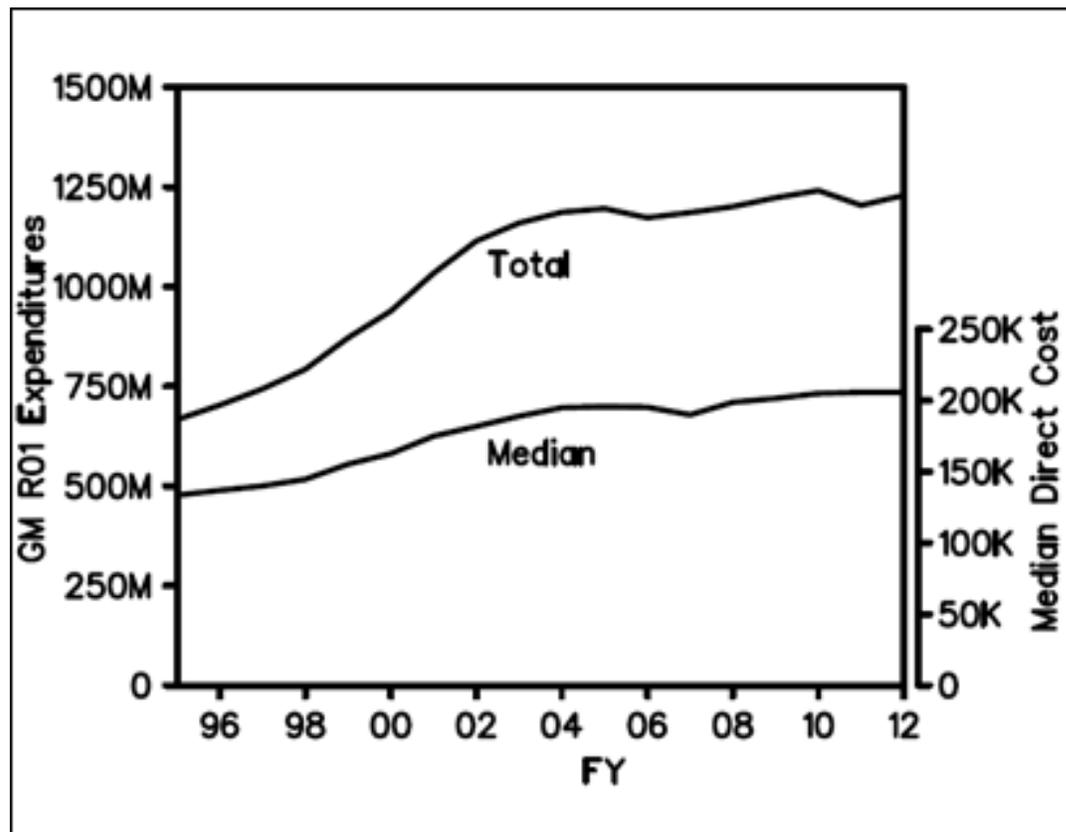


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Figure 4. Number of competing R01 applications (including resubmissions) received during Fiscal Years 1998-2012.

Below are the total NIGMS expenditures (including both direct and indirect costs) for R01 and R37 grants for Fiscal Year 1996 through Fiscal Year

2012.



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Figure 5. The upper curve shows the overall NIGMS expenditures on R01 and R37 grants (competing and noncompeting, including supplements) in Fiscal Years 1996-2012. The lower curve (right vertical axis) shows the median direct costs of NIGMS R01 grants. Results are in actual dollars with no correction for inflation.

Filed under: [Budget](#), [Director's Messages](#), [Funding Trends](#)

Permalink: <https://loop.nigms.nih.gov/index.php/2013/05/07/fiscal-year-2012-r01-funding-outcomes/>

[Scientific Workforce Diversity Awards, Collaborative Science Supplements](#)



Posted by [Jilliene Mitchell Drayton](#) on Thursday, Apr 25, 2013 3:52

PM

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You may be interested in these recent funding opportunity announcements:

MARC Undergraduate Student Training in Academic Research (U-STAR)
National Research Service Award (NRSA) Institutional Research Training
Grant (T34)
([PAR-13-205](#))

Purpose: Increase the number of well-prepared underrepresented (UR) students who, within 3 years of graduation, matriculate into competitive/ research active Ph.D. or combined M.D.-Ph.D. programs in the biomedical and behavioral sciences, go on to research careers and participate in NIH-funded research

Application due dates: June 24, 2013; June 24, 2014; June 24, 2015

NIGMS contact: [Shawn Gaillard](#), 301-594-3900

Research Initiative for Scientific Enhancement (RISE) (R25)
([PAR-13-196](#))

Purpose: Develop new or expand existing effective institutional developmental programs designed to academically and scientifically prepare underrepresented students for Ph.D. degrees in the biomedical and behavioral sciences

Application due date: June 20, 2013

NIGMS contact: [Robin S. Broughton](#), 301-594-3900

Reminder: The application due date for Supplements for Collaborative Science is May 15. For details, see this related [Feedback Loop](#) post.

Filed under: [Collaborative Research](#), [Funding Opportunities](#), [Workforce Development and Diversity](#)

Permalink: <https://loop.nigms.nih.gov/index.php/2013/04/25/scientific-workforce-diversity-awards-collaborative-science-supplements/>

[Reflecting on 10 Years of Modeling Disease Spread](#)



Posted by [Irene Eckstrand](#)  on **Wednesday, Apr 24, 2013 11:51 AM**

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The NIGMS [Models of Infectious Disease Agent Study \(MIDAS\)](#) is a collaborative network of about 100 scientists who use computational, statistical and mathematical models to understand infectious disease dynamics.

As we mark the program's 10th anniversary, we invite you to join us for a symposium titled "Modeling for Science and Policy" on September 23 from 9 a.m. to 4 p.m. EDT at the Lipsett Auditorium on the NIH campus. You can also watch the symposium remotely (live or later) via the [NIH Videocast Web site](#). The program will feature short talks by MIDAS researchers on modeling for scientific understanding, for health policy decision making and for preparedness planning. We'll post more details about the symposium when they're available.

We also welcome scientists to apply for grants to become part of the network. We just released funding opportunity announcements for MIDAS [centers of excellence \(U54\)](#), an [information technology resource \(U24\)](#) and [research projects \(U01\)](#).

Since its inception, MIDAS has pioneered the use of computational and mathematical models to prepare for, detect and respond to infectious disease threats. In addition to doing basic quantitative and computational biology, MIDAS works closely with local, state and federal public health agencies to facilitate the use of modeling in decision making.

Here are just a few examples of MIDAS activities:

- Working with the Institute of Medicine and the National Association of County and City Health Officers, MIDAS held a workshop at the 2013 Public Health Preparedness Summit to demonstrate how modeling can be used by local public health officials to inform policy decisions.
- The [University of Pittsburgh center](#)  has developed a software program called FRED that uses high-performance computing to create virtual outbreaks and deliver the results to a smartphone. The approach could enable public health officials to employ modeling tools even when they aren't at their computers.
- The [Harvard School of Public Health center](#)  is developing models for the emergence of drug resistance in influenza, tuberculosis and other diseases to study the implications for clinical decision making.
- The [University of Chicago project](#)  uses large-scale computational modeling to explore the dynamics of MRSA among incarcerated and other communities on the south side of Chicago.

- The [University of Washington project](#)  has examined the impact of vaccine policies and usage on halting the spread of cholera in Haiti.
- The [Virginia Bioinformatics Institute project](#)  is developing a computer activity to teach high school students how epidemiologists study outbreaks and use mathematics and computation to help make public health decisions about vaccine distribution and school closures, for example.
- The [MIDAS information technology resource](#)  has developed detailed virtual human populations for many countries, including the United States, Mexico, Thailand, China and Argentina. These populations allow investigators to simulate social networks, transmission dynamics and the impact of behavior and policies on disease spread.

The network's models, software and other resources, including information about historical epidemics, are available through the [MIDAS portal](#) . If you're interested in modeling and/or infectious diseases, I invite you to explore this site, and I [welcome your questions](#).

Filed under: [Funding Opportunities](#), [Meetings/Events](#), [News](#)

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