NIA: The Future of Aging Research

Webinar hosted by:

The Gerontological Society of America

with a presentation by:
Richard J. Hodes, MD
Director, National Institute on Aging

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NIA: The Future of Aging Research

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NIA: The Future of Aging Research

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Richard J. Hodes, MD
Director
National Institute on Aging
NIA Grants and Funding Overview

The Gerontological Society of America
June 9, 2011, Webinar

Richard J. Hodes, MD
Director, National Institute on Aging
National Institutes of Health
NIA Mission

- Established in 1974 to support and conduct research on:
  - aging processes
  - age-related diseases
  - special problems and needs of the aged
- **Train** and develop research scientists
- Provide research **resources**
- **Disseminate information** on health and research advances
Difference from FY2003

In Current Dollars:
$106.9M Increase

In Constant Dollars:
$177.3M Decrease

17.9% decrease FY2003-2011

NIA Appropriations - FY11 Enacted, FY12 President’s Budget
Current versus Constant, FY03 Base Year

<table>
<thead>
<tr>
<th>Year</th>
<th>Current</th>
<th>Constant</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY03</td>
<td>993.6</td>
<td>993.6</td>
</tr>
<tr>
<td>FY04</td>
<td>1,021.4</td>
<td>984.9</td>
</tr>
<tr>
<td>FY05</td>
<td>1,045.3</td>
<td>970.2</td>
</tr>
<tr>
<td>FY06</td>
<td>1,036.6</td>
<td>919.5</td>
</tr>
<tr>
<td>FY07</td>
<td>1,045.5</td>
<td>893.5</td>
</tr>
<tr>
<td>FY08</td>
<td>1,051.0</td>
<td>858.0</td>
</tr>
<tr>
<td>FY09</td>
<td>1,079.0</td>
<td>851.8</td>
</tr>
<tr>
<td>FY10</td>
<td>1,110.2</td>
<td>849.9</td>
</tr>
<tr>
<td>FY11</td>
<td>1,100.5</td>
<td>816.3</td>
</tr>
<tr>
<td>FY12 Est</td>
<td>1,130.0</td>
<td>810.3</td>
</tr>
</tbody>
</table>
Proportion of Total NIH Budget, FY2010
RPGs are 52%

Proportion of Total NIA Budget
FY 2010
RPGs are 64%
NIA COMPETING GRANTS
AVERAGE PERCENTAGE OF AWARDED DIRECT COST DOLLARS
FY 2006-2010
Measures of Funding and Awards

**Payline** -- Institute-specific measure of the percentile rank or impact rating through which certain groups of applications will be paid. Institutes calculate paylines differently.

**Success Rate** -- NIH-wide measure of the percentage of awards made from the applications received. Each application is counted only once per year.
SUCCESS RATE of NIH and NIA Research Project Grants

Fiscal Year

% SUCCESS RATE

FY2010 Pay line 8%ile

NIH
NIA
Factors Contributing to Reduced NIA Payline

- Fewer small grants submitted, e.g. R03s, R21s
- “Big science,” e.g., clinical trials
- Average size of typical grants, e.g., R01s increased
## NIA RPG Percentile Paylines -- FY2011

<table>
<thead>
<tr>
<th>Category</th>
<th>&lt; $500k</th>
<th>≥ $500k</th>
</tr>
</thead>
<tbody>
<tr>
<td>Established P.I.</td>
<td>11</td>
<td>8</td>
</tr>
<tr>
<td>Early Stage P.I. (R01 only)</td>
<td>16</td>
<td>13</td>
</tr>
<tr>
<td>Other new P.I. (R01 only)</td>
<td>14</td>
<td>11</td>
</tr>
</tbody>
</table>
## Institute Projected Paylines -- FY2011

<table>
<thead>
<tr>
<th>Institute</th>
<th>R01 percentile</th>
<th>Early Stage Investigator R01 percentile</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIAID</td>
<td>10</td>
<td>14</td>
</tr>
<tr>
<td>NINDS</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>NIA*</td>
<td>11</td>
<td>16</td>
</tr>
</tbody>
</table>

* NIA paylines differ for large and small grants
New Investigators and NIA Opportunities

• R01 applications from new investigators:
  – One of NIA’s highest priorities for discretionary funds
  – May be funded out of strict percentile order

• (K01) Promoting Careers in Aging and Health Disparities Research

• (K08 & K23) Paul B. Beeson Career Development Awards in Aging
Grants & Training

Note: Restructured applications are here! See: http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-016.html

Open Letter from the NIA Director to the Research Community
October 25, 2010 -- The NIA Director offers an open statement to the research community about the reduced pay line and success rates for aging research.

American Recovery and Reinvestment Act of 2009
March 4, 2009 -- NIH is scheduled to receive $10 billion to be used in Fiscal Years 2009 and 2010 from funds appropriated through the American Recovery and Reinvestment Act of 2009. Some of these funds will be used to support the NIH Challenge Grants in Health and Science Research initiative. The solicitation includes several areas of interest to NIA. Applications are due by April 27, 2009.

Priorities & Program Divisions
Information and helpful resources for research programs supported by NIA, including studies on the mechanisms of aging, the processes of aging, aging and the nervous system, aging in relation to health and disease and international research.

NIA New and Early Stage Investigators
R01 applications from new investigators will be considered among NIA's highest priorities in the use of
Questions and Answers

Richard J. Hodes, MD
Director
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Access the full webinar, Dr. Hodes’ slide presentation, and questions and answers at:

www.geron.org/webinar

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