National Institute of Environmental Health Sciences: Update

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Director
National Institute of Environmental Health Sciences

EHS Core Center Annual Meeting
October 1, 2009

Overview

• Commitment to the EHS Core Center Program
• Future Directions
• Community Engagement
• Collaborations
• NIEHS/NIH Update
EHS Core Centers Program

Overall Goal

To establish innovative programs of excellence in the field of environmental health sciences by providing scientific and programmatic support for promising investigators and areas of research.

NIEHS Commitment

<table>
<thead>
<tr>
<th></th>
<th>Funded Centers</th>
<th>Competitive Set-aside</th>
<th>Total Center Program Costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>FY2009</td>
<td>19</td>
<td>$5.2M</td>
<td>$29M</td>
</tr>
<tr>
<td>FY2010</td>
<td>17</td>
<td>$7.2M</td>
<td>$26M</td>
</tr>
<tr>
<td>FY2011</td>
<td>17 -18</td>
<td>$6M</td>
<td>$27M</td>
</tr>
</tbody>
</table>
### Summary of NIEHS ARRA Activities

<table>
<thead>
<tr>
<th>Type of program</th>
<th>Receipt Date</th>
<th>Number received</th>
<th>Number reviewed</th>
<th>Number funded</th>
<th>Date of Funding Plan</th>
<th>NIEHS ARRA Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing R01/P01s</td>
<td>2008/2009</td>
<td>22/40</td>
<td>N/A</td>
<td>28</td>
<td>April/May 2009</td>
<td>$29 million</td>
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<tr>
<td>Existing R21/R03/R15</td>
<td>2008/2009</td>
<td>101</td>
<td>N/A</td>
<td>35</td>
<td>April/May 2009</td>
<td>$14.1 million</td>
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<tr>
<td>Summer EST suppl.</td>
<td>April 23</td>
<td>57</td>
<td>57</td>
<td>40 (NIEHS)</td>
<td>May 15</td>
<td>$1.3 million</td>
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<tr>
<td>Admin suppl. RPG*</td>
<td>May 11</td>
<td>331</td>
<td>331</td>
<td>80</td>
<td>July 29</td>
<td>$21.5 million</td>
</tr>
<tr>
<td>Admin suppl. Centers</td>
<td>May 13</td>
<td>28</td>
<td>28</td>
<td>11</td>
<td>July 29</td>
<td>$3.7 million</td>
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<tr>
<td>Admin suppl. Careers</td>
<td>May 15</td>
<td>25</td>
<td>25</td>
<td>6</td>
<td>June 17</td>
<td>$741,996</td>
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<tr>
<td>Admin suppl. WTP</td>
<td>May 19</td>
<td>25</td>
<td>22</td>
<td>18</td>
<td>August 5</td>
<td>$6.8 million</td>
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<tr>
<td>Admin suppl. SRP*</td>
<td>May 18</td>
<td>95</td>
<td>95</td>
<td>24</td>
<td>August 5</td>
<td>$11.9 million</td>
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<tr>
<td>Competitive revisions</td>
<td>April 27</td>
<td>59</td>
<td>46</td>
<td>20</td>
<td>September 2</td>
<td>$11.2 million</td>
</tr>
<tr>
<td>Challenge Grants*</td>
<td>April 27</td>
<td>58</td>
<td>53</td>
<td>30 (NIEHS)</td>
<td>In process</td>
<td>$27.9 million</td>
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<td>Diversity Supplements</td>
<td>May 11</td>
<td>11</td>
<td>11</td>
<td>5</td>
<td>August 26</td>
<td>$780,580</td>
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<tr>
<td>Autism RFA</td>
<td>May 11</td>
<td>11</td>
<td>11</td>
<td>6</td>
<td>August 26</td>
<td>$780,580</td>
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<tr>
<td>GOI: BPA &amp; Nanosafety*</td>
<td>May 27</td>
<td>108</td>
<td>58</td>
<td>17 (NIEHS)</td>
<td>In process</td>
<td>$44.2 million</td>
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<td>4 (OD)</td>
<td>$14.2 million</td>
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<td>$3.6 million</td>
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</tbody>
</table>

### Promoting Translational Research

- Increased flexibility to take advantage of emerging technologies and concepts
  - Director’s Fund
  - Salaries for New and Recruited Investigators
  - Pilot Project Program
- Integrated Health Sciences Facility Core
- Community Outreach and Education Cores
Potential Future Goals

- Improved translation of research to populations and the clinic
- Collaborations across Centers to enhance comprehensive results, produce new concepts and tools
- Increased global environmental health
- Measures to share technologies and resources
- Continue on the track towards bi-directional interactions with the engaged public in research, outreach, education, and prevention on environmental health

Community Engagement

Partnerships for Environmental Public Health

- Umbrella Program – Coordinating various new and existing initiatives
- Develop and evaluate strategies to communicate environmental public health messages
- Create and provide materials to increase awareness and literacy about environmental health risks
- Evaluate program contributions to the advancement of environmental public health
NIEHS Priorities in the FY2010

President’s Budget

• Cancer, autism, and environmental health and safety of nanomaterials

• Climate change and its health issues, especially from mitigation and adaptation strategies
  – NIEHS is working with FIC and other agencies (trans-NIH and trans-agency) on research needs
  – Reports due out this fall
Dr. Collins’ Priority Areas

- High throughput approaches
- Translational research
- Health care reform
- Global health research
- Health disparities
- Empowering the biomedical research community
- Microbiome
- Small molecule screening
- Stem cell research

Administration Priorities

OMB and OSTP

- Economic recovery, job creation, and growth
- Innovative energy technologies to reduce dependence and mitigate climate change impact
- Biomedical science and information technology to improve healthy lives while reducing health care costs
- Technologies to protect our troops, citizens, and national interests
- Crosscutting themes:
  - Increasing research productivity
  - Strengthening STEM education
  - Improving, protecting information, communication, and transportation infrastructure
  - Enhancing our capabilities in space
NIH Building 1 Info and Updates

- ARRA grantee institutions registered and reporting at https://www.federalreporting.gov
- View ARRA funded projects at http://report.nih.gov/recovery/
- Enhancing peer review, new scoring system effective for grants and agreements submitted for FY2010
- NIH offers new ways to track funding opportunities, http://twitter.com/NIHforFunding

Thank You