Opportunities within the American Recovery and Reinvestment Act (ARRA) for Biomedical Research

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EVD/CSO

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Overview

- A lot of money - thus opportunity
- Thank you Senator Specter!
- Considerable uncertainty in fund allocation mechanisms - details emerging daily
- A targeted opportunity that we CAN NOT ignore
- We have a cohesive approach underway
Our Approach

- Communication and Awareness
- Fund Sources and Amounts
- Restrictions and Expectations
- Specific Funding Opportunities at NIH
- Other Federal Funding Opportunities
- Support for Submissions and Process
- Tracking and Outcome Responsibility
Communication and Awareness

• Regular email updates, beginning 2/16, sent to faculty and BAs on breaking news, announcements of opportunities with clear expectations on next steps

• Website established (2/16) to archive communications and to post all specific RFA and other award requests

• Meeting held with basic chairs last week (2/18) and at SCDC this week (2/25)

• Town Hall Meeting for all faculty on Thursday 2/26 - another next week - video on website

• Meeting with all BAs and dept/school grants managers to be held this Friday 2/27

• Meeting of SOM administrative leadership with University Leadership (ORS, finance, HR) planned for week of 3/1
ARRA Fund Sources and Amounts

NIH funding - $10.4 billion over 2 years
(starting FY09 budget)

- $8.2 billion for the Office of the Director
  - $7.4 billion for transfer to the Institutes, Centers and Common Funds
  - $800 million retained for the Office of the Director
    ($400 million high priority areas - $400 million open)
- $500 million for construction and renovation of NIH intramural buildings
- $1.3 billion National Center for Research Resources
  - $1 billion for “competitive awards for the construction and renovation of extramural research facilities”
  - $300 million for “shared instrumentation and other capital equipment”
- $400 million to support comparative effectiveness research via AHRQ
Restrictions and Expectations

• Purpose to stimulate economy and jobs - proposals must directly highlight this
  Template language being developed

• Must begin immediately and be spent within 2 years
  Exception may be construction grants

• Rigorous, public reporting requirements - quarterly
### NIH Institute Allocations

<table>
<thead>
<tr>
<th>Institute</th>
<th>FY09 Budget</th>
<th>% of FY09 Budget</th>
<th>% of $7.4B</th>
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<tbody>
<tr>
<td>NCI</td>
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<tr>
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<th>% of FY09 Budget</th>
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$29,229,524,000 – Total, Program Level

*800M will be directed to OD to support Challenge Grants
Funding Opportunities at NIH

Supplements to Existing Grants

- Two categories - institute specific guidelines
  Available for grants with 1 year of funding remaining
  - 1. Administrative supplements (no external review) for support of existing research. Amounts ~$100,000 per year or more (depending on project scope) up to 18-24 months. Generally requiring 1 page justification and matched budget.
  - 2. Competitive Supplements to extend existing research projects for support of extensions to existing aims. Amounts not yet defined, duration 18-24 months. Generally 2-3 page requests with matched budget. RFA will be issued.

- All appropriate faculty should request
Funding Opportunities at NIH

Pay-line Increases

• Targeted to (1) grants that have already been reviewed but that have missed previous allocation - most probably dating back to October 2008 (but unclear); (2) grants currently in review

• Institute-specific adoption

• Duration 18-24 months

• May require a modified proposal of 2-3 pages and matched budget

• All faculty with reviewed but not awarded grants should request consideration or RAPIDLY resubmit
Funding Opportunities at NIH

Challenge Grants

• Two-year awards for high impact high-risk projects

• Up to $500,000 per year

• Topic areas heavily guided by institute specific priorities

• RFAs due in next 2-3 weeks

• Important to highlight opportunity areas via discussion with key NIH leadership - how to accomplish?
Funding Opportunities at NIH

Equipment and Shared Instrumentation Grants

• Targeted through NCRR
• Standard 8-15 page proposals
• No matching funds expected

Shared Instrumentation (SIG/S10)

• Multiple investigators
• $100,000 - $500,000 cost
• RFA released - Due March 23, 2009
• Forward letters of intent to EVD by March 2, 2009
  – vdrrt@mail.med.upenn.edu

High End Instrumentation (HEI)

• For equipment > $750,000
• Imaging, structural biology, genomics, computing…
• No announcement yet

• All relevant faculty should apply
Construction Grants

- Will be released via NCRR
- New projects or extensions of ongoing projects
- Intent and amounts unclear, but probably will not require matching funds
- Anticipate up to 4 year spending time line
- Grid of potential projects already defined and template grants in place
- Will be coordinated and developed by Dean’s Office
Other ARRA Fund Sources and Amounts

- **Agency for Healthcare Research and Quality - $1.1 billion over 2 years**
  - $300 million administered by AHRQ
  - $400 million to support comparative effectiveness research by NIH Institutes and Centers
  - $400 million for comparative effectiveness research via Secretary HHS

- **Research for pandemic flu vaccine, chemical and biological weapons - $1 billion over 2 years**

- **Health IT funding - $19 billion over 4+ years**
  - $17 billion in Medicaid/Medicare formula based for EMR
  - $2 billion in additional grants (distributed via HHS)
• Centers for Disease Control (CDC)
  $650 M in new funding
  Targeted to:
  - Public health
  - Chronic Disease prevention and Control
  - Wellness initiatives (community and linked to Clinical practice)
  Details on submission format - not yet clear

• National Science Foundation
  $2.5 B new funds
  $300 M for Major Research Instrumentation
  $200 M for Academic Research Facilities modernization.

Other $ 2 B ??
• National Institute of Standards and Technology (NIST)
  Promote trade-security-jobs
  Communications, computing, materials science, electronics…
• $610M new funds in total
  ◆ $220 million for competitive grants in measurements, research, and documentary standards support advancing NIST’s mission and national priorities
  ◆ $360 million for the Construction of Research Facilities ($180 million NIST, $180 million competitive)
  ◆ $20 million transferred from HHS to develop and test standards for computerized medical records
  ◆ $10 million transferred from DOE for Smart Grid interoperability work at NIST
Support for Submissions

• Model to be developed following chair and BA meetings this week. Proposed - centralized services to supplement departments for:
  • Information updates (hotline)
  • Grant writing
  • Boilerplate language
  • Budget development
  • Project paperwork and routing
  • Electronic submission
  • Fused effort - ORSS, RPD (SOM) and ORS (Univ)

• Linked HR support mechanisms will be investigated in parallel
Submission Tracking and Outcomes

- Chair responsibility to monitor - with central SOM oversight

- BAs to assemble list of all faculty with existing awards and salary coverage

- Identification of recent pilot funds (via Dean’s Office)

- Communicate to all faculty on funding expectations and submissions

- Track submissions via spreadsheet

- Weekly reports to chair and Dean’s Office
Briefing Updates and Notices

MEMORANDUM

To: School of Medicine Faculty
From: Glen N. Gaulton, Ph.D.
Date: February 24, 2009
Subject: Stimulus Funding Update

I am writing with an update on the NIH stimulus package, and to alert you to several items that you should immediately consider and be prepared to take action on.

For each category described below, please note that you should frame all requests for funding to NIH in the following context:

- the capacity to achieve a significant scientific goal of strategic research importance to NIH within a two year period and
- the immediate benefit to the economy (especially through maintaining or hiring personnel).

Here is a summary of the detail that is emerging. Of the $10.4 billion to be distributed through the NIH, $8.2 billion will be distributed through the following categories:

- Increased Pay Lines
- Supplements (Administrative and Competitive)
- Challenge Grants
- Equipment Instrument Grants
- Construction Renovation Grants
- Comparative Effectiveness Research

Below please find specific instructions/suggestions for each of these funding categories. Be aware that there will be great variability among institutes in how funds are allocated in each category.

- Increased Pay Lines: For those R01 applications already in the funding queue, two years of funding may be assigned. Institutes will