Implementing the BRAIN Initiative at NIH

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NIH Deputy Director for Science, Outreach, and Policy
Overview

- FY14
  - Funding
  - Process
- Beyond FY14
FY 14 – NIH IMPLEMENTATION
## NIH Investment

<table>
<thead>
<tr>
<th>Source</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Office of the Director (OD)</td>
<td>$10M</td>
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<tr>
<td>Blueprint for Neuroscience Research (BP)</td>
<td>$10M</td>
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<tr>
<td>Mental Health (NIMH)</td>
<td>$7.5M</td>
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<tr>
<td>Neurological Disorders and Stroke (NINDS)</td>
<td>$7.5M</td>
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<tr>
<td>Drug Abuse (NIDA)</td>
<td>$4M</td>
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<tr>
<td>Biomedical Imaging and Bioengineering (NIBIB)</td>
<td>$1M</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$40M</strong></td>
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• Focus on cross-cutting scientific issues
• Issue Grand Challenges (e.g., Human Connectome)
• Develop resources for research community (GENSAT, Toolbox for Assessment of Neurological and Behavioral Function, Neuroscience Information Framework)
• Coordinate research/planning and share best practices/resources
• Develop new training programs
## Implementation Steps

<table>
<thead>
<tr>
<th>Working Group</th>
<th>NIH</th>
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<tr>
<td>• Identify high priority research areas (ACD review)</td>
<td>• Solicit public comment</td>
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<td>• Solicit input from scientific communities, stakeholders, and the general</td>
<td>• Communicate with stakeholders</td>
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<tr>
<td>public</td>
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<td>• Develop long-term plan for NIH’s goals for and investment in the BRAIN</td>
<td>• Communicate with stakeholders</td>
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<tr>
<td>Initiative</td>
<td>• Conduct peer review (SEPs)</td>
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<td>• Solicit input from scientific communities, stakeholders, and the general</td>
<td>• Develop FY14 funding plan</td>
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<td>public</td>
<td>• Hold Council review</td>
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<td>• Issue final Report with milestones, timetables, and cost estimates (ACD</td>
<td>• Issue awards</td>
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<td>review)</td>
<td>• Submit FY15 budget request</td>
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<td>• Adopt multi-year NIH BRAIN plan</td>
<td>• Develop FY15 RFAs</td>
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### Sept., 2013
- Identify high priority research areas (ACD review)
- Develop long-term plan for NIH’s goals for and investment in the BRAIN Initiative
- Solicit input from scientific communities, stakeholders, and the general public
- Issue final Report with milestones, timetables, and cost estimates (ACD review)

### June, 2014
- Solicit public comment
- Communicate with stakeholders
- Conduct peer review (SEPs)
- Develop FY14 funding plan
- Hold Council review
- Issue awards
- Submit FY15 budget request
- Adopt multi-year NIH BRAIN plan
BEYOND FY 14...
Governance: NIH BRAIN

Desired Attributes

– Broad NIH participation and buy in
– Solid connection to all the BRAIN Institutes and Centers
– Best possible scientific input
– Consistent, on going guidance
– Respected advisors looking at the whole BRAIN and not parts
Governance:
NIH BRAIN sub-council

• **Membership**
  – 1 rep. from each BRAIN IC Council
  – Ad hoc members as necessary

• **Charge**
  – Provide on-going input and guidance for implementation plan (based off ACD recs)
  – Input to Council secondary review
  – Discuss potential new initiatives

• **Advantages**
  – Integrates BRAIN research across NIH
  – Ensures a coordinated and focused effort
Opportunities for Expansion

• Founding partners identified by the White House Office of Science & Technology Policy
  – Federal Agencies: NIH, DARPA, NSF
  – Private Organizations: HHMI, Allen Institute for Brain Science, Kavli Foundation, and Salk Institute

• Incomplete list and many other organizations are interested in participating
Opportunities for Expansion

• President Obama envisioned the BRAIN Initiative to be a national effort, requiring “all hands on deck”

• White House is interested in:
  – Talking to companies, philanthropies, foundations, non-profits, universities, and state governments that are interested in making financial and in-kind commitments
  – Soliciting input from the community about what types of partnerships would have the biggest impact