Report to the National Advisory Environmental Health Sciences Council

February 15, 2012

Dr. Linda Birnbaum
Director
National Institute of Environmental Health Sciences
National Toxicology Program
NIEHS Strategic Planning

Draft Mission Statement
The mission of the National Institute of Environmental Health Sciences is to discover how the environment affects people in order to promote healthier lives.

Draft Vision Statement
The vision of the National Institute of Environmental Health Sciences is to provide global leadership for innovative research that improves public health by preventing disability and disease from our environment.
Leadership and Staff

Dr. Darryl Zeldin

Dr. William Copeland
Americans Don’t Know Where Research is Conducted

Do you know of any institutions, companies or organizations where medical or health research is conducted?

<table>
<thead>
<tr>
<th>Institution</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Don't Know</td>
<td>64%</td>
</tr>
<tr>
<td>Johns Hopkins University</td>
<td>1%</td>
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<tr>
<td>St. Jude</td>
<td>1%</td>
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<tr>
<td>Pfizer</td>
<td>1%</td>
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<tr>
<td>National Institutes of Health</td>
<td>1%</td>
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<tr>
<td>Cleveland Clinic</td>
<td>1%</td>
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<tr>
<td>University of Michigan</td>
<td>1%</td>
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<td>Children's Hospital</td>
<td>1%</td>
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<tr>
<td>Merck</td>
<td>1%</td>
</tr>
<tr>
<td>Other</td>
<td>28%</td>
</tr>
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The NIH
EHP Is Going Paperless

- Most readers already access EHP online
- Reduced cost for printing and distribution
- Reduces carbon footprint – no trees used, eliminates fuel for transportation
- Faster publication and dissemination to readers
- More dynamic to include new multimedia
- Frees up resources to develop new applications to reach a wider audience
Improving Organizational Climate
Pulse Survey and Action Plan

NIEHS-wide Action Plan

Division Action Plans

Branch and Laboratory Action Plans

Office and Program Action Plans
# NIEHS Budget – Update

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<tbody>
<tr>
<td><strong>NIH (HHS)</strong></td>
<td>$30,545,098,000</td>
<td>$31,008,788,000</td>
<td>$30,688,286,000</td>
<td>$30,631,985,000</td>
<td>$30,623,259,000</td>
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<td><strong>NIEHS</strong></td>
<td>$662,820,000</td>
<td>$689,781,000</td>
<td>$683,724,312</td>
<td>$685,570,818</td>
<td>$684,030,000</td>
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<td><strong>Superfund</strong></td>
<td>$78,074,000</td>
<td>$79,212,000</td>
<td>$79,053,576</td>
<td>$78,927,514</td>
<td>$78,928,000</td>
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<tr>
<td><strong>NIEHS/DOE Training</strong></td>
<td>$10,000,000</td>
<td>$10,000,000</td>
<td>$10,000,000</td>
<td>$10,000,000</td>
<td>$10,000,000</td>
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Legislative Report

• Elimination of $300 million Global AIDS Transfer
• Elimination of NCRR
• Creation of the National Center for Advancing Translational Sciences (NCATS), with a budget of $576,456,000
• Continuation of the National Children’s Study with $193,880,000
• $10 million within NCATS for the Cures Acceleration Network
• $487,767,000 for the Clinical and Translational Science Awards
• $545,962,000 for the NIH Common Fund
• 0.189 percent across-the-board cut for NIH and discretionary programs
Science Advances

- Caffeine-induced synaptic potentiation in hippocampal CA2 neurons. Simons SB, Caruana DA, Zhao M, Dudek SM. *Nat Neurosci.*


Science Advances

- Folic acid supplements in pregnancy and severe language delay in children. Roth C et al. JAMA

- Serum vaccine antibody concentrations in children exposed to PFCs. Grandjean P et al. JAMA

NIEHS News and Highlights

Autism and Neurotoxicology

• 27th International Neurotoxicology Conference: Environmentally Triggered Neurodevelopmental Disorders: Focus on Endocrine Disruption and Sex Differences in Autism, ADHD, and Schizophrenia

• Bioinformatics and Computational Approaches to Integrate Genes and Environment in Autism Research meeting

• National Database for Autism Research combines with Autism Genetic Resource Exchange

• Environmental Influences on Neurodevelopment workshop
NIEHS News and Highlights

Public Health Leadership

- NIEHS–PAHO/WHO SDE Collaborating Centers Meeting
- NIEHS Community Forum in Los Angeles
NIEHS News and Highlights
Meetings and Events

• *Toxicology and Infectious Disease* workshop

• NIEHS nanotechnology Grand Opportunities

• mHealth Summit
NIEHS News and Highlights
Meetings and Events

• NAS: Emerging Technologies for Measuring Individual Exposomes

• Erionite Workshop

• NIEHS Data Sharing Workshop
NIEHS News and Highlights

Upcoming Meetings


• Children’s Environmental Health & Disease Prevention Research Meeting, NIH, March 6, 2012

• Partners in Environmental Public Health 2012 Meeting: Strengthening a Dynamic Environmental Public Health Network for Tomorrow, NIH, March 7-8, 2012

• NAS Emerging Science for Environmental Health Decisions: Individual Variability, April 18-19, 2012
NIEHS News and Highlights
Awards and Recognition

Dr. Lutz Birnbaumer
Dr. Scott Williams
Dr. Geoffrey Mueller
Dr. Donna Baird
NIEHS News and Highlights

Awards and Recognition

Dr. David Eastmond

Dr. David Eaton

Dr. Monica Ramirez-Andreotta
NIEHS News and Highlights
Awards and Recognition

Mr. Joseph “Chip” Hughes
Dr. Paul Foster
Dr. Kenneth Olden
NIEHS News and Highlights
Awards and Recognition

Ms. Melissa Kerr  Dr. Arthur Grollman  Dr. Karen Huen  Dr. Louis Guillette
Thank you!