Report to the NTP Board of Scientific Counselors

Linda Birnbaum, PhD, DABT, ATS
Director
National Institute of Environmental Health Sciences
National Toxicology Program

June 17, 2019
### Appropriations

<table>
<thead>
<tr>
<th></th>
<th>FY 2017 Omnibus Appropriation</th>
<th>FY 2018 Omnibus Appropriation</th>
<th>FY 2019 Appropriation</th>
<th>FY 2020 President’s Budget</th>
<th>FY 2020 House Mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIEHS</td>
<td>$714,261,000</td>
<td>$751,143,000</td>
<td>$774,707,000</td>
<td>$666,854,000</td>
<td>$812,570,000</td>
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<td>NIH (LHHS)</td>
<td>$34,084,000,000</td>
<td>$37,084,000,000</td>
<td>$39,079,000,000</td>
<td>$34,151,048,000</td>
<td>$41,100,000,000</td>
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<tr>
<td>Common Fund</td>
<td>$695,456,000</td>
<td>$600,716,000</td>
<td>$606,566,000</td>
<td>$532,967,000</td>
<td>$617,761,000</td>
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<td>Superfund</td>
<td>$77,349,000</td>
<td>$77,349,000</td>
<td>$79,000,000</td>
<td>$66,581,000</td>
<td>$80,000,000</td>
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<tr>
<td>NIEHS/DOE Training</td>
<td>$10,000,000</td>
<td>$10,000,000</td>
<td>$10,000,000</td>
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</tbody>
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*a* Excludes Mandatory Type 1 Diabetes Research and Superfund.

*b* Includes addition of $12.6 million for the Gabriella Miller Kids First Act pediatric research initiative.

*c* Excludes $60 million “All of US” funding which the committee moved to the NIH Office of the Director.

*d* Appropriations Committee report language supporting the transfer of funds from the U.S. Department of Energy’s Defense Environmental Cleanup account to NIEHS for the NIEHS/DOE Nuclear Worker Training Program.
Senate Environment and Public Works (EPW) Committee Hearing

“Examining the Federal response to the risks associated with PFAS”

March 28, 2019

Sen. John Barrasso of Wyoming, Chairman
Sen. Thomas Carper of Delaware, Ranking Member
Sen. Kirsten Gillibrand of New York
Congressional Hearings on Environmental Health

- “Examining the Public Health Risks of Carcinogens in Consumer Products”
  - March 12: House Oversight and Reform Committee’s Subcommittee on Economic and Consumer Policy

  - April 9: House Natural Resources Committee’s Subcommittee on Energy and Mineral Resources
DNA Methylation in Mice is Influenced by Genetics as Well as Sex and Life Experience.
Grimm SA [DIR], T Shimbo [DIR], M Takaku [DIR], JW Thomas, S Auerbach [NTP], BD Bennett [DIR], JR Bucher [NTP], AB Burkholder [DIR], F Day [DIR], Y Du [DIR], CG Duncan [DIR], JE French [NTP], JF Foley [NTP], J Li [DIR], BA Merrick [NTP], RR Tice [NTP], T Wang [DIR], X Xu [DIR], PR Bushel [DIR], DC Fargo [DIR], JC Mullikin and PA Wade [DIR]. Nat. Commun. (2019) v. 10 (1). (Th.1, Goal 1, 2; Th. 3, Goal 1,3,4 )

Bisphenol A Induces Human Uterine Leiomyoma Cell Proliferation Through Membrane-associated ERα36 Via Nongenomic Signaling Pathways.
Yu L [NTP], Das P [NTP], Vall AJ [NTP], Yan Y [NTP], Gao X [NTP], Sifre MI [DIR], Bortner CD [DIR], Castro L [NTP], Kissling GE [DIR], Moore AB [NTP] and Dixon D [NTP].
Mol Cell Endocrinol. 2019 Mar 15;484:59-68. (Th.1 Goal 1)
Using Tox21 High-throughput Screening Assays for the Evaluation of Botanical and Dietary Supplements.
Hubbard TD [NTP], JH Hsieh, CV Rider [NTP], NS Sipes [NTP], A Sedykh, BJ Collins [NTP], SS Auerbach [NTP], M Xia, R Huang, NJ Walker [NTP] and MJ Devito [NTP]. Applied In Vitro Toxicology (2019) v. 5 (1) pp. 10-25. (Th. 1 Goal 6)

Screening for Neurotoxic Potential of 15 Flame Retardants Using Freshwater Planarians.
Zhang S, Ireland D, Sipes NS [NTP], Behl M [NTP], and Collins ES. Neurotoxicol Teratol (2019) v. 73 pp. 54-66. (Th.1 Goal 1, 6)
New Process = Faster Publication
...Spread the word!!!

• Refined Editorial and Publishing Workflow
• Featuring continuous open-access, online publication at no cost to authors
• Details in recent EHP editorial (Darney 127(5) May 2019)
The Go-To Journal for Environmental Health Sciences

- Journal Impact Factor: 8.44 (5-year: 9.87)
  - 2nd out of 94 Toxicology journals
  - 4th out of 241 Environmental Science journals
  - 4th out of 180 Public, Environmental & Occupational Health journals
- Featuring continuous open-access, online publication at no cost to authors
NIEHS is recruiting a New Editor-in-Chief

Dr. Sally Darney, current EHP Editor-in-Chief, retires soon

- 4-year commitment
- Part-time
- Includes the option to work offsite
- Could include the ability to maintain his/her research program at home institution
As the Face of EHP, the Editor-in-Chief (EIC)

- Sets strategic directions
- Maintains high standards with editorial independence
- Interfaces with the broad environmental health community
- Appoints and guides a distinguished board of Associate Editors
- Supported by professional operational and scientific editing teams

Interested? Have colleagues who may be interested?

- Contact EICsearch@nih.gov for more information and how to apply.
• Federal Lead Action Plan, Goal 4: Research
  – Summer webinar series for federal agencies
  – Federal interagency meeting: December 4-5, 2019

• Federal Disaster Research Response and Children
  – New coordination efforts
Project goals:
• Resolve life safety concerns
• Enlarge Rodbell/increase capacity
• Replace outdated architectural finishes
• Provide conference room storage space

Proposed schedule: 7/1/19-1/31/20
• The entrance door beside the Rall Bldg. security office and the B stairwell will be closed to staff during construction and only used as an emergency exit during this time.
• Two rooms, one in Rall and one in Keystone, will be set up for use as temporary conference rooms during this time.
Recent Workshops

• 3rd International Workshop of CKDu in Mesoamerica and Other Regions (March 20-22)

• PFAS and Other Emerging Contaminants Conference (April 23-24)

• Converging on Cancer Workshop (April 29-30)
Kembra Howdshell, PhD
Office of Health Assessment and Translation
Teratology Society F. Clark Fraser New Investigator Award

Michelle Hooth, PhD
Program Operations Branch
Elected to Board of Directors for the American Board of Toxicology
Staff Changes – Said Goodbye

Dan Morgan, PhD, Toxicology Branch (retired)

Cassandra Shines, MS, NTP Laboratory (retired)

Windy Boyd, PhD, Office of Health Assessment and Translation (moved to Environmental Health Perspectives)

Anika Dzierlenga, PhD, Toxicology Branch (moved to the NIEHS Division of Extramural Research & Training)

Not pictured: Teenette (Tina) Jones, Cellular & Molecular Pathology Branch (retired)
Staff Changes – New Faces

David Crizer, PhD
NTP Laboratory
new staff

Makoto Shirai, DVM, PhD
Cellular & Molecular Pathology Branch
visiting scientist - Japan

Shagun Krishna, PhD
NICEATM
postdoctoral fellow

Kevin Mauge-Lewis
NTP Laboratory
predoctoral fellow

Dahea You, PharmD
Biomolecular Screening Branch
postdoctoral fellow

Arif Rahman, PhD
Biomolecular Screening Branch
postdoctoral fellow
# Staff Changes – Summer Interns

<table>
<thead>
<tr>
<th>Division of NTP Unit</th>
<th>Student</th>
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<tbody>
<tr>
<td>Biomolecular Screening Branch</td>
<td>Natalie Bell</td>
</tr>
<tr>
<td>Cellular &amp; Molecular Pathology Branch</td>
<td>Saikiran Devanga Chinta Robert (Zach) Cochran Ly Le</td>
</tr>
<tr>
<td>NTP Laboratory</td>
<td>Shama Birla, Sahana Giridharan Stephen Li Tatlock Lauten Trina Phan Tanner Russ Tatianna Taylor</td>
</tr>
<tr>
<td>Program Operations Branch and Biostatistics &amp; Computational Biology Branch</td>
<td>Alyssa Taylor</td>
</tr>
<tr>
<td>Office of Report on Carcinogens</td>
<td>Archal Patel</td>
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</tbody>
</table>
• Established on Nov 6, 1978 by Joseph Califano, Secretary of Health, Education and Welfare (today DHHS)
  – Interagency program comprised of relevant Public Health Service activities of FDA, NCI, NIOSH, and NIEHS
  – External input obtained from NTP Executive Committee and NTP Board of Scientific Counselors

• Broad scope that includes testing, research, literature-analysis, and development of new/improved approaches

• Evaluated >2800 agents of potential public health concern for a variety of health-related effects
  – General toxicity, carcinogenicity, genotoxicity, and effects on reproduction, development, and immune system

• Communicate results through technical reports, monographs, journal articles, and NTP website
NTP 40th Anniversary Recognition

- Starts at 3:00 pm
- Lobby: Posters manned 3-3:30 pm
- Cafeteria: Refreshments and recognition celebration at 3:30 pm
NTP 40th Anniversary Committee

- Diane Spencer (chair)
- Brandy Beverly
- Michelle Cora
- Darlene Dixon
- June Dunnick
- Steve Ferguson
- Alison Harrill
- Kembra Howdeshell
- Eli Ney
- Amy Wang
- Kristine Witt
- Nigel Walker
- Dahea You