



**NTP**

National Toxicology Program

# Report to the NTP Board of Scientific Counselors

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National Institute of Environmental Health Sciences  
National Toxicology Program

June 17, 2019





# Appropriations

	FY 2017 Omnibus Appropriation	FY 2018 Omnibus Appropriation	FY 2019 Appropriation	FY 2020 President's Budget	FY 2020 House Mark
NIEHS	\$ 714,261,000	\$ 751,143,000	\$ 774,707,000	\$ 666,854,000	\$ 812,570,000
NIH (LHHS) <sup>a</sup>	\$34,084,000,000	\$37,084,000,000	\$39,079,000,000	\$34,151,048,000	\$41,100,000,000
Common Fund <sup>b</sup>	\$ 695,456,000	\$ 600,716,000 <sup>c</sup>	\$ 606,566,000 <sup>c</sup>	\$ 532,967,000	\$ 617,761,000
Superfund	\$ 77,349,000	\$ 77,349,000	\$ 79,000,000	\$ 66,581,000	\$ 80,000,000
NIEHS/DOE Training <sup>d</sup>	\$ 10,000,000	\$ 10,000,000	\$ 10,000,000		

<sup>a</sup> Excludes Mandatory Type 1 Diabetes Research and Superfund.

<sup>b</sup> Includes addition of \$12.6 million for the Gabriella Miller Kids First Act pediatric research initiative.

<sup>c</sup> Excludes \$60 million "All of US" funding which the committee moved to the NIH Office of the Director.

<sup>d</sup> 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.

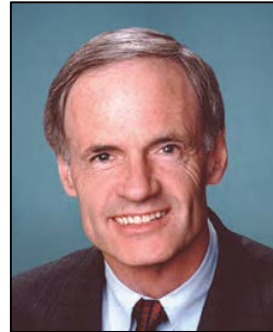


# Congressional Testimony

- 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



- **“Health and Environmental Impacts of Mountaintop Removal Mining” and H.R. 2020, “*Appalachian Communities Health Emergency Act of 2019*”**

- April 9: House Natural Resources Committee’s Subcommittee on Energy and Mineral Resources





## One NIEHS

### ***DNA Methylation in Mice is Influenced by Genetics as Well as Sex and Life Experience.***

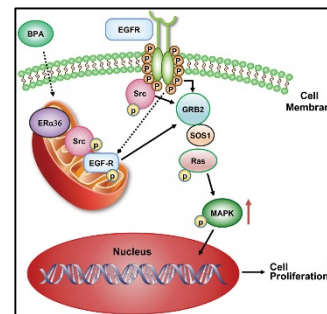
Grimm SA [DIR], T Shimbo [DIR], M Takaku [DIR], JW Thomas, S Auerbach [NTP], BD Bennett [DIR], JR Bucher [NTP], AB Burkholder [DIR], F Day [DIR], Y Du [DIR], CG Duncan [DIR], JE French [NTP], JF Foley [NTP], J Li [DIR], BA Merrick [NTP], RR Tice [NTP], T Wang [DIR], X Xu [DIR], PR Bushel [DIR], DC Fargo [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 ER $\alpha$ 36 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)

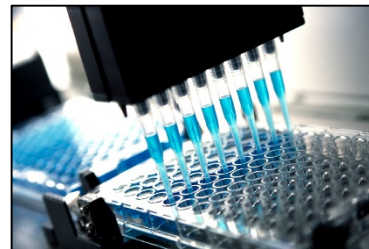




## DNTP

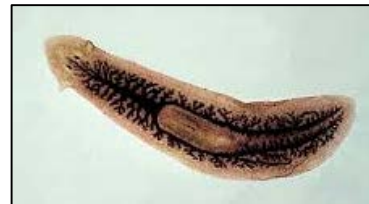
### ***Using Tox21 High-throughput Screening Assays for the Evaluation of Botanical and Dietary Supplements.***

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](mailto:EICsearch@nih.gov) for more information and how to apply.



# Children's Environmental Health

- 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





# Rodbell Renovation



## 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

- 3<sup>rd</sup> 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)





# Awards and Recognition



**Kembra Howdshell, PhD**

Office of Health Assessment and Translation

**Teratology Society F. Clark Fraser  
New Investigator Award**



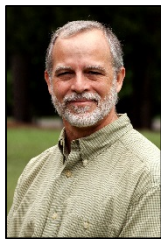
**Michelle Hooth, PhD**

Program Operations Branch

**Elected to Board of Directors for  
the American Board of Toxicology**



# Staff Changes – Said Goodbye



**Dan Morgan, PhD**, Toxicology Branch (retired)



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



**Cassandra Shines, MS**, NTP Laboratory (retired)



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

Not pictured: **Teenette (Tina) Jones**, Cellular & Molecular Pathology Branch (retired)



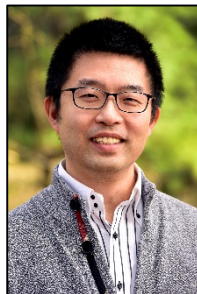


# Staff Changes – New Faces



**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



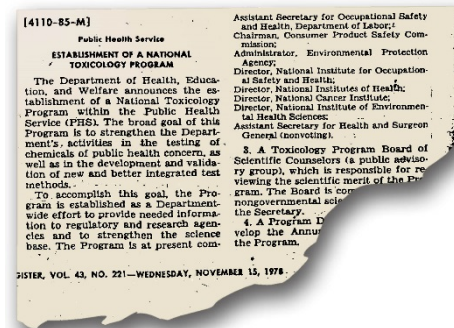


# Staff Changes – Summer Interns

Division of NTP Unit	Student
Biomolecular Screening Branch	Natalie Bell
Cellular & Molecular Pathology Branch	Saikiran Devanga Chinta Robert (Zach) Cochran Ly Le
NTP Laboratory	Shama Birla Sahana Giridharan Stephen Li Tatlock Lauten Trina Phan Tanner Russ Tatianna Taylor
Program Operations Branch and Biostatistics & Computational Biology Branch	Alyssa Taylor
Office of Report on Carcinogens	Archal Patel



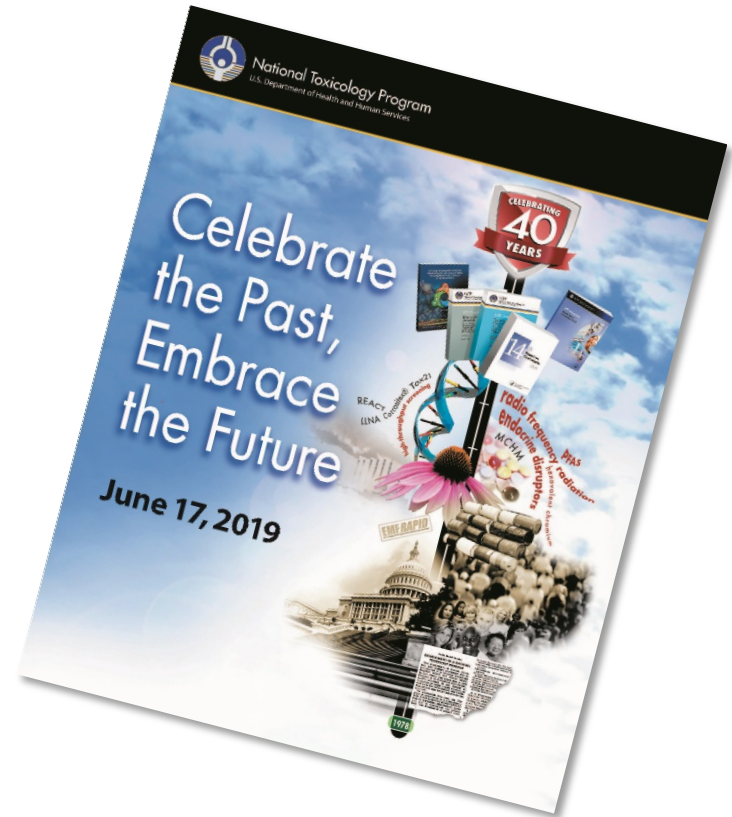
- Established on Nov 6, 1978 by Joseph Califano, Secretary of Health, Education and Welfare (today DHHS)
  - Interagency program comprised of relevant Public Health Service activities of FDA, NCI, NIOSH, and NIEHS
  - External input obtained from NTP Executive Committee and NTP Board of Scientific Counselors
- 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 40<sup>th</sup> Anniversary Recognition

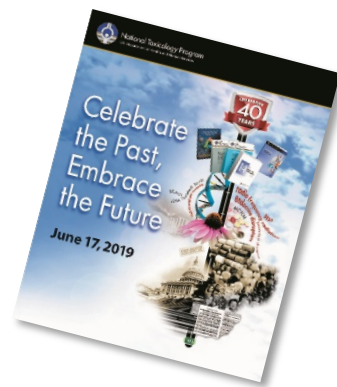
- Starts at 3:00 pm
- Lobby: Posters manned 3-3:30 pm
- Cafeteria: Refreshments and recognition celebration at 3:30 pm





## NTP 40<sup>th</sup> 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



# Thank You!

