

## Director's Report to the NTP Board of Scientific Counselors

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## **Appropriations**

- House Labor, HHS, ED and related hearing on NIH funding
- Senate Labor, HHS Appropriations Subcommittee hearing on NIH funding
- The House and Senate have passed a budget resolution for FY 2016







## **Legislative Report**

## **Briefings**

 Senate Appropriations staff, Laura Friedel, Majority Clerk, and Alex Keenan, Minority Clerk.

 Senate Interior, Environment Appropriations staff Melissa Zimmerman (Minority) and Chris Tomassi (Majority)







## **TSCA** Reform

- Frank R Lautenberg Chemical Safety for the 21st Century Act FOIA Improvement Act
  - Senate Environment & Public Works Committee hearing on the Lautenberg Chemical Safety for the 21st Century Act

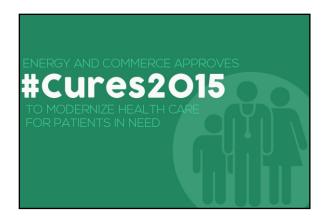


- TSCA Modernization Act of 2015
  - House Energy and Commerce Subcommittee on Environment and the Economy hearing on a draft bill to amend TSCA



## **Other Relevant Legislation**

- 21st Century Cures Act
  - Approved by House Energy and Commerce Subcommittee on Health
- Secret Science Reform Act of 2014
  - Passed by the House in March 2015







## Thank you Mary Gant for 27 years of service!

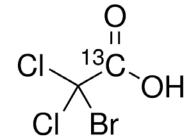






# F344/Ntac rats chronically exposed to bromodichloroacetic acid develop mammary adenocarcinomas with mixed luminal/basal phenotype and Tgf $\beta$ dysregulation.

Harvey JB (DNTP), Hong HH (DNTP), Bhusari S, Ton TV (DNTP), Wang Y (DNTP), Foley JF (DNTP), Peddada SD (DIR), Hooth M (DNTP), DeVito M (DNTP), Nyska A, Pandiri AR (DNTP), Hoenerhoff MJ (DNTP). Vet Path. 2015 **(SP Goal 1)** 





Chronic inorganic arsenic exposure *in vitro* induces a cancer cell phenotype in human peripheral lung epithelial cells. Person RJ, Olive Ngalame NN, Makia NL, Bell MW, Waalkes MP, Tokar EJ. Tox Appl Pharm. 2015





Macrophage solubilization and cytotoxicity of indium-containing particles as *in vitro* correlates to pulmonary toxicity *in vivo. Gwinn WM, Qu W, Bousquet RW, Price H, Shines CJ, Taylor GJ, Waalkes MP, Morgan DL. Tox Sci.* 2015

A data analysis pipeline accounting for artifacts in Tox21 quantitative highthroughput screening assays. Hsieh JH, Sedykh A, Huang R, Xia M,

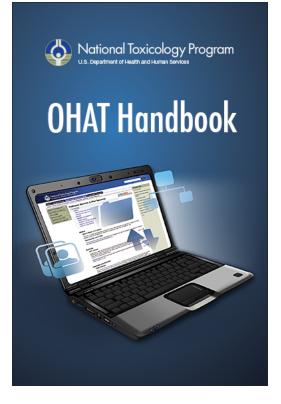
Tice RR. J Biomolecular Screening. 2015





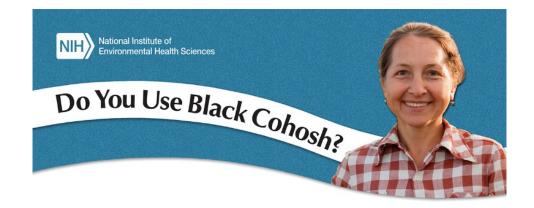
#### Handbook for Conducting a Literature-Based Health Assessment Using OHAT Approach for Systematic Review and Evidence Integration

- Standard operating procedures based on:
  - Lessons learned from developing protocols
  - Consideration of public comments received on systematic review during the past two years
  - Discussions with experts at other organizations and agencies working on applying methods of systematic review to environmental health and toxicology





Black Cohosh clinical study recruitment



#### Pharmacokinetics of Bisphenol A in Humans Following a Single Oral Administration in press Environment International

Kristina A. Thayer, Daniel R. Doerge, Dawn Hunt, Shepherd H. Schurman, Nathan C. Twaddle, Mona I. Churchwell, Stavros Garantziotis, Grace E. Kissling, Michael R. Easterling, John R. Bucher, Linda S. Birnbaum



- ICCVAM Communities of Practice Webinar on Reverse Toxicokinetics: Using *In Vitro* Data to Estimate Exposures that Could Be Associated with Adverse Effects *In Vivo* (January 27)
- ICCVAM Public Forum (May 27)
- Workshop on Juvenile Toxicology (March 13)
- Genetics and Environmental Mutagenesis Society (April 27)
- Expert Panel Meeting on Safety of High Intakes of Folic Acid (May 11-12)







## **Meetings and Events**

- IOM Roundtable: The Interplay Between Environmental Exposures and Obesity (Mar 2-3) SP Goals 1, 2, 3, 4, 5, 6, 10, 11
- International Symposium on Alternatives Assessment (Mar 5-6) SP Goals 1, 7
- Population-Based Rodent Resources for Environmental Health Sciences (Mar 18-19)
  SP Goals 1, 3







## **Toms River Public Meeting**

- Presentations on NTP findings on SAN trimer (Feb 4)
- EPA used NTP's findings to help establish cleanup levels





## **Society of Toxicology**

- The U.S. Tox21Collaboration: Advances Made and Lessons Learned
- Evaluating and Quantifying Stress for Inclusion in Cumulative Risk Assessment Approaches for Protecting Vulnerable Populations
- Incorporating In Vitro Pharmacokinetic Data and Tools into Toxicity Testing and Risk Assessments: State of the Science
- Evaluating Similarity across Related Complex Mixtures: The Challenge of Herbal Supplements
- Applications of ToxCast/Tox21 Data: Confidence and Predictivity
- Inflammation in Disease Due to Environmental Exposures
- Comprehensive Analysis of Nano Silver Toxicity Profiles: Known, Unknown, and Surprises!



#### Demonstrating NTP's Nonneoplastic Lesion Atlas



## **Upcoming Workshops**

- Alternative Approaches to Identifying Acute Systemic Toxicity: Moving from Research to Regulatory Testing (Sept 24-25)
- Addressing Challenges in the Assessment of Botanical Dietary Supplement Safety (Apr 26-27, 2016)



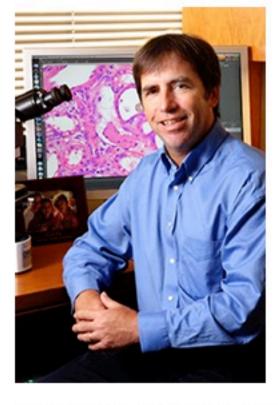




## **Awards and Recognition**







Nigel Walker, PhD Herbert E. Stokinger Award American Conference of Governmental Industrial Hygienists (ACGIH)

Erin Quist, DVM SOT Roger O. McClellan Student Award

David Malarkey, DVM, PhD 2015 president-elect of the American College of Veterinary Pathologists



### In Remembrance



Edward Carney, PhD NTP BSC 2008 - 2011



## **Thank You!**

