



## April Insights

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### HESI Annual Meeting Registration Now Open!

We are pleased to announce that registration is now open for the 7–8 June 2016 HESI Annual Meeting in Arlington, Virginia. Registration is free to all HESI members (both public and private sector), so please join us for this exciting event! The current meeting agenda is available for download at [HESI's website](#). To register *and* make your hotel reservations, please [click here](#). Please contact Ms. Cyndi Nobles ([cnobles@hesiglobal.org](mailto:cnobles@hesiglobal.org)) with any questions.



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### HESI Future Leaders Travel Award

The Future Leaders Travel (FLT) Award is now eligible for the HESI 2016 Annual Meeting! The FLT Award is a competitive program designed to give early and mid-career scientists the opportunity to explore collaborative, translational science via attendance at designated HESI scientific meetings. Applications for the HESI Annual Meeting FLT Award are due 22 April 2016 and awards will be announced on 15 May 2016. Read more or apply [online](#).

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### RISK21 Posters at Upcoming ECHA Workshop

Two posters highlighting the RISK21 project will be presented at the European Chemicals Agency (ECHA) Topical Scientific Workshop on New Approach Methodologies in Regulatory Science on 19–20 April 2016 in Helsinki, Finland. The workshop builds on the EU SEURAT-1 research program and the US Tox21 initiative and aims to explore regulatory benefit and application of "...fundamental change in scientific thinking." Angelo Moretto (University of Milan; HESI Board of Trustees) will present a poster on "RISK21: A 21st Century Roadmap for Human Health Risk Assessment" and John Doe (ParkerDoe Partnership; RISK21 Steering Team) will present a poster that draws from the RISK21 principles on "Removing Blockers to the Acceptance of New Methodology in Regulatory Science." Read more about

## Highlights From SOT

First, we congratulate HESI's Executive Director Syril Pettit on her [SOT Past Presidents' 5K Fun Run](#) win. Syril came in first in the women's division!



The sixth annual SOT Past Presidents' 5K Fun Run/Walk was held in New Orleans' Audubon Park. The fastest times this year were run by Trevor Tilly (right) and Syril Pettit (left). Photo Credit: Society of Toxicology (SOT).

SOT provides a great opportunity for HESI to connect with members and share recent scientific findings. This year was no different, with a number of posters and presentations from HESI members and a poster presentation from the HESI Committee on Development of Methods for a Tiered Approach to Assess the Bioaccumulation of Chemicals (*In Vitro* Fish Hepatic Metabolism: A Ring Trial to Evaluate Transferability, Intra- and Interlaboratory Reproducibility," by H.M. Peterson, M. Embry, K. Fay, M.J. Bernhard, I. Bischof, J.W. Davis, J. Domoradzki, M. Halder, X. Han, J. Hu, K.M. Johanning, H. Laue, D. Nabb, J. Nichols, C. Schlechtriem, H. Segner, L. van der Wal, and J. Weeks).

HESI also held our annual CITE lecture with a presentation from Dr. Dawn Wesson, Associate Professor of Tropical Medicine at Tulane University. Dr. Wesson presented, "Zika Virus, Host-Pathogen Evolution, and Transdisciplinary Solutions to Rapidly Emerging Public Health Crises," which featured background on the evolution of the Zika virus, its transmission and mechanism of action, and her thoughts on what diverse scientific disciplines will be required to control this rapidly spreading threat.

The HESI Translational Biomarkers of Neurotoxicity (NeuTox) Committee also had an opportunity to meet and discuss their recent pilot study results. The main study objective is to identify circulating biomarkers that predict central and peripheral neurotoxicity by correlating them with behavioral, imaging, morphometric, and neuropathological endpoints. The committee hopes to present the final data analysis at an upcoming meeting. For more information about the NeuTox Committee, email Jennifer Pierson ([jpierson@hesiglobal.org](mailto:jpierson@hesiglobal.org)).



The ToxExpo brings together approximately 350 exhibitors, including laboratories, manufacturers, suppliers, researchers, and more. Pictured here at the 2016 SOT ToxExpo, HESI's own Dr. Stan Parish (left), Dr. Roy Forster, CiToxLAB (middle), and Dr. Jacques Descotes, University of Lyon (right), are discussing the upcoming Fall Immunotoxicology Summer School. Photo Credit: Society of Toxicology (SOT).

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## HESI Members Edit New Book

Drs. Michael Graziano and David Jacobson-Kram, long-time HESI members and contributors, have co-edited a new book titled, *Genotoxicity and Carcinogenicity Testing of Pharmaceuticals*. Congratulations to the editors! View the book [here](#).

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## Open Surveys

- **Male Reproductive Toxicology.** The DART Technical Committee has launched a survey toward understanding the predictivity of adverse findings in nonclinical male fertility studies to clinical outcomes in men. **The survey is open to all who are willing to contribute data.** To learn more about or to participate in the survey, please contact Connie Chen ([cchen@hesiglobal.org](mailto:cchen@hesiglobal.org)). Survey responses will be accepted on a rolling basis through 30 June 2016.
  - **Nonclinical Neonatal Models.** The DART Technical Committee has formed a workgroup to understand the best use of nonclinical approaches for neonatal therapeutics. In order to gain a better understanding of the scope and application of available approaches across industry, regulatory, and academic institutes, you are invited to submit your experience with current nonclinical models of drug development intended for neonatal pediatric diseases via an open survey. Contact Connie Chen ([cchen@hesiglobal.org](mailto:cchen@hesiglobal.org)) to learn more or to participate in the survey.
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## Call for Abstracts

The HESI Sustainable Chemical Alternatives Committee is chairing a platform session on Business Examples of Chemical Alternatives Assessment at the [SETAC North America Annual Meeting](#), 6–10 November 2016 in Orlando, Florida. This session will emphasize the sharing of practices in industry at different parts of the supply chain, by manufacturers, formulators, and retailers. Presentations on advances in chemical substitutions from the public sector are also welcome. The meeting will provide a forum for sharing best practices of chemical alternatives assessment. Abstract submission is open until 8 June 2016. Please contact Jennifer Y. Tanir ([jtanir@hesiglobal.org](mailto:jtanir@hesiglobal.org)) for more information.

## RECENT PUBLICATIONS

Thybaud V, Kasper P, Sobol Z, Elhajouji A, Fellows M, Guerard M, Lynch AM, Sutter A, Tanir JY. (2016). [Genotoxicity assessment of peptide/protein related biotherapeutics: Points to](#)

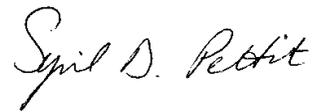
## FROM THE EXECUTIVE DIRECTOR

This month, I'd like to use my space to let you know how excited I am for the 2016 HESI Annual

[consider before testing](#). *Mutagenesis*. (Advance Access).

Special Issue of *Mutagenesis*: Quantitative Genetic Toxicology. The special issue contains a series of papers inspired by the HESI Genetic Toxicology Technical Committee's 2014 Workshop "Genetic Toxicology at the Crossroads – From Qualitative Hazard Evaluation to Quantitative Risk Assessment." The *Mutagenesis* special issue papers can be accessed [here](#) (Advance Access).

Meeting. We've modified the format somewhat from years past so you will have more opportunities to learn about the amazing work HESI's scientific programs are undertaking. We will also have several exciting invited speakers addressing issues ranging from reproducibility in science, to the way scientific foundations identify and fund emerging health needs, to the future of synthetic biology. I hope to make this our most well-attended annual meeting yet—so register now. I look forward to seeing all of you in June.



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