

Welcome to March *Insights*. Inside this edition: HESI Annual Meeting, upcoming events, and more!



March Insights

HESI 2017 Annual Meeting



The 2017 Annual Meeting will be held **13–15 June 2017** in Dublin, Ireland, with the theme *Science Forward*. A draft agenda and hotel booking information are now available on the [meeting website](#). Don't miss this opportunity to hear innovative keynote speakers and learn more about HESI's new Scientific Foresight efforts, our ongoing scientific programs (and where they are headed), and new emerging issues proposals!

Workshop on Advances and Roadblocks for Use of Genomics Data in Cancer Risk Assessment for Drugs and Chemicals



Workshop on Advances and Roadblocks for Use of Genomics Data in Cancer Risk Assessment for Drugs and Chemicals

May 25-26, 2017 Montréal, Canada

A two-day workshop co-organized by the Health and Environmental Sciences Institute, Health Canada, and McGill University to address current and potential applications of genomics in cancer risk assessment



  **McGill**  Santé Canada Health Canada

This 2-day workshop is organized by Health Canada, McGill University, and the HESI Application of Genomics to Mechanism-Based Risk Assessment Committee and will be held on **25–26 May 2017** in

Montreal, Canada. The event will feature multi-sector and international perspectives on current and potential applications of genomics in cancer risk assessment. Workshop information, including details of the call for posters, the workshop flyer, and draft program, is available on our workshop website [here](#). The registration link, which includes lodging information, is available [here](#). Please contact Dr. Raegan O'Lone (rolone@hesiglobal.org) with any questions.

Workshop on Mode of Action Approaches That Identify Genotoxic Mechanisms in Mammalian Cell Systems



Workshop: Mode of Action Approaches That Identify Genotoxic Mechanisms in Mammalian Cell Systems

May 10th, 2017 • 12:30 - 6:30 pm
University of Delaware, Newark, DE
John M. Clayton Hall Conference Center

Organized by the HESI Genetic Toxicology Technical Committee

HESI.
GTA

The HESI Genetic Toxicology Technical Committee (GTTC) will hold this workshop in conjunction with the Genetic Toxicology Association (GTA) annual meeting on 10 May 2017 in Newark, Delaware. Workshop topics will include mini adverse outcome pathways for genotoxic modes of actions, methods to determine the mode of action of genotoxic agents, and how to use new technologies to establish the mode of action of genotoxicity for new chemical entities. Please visit the [workshop website](#) or contact Jennifer Tanir (jtansir@hesiglobal.org) for additional information. This event is eligible for the HESI Future Leaders Travel Award (FLT). Read more about the award and complete the [online application](#) by March 27, 2017.

Register Today for the Rethinking Developmental Toxicity Testing: Revolution or Evolution Workshop



**Rethinking Developmental Toxicity Testing:
Evolution
or
Revolution**

19–20 April 2017
Kimpton Hotel Palomar
Washington, DC

Organized by the
HESI Developmental and Reproductive
Toxicology Technical Committee

HESI

Registration is still open for this workshop, which will be held on **19–20 April 2017** in Washington, DC. This workshop is being organized by the HESI Developmental and Reproductive Toxicology (DART) Committee and will consider new strategies to identify developmental hazard alternatives or improvements to the current Segment 2 design. These considerations could include the use of new technology to overcome some of the limitations in predicting human response with current animal models or a completely new radical approach to developmental toxicity hazard identification. They may range from having a critical paradigm to decide when nonclinical studies are needed to using biotechnology and computational models or hazard characterization. Working groups can consider either strategy or combinations of the two. For additional information, visit the workshop's [website](#) or contact Dr. Connie Chen (cchen@hesiglobal.org).



Member!

Lauren Peel joined HESI on 6 March 2017 as a Scientific Program Associate. Lauren received her bachelor's degree in bioenvironmental sciences and agronomy from Texas A&M University. Her interests include food safety, toxicology, water quality, and sustainable agricultural development. Please join us in welcoming her!

Recent Publications

Dellarco M, Zaleski R, Gaborek BJ, Qian H, Bellin CA, Egeghy P, Heard N, Jolliet O, Lander DR, Sunger N, Stylianou KS, Tanir JY (2017) Using exposure bands for rapid decision making in the RISK21 tiered exposure assessment. *Critical Reviews in Toxicology*. Published online ahead of print 10 Feb 2017. doi: 10.1080/10408444.2016.1270255. [Read more.](#)

FROM THE PRESIDENT



2020 Vision

With a focus on the timespan leading up to the year 2020, HESI has embarked on a science foresight project to carefully assess pressing global scientific challenges in five areas and see how HESI might meet those challenges. The five areas are: **planetary pressures** (e.g., climate change), **technology** (e.g., genome editing), **practice of science** (e.g., interdisciplinary science), **population/individual sensitivity** (e.g., aging), and **societal influences** (e.g., science skepticism). HESI currently has programs in each of the five areas, but there are and will be gaps between global challenges and what HESI can do. The next stage of the Science Foresight project will look at HESI's opportunities and strengths to contribute to these global challenges. These are early days for this project, with more careful analysis remaining that will depend on your input and advice, including significant time at the HESI Annual Meeting in Dublin devoted to help sharpen HESI's vision. We have asked the "what" question regarding the challenges. In 2017, we will address the "why," "when," and "how" questions that will help HESI focus on the future with a vision to remain relevant and effective.

Tim Pastoor, HESI President

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