



September Insights

HESI at EUROTOX

Dr. Manasi Nandi (Kings College London) delivered the 2018 HESI Combining Interdisciplinary and Translational Expertise (CITE) lecture at EUROTOX in Brussels on 5 September 2018. The session was chaired by Dr. Heather Wallace (University of Aberdeen) and featured an interdisciplinary project using mathematical models and cardiovascular data to predict outcomes from drug exposures. This project is a current partnership between Dr. Nandi's laboratory and the HESI Cardiac Safety Committee. To learn more about the Cardiac Safety Committee, click [here](#).

Dr. Alan Boobis (Imperial College London) participated in a session on ensuring the validity of *in vitro* replacements, and his talk highlighted the efforts of the HESI Framework for Intelligent Non-Animal Alternative Methods for Safety Assessment Subcommittee. To learn more about the Framework Subcommittee, click [here](#).

The HESI Immunotoxicology Committee (ITC) held a symposium on "Cytokine Release Assay: Future Direction," highlighting the strides the field has made over the past 12 years. The presentations covered topics that ranged from the harmonization of positive and negative controls in a co-sponsored project with the UK National Institutes of Biological Standards and Controls, to translational and regulatory consideration regarding CRAs, to the value that humanized mouse models have brought to hazard identification of cytokine storm. To learn more about the ITC, click [here](#).

Emerging Issues 2019: Call for Proposals

HESI is seeking your suggestions for new scientific projects (human or environmental health) for consideration as an emerging issue in 2019. Proposals will be reviewed in early 2019, and one or more will be selected to form a new scientific collaborative program within HESI. Although this is not a grant, the selected program will receive support from HESI for scientific program design, coordination, and staffing.



HESI Emerging
Issues Process

Learn more about the HESI Emerging Issues Process on our [website](#) or download the proposal form [here](#). The deadline to submit proposals is **14 December 2018**. Don't miss out!

NIEHS Releases New Strategic Plan

The National Institute of Environmental Health Sciences (NIEHS) recently published their latest 5-year strategic plan. Read more [here](#).

Upcoming Events

PATB Committee Workshop



Bioinformatics approaches to assess safety of novel proteins in relation to food hypersensitivity

Hosted by the HESI Protein Allergens, Toxins, and Bioinformatics Committee



HESI invites you to attend the Protein Allergens, Toxins, and Bioinformatics (PATB) Committee Workshop on “Bioinformatics Approaches to Assess Safety of Novel Proteins in Relation to Food Hypersensitivity” on **17–18 October 2018** in Copenhagen, Denmark.

The workshop will cover historic aspects of food allergy assessment, the evolution of bioinformatics as it relates to allergy assessment, and recent changes in regulations regarding novel food proteins. We are excited to present an outstanding panel of speakers with expertise in allergy assessment and guest speakers from the European Bioinformatics Institute (EBI-EMBL), the A*STAR Bioinformatics Institute (BII) in Singapore, TNO, Aarhus University, and Leiden University.

For more information, click [here](#). Register now!

Recent Publications

Akkerdaas J, Totis M, Barnett B, Bell E, Davis T, Edrington T, Glenn K, Graser G, Herman R, Knulst A, Ladics G, McClain S, Poulsen LK, Ranjan R, Rascole J-P, Serrano H, Speijer D, Wang R, Pereira Mouries L, Capt A, and van Ree R (2018) Protease resistance of food proteins: a mixed picture for predicting allergenicity but a useful tool for assessing exposure. *Clinical and Translational Allergy*. 8:30 (open access). [Read More](#)

Daston G, Piersma A, Attias L, Beekhuijzen M, Chen C, Foreman J, Hallmark N, and LeConte I (2018) Best practices for developmental toxicity assessment for classification and labeling. *Reproductive Toxicology*. 80:44–48 (open access). [Read More](#)

McClain S, Stevenson SE, Brownie C, Herouet-Guicheney C, Herman RA, Ladics GS, Privalle L, Ward JM, Doerr N, and Thelen JJ (2018) Variation in seed allergen content from three varieties of soybean cultivated in nine different locations in Iowa, Illinois, and Indiana. *Frontiers in Plant Science*. 9:1025 (open access). [Read More](#)

From the Leadership

Do you remember 1989? That is the year:

- The Berlin Wall falls
- The first cell phone goes on sale.
- Michael Bishop and Harold Varmus win the Nobel Prize in Medicine
- Computer scientist Sir Tim Berners-Lee invents the World Wide Web
- **HESI is established!**

HESI will celebrate 30 years of success in developing public-private partnerships to identify and resolve global health and environmental challenges. The 2019 Annual Meeting will recognize this milestone June 11-12 in Alexandria, Virginia. An exciting program is planned that will highlight what HESI has accomplished, what HESI is doing now and the exciting opportunities for HESI in the future.

Mark your calendar and join HESI trustees, staff and members to mark 30 years of the quality science that is a HESI hallmark.

Charlene McQueen
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