



# HESI ANNUAL MEETING

JUNE 13-15, 2017

DUBLIN IRELAND

SCIENCE FORWARD

TUESDAY JUNE 13, 2017

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<b>8:30 am – 12:00 pm</b>	<b>HESI Board of Trustees Meeting</b> <i>Trustees and HESI Committee Leaders Invited. Observers Welcome</i>
<b>12:30 pm – 1:30 pm</b>	<b>HESI Scientific Committee Leadership Discussion Session</b> Opportunity to identify and resolve committee leadership issues, challenges, opportunities, and define ways HESI can better support its programs and volunteers. <i>All HESI Scientific Committee Leaders invited to attend. Dr. Tim Pastoor, HESI President to Moderate.</i>
<b>2:00 pm – 6:30 pm</b>	<b>HESI Annual Meeting Opening Plenary</b>
<b>2:00 pm – 2:10 pm</b>	<b>Welcome to Dublin, Chair's Remarks, and Meeting Overview</b> <i>HESI Chair, Dr. Ernie Harpur, New Castle University</i>
<b>2:10 pm – 2:30 pm</b>	<b>State of the Organization</b> HESI's global impacts, progress, and future goals, <i>Ms. Syril Pettit, HESI Executive Director</i>
<b>2:30 pm – 5:25 pm</b>	<b>HESI Science Sampler – Key Achievements and Initiatives from 2016-17.</b> <i>Moderated by Dr. Ernie Harpur, HESI Chair</i>

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<b>2:35 pm – 3:00 pm</b>	<b>Re-thinking DART assessment for chemicals and pharmaceuticals– Evolution or Revolution</b> <i>Dr. Sue Makris, U.S. Environmental Protection Agency, Introduction by HESI Scientific Program Manager Connie Chen.</i>
<b>3:00 pm – 3:30 pm</b>	<b>An Ecological Threshold for Toxicological Concern (Eco-TTC)</b> <i>Dr. Scott Belanger, P&amp;G, Introduction by HESI Associate Director, Michelle Embry</i>
<b>3:30 pm – 4:00 pm</b>	<b>Opening the Archives – Novel Methods for Interrogating FFPE Stored Tissues</b> <i>Dr. Susan Hester, U.S. Environmental Protection Agency, Introduction by HESI Associate Director, Raegan O’Lone</i>
<b>4:00 pm – 4:25 pm</b>	<b>Creating a public resource for protein allergenicity assessment – COMPARE</b> <i>Prof. Ronald van Ree, University of Amsterdam, Introduction by HESI Scientific Program Manager, Lucilia Mouries</i>
<b>4:25 pm – 4:55 pm</b>	<b>PBPK Models: Improving documentation and defining predictive capabilities</b> <i>HESI Associate Director, Dr. Michelle Embry, HESI</i>
<b>4:55 pm – 5:25 pm</b>	<b>Towards Accessible Biomarkers of Neurotoxicity</b> <i>Dr. Ruth Roberts, Apconix, Introduction by HESI Senior Scientific Program Manager, Jennifer Pierson</i>
<b>5:25 pm – 5:45 pm</b>	<b>Break, Grab a Glass of Wine, RETURN to Plenary Room</b>
<b>5:45 pm – 6:30 pm</b>	<b>A Look Around the Corner – Perspectives on upcoming research, priorities, and challenges from HESI science programs.</b> <i>Committees represented: Genetox, ITC, Bioaccumulation, Risk21, CT-TRACS, Cardiac, Nephrotox, Frameworks for Non-Animal Testing, Sustainable Chemical Alts.</i>
<b>6:40 pm</b>	<b>Meet the Speakers</b> <i>Brief Introduction of All Speakers to Facilitate Networking</i> <b>Welcome Reception with Dinner</b>

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WEDNESDAY JUNE 14, 2017

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<b>9:00 am – 12:00 pm</b>	<b>CITE Seminar - From Data to Knowledge</b>  <i>Innovators in data analytics, study design, and application across human and environmental health. Moderated by HESI Trustee, Brian Berridge</i>
<b>9:00 am – 9:50 am</b>	<b>Making the Most of Physiological 'Big' Data - a Maths in Medicine Case Study'</b>  <i>Dr. Manasi Nandi, Senior Lecturer in Integrative Pharmacology, Kings College London, Institute of Pharmaceutical Science</i>
<b>9:50 am – 10:40 am</b>	<b>Biological Approaches to Metal Recovery and Reuse.</b>  <i>Dr. Louise Horsfall, Senior Lecturer, School of Biological Sciences, University of Edinburgh, Recipient of the 2015 Chancellor's Rising Star Award, Co-Director for Center for Science at Extreme Conditions.</i>
<b>10:40 am – 11:00 am</b>	<b>BREAK</b>
<b>11:00 am – 11:50 am</b>	<b>Data Driven Healthcare - Innovation and Practice</b>  <i>Dr. Maya Leventer Roberts, Deputy Director, Clalit Research Institute, Adjunct Assistant Professor of Preventive Medicine and Pediatrics, Icahn School of Medicine at Mount Sinai</i>
<b>12:00 pm – 1:15 pm</b>	<b>HESI Scientific Committee Leadership Recognition Luncheon</b>  Join us in recognizing the outstanding contributions of our volunteer leaders who help shape the future and impact of HESI's scientific

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initiatives. *All HESI Scientific Committee Chairs encouraged to attend. All meeting participants invited to participate in luncheon.*

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**1:30 pm – 5:45 pm**

**Future Science at HESI**

*Welcome and Session Introduction by Ms. Jennifer Pierson, HESI Senior Scientific Program Manager*

**1:35 pm – 2:05 pm**

**Introductory Talk: Identifying and Building Programs to meet Emerging Science – Perspectives from the International Council of Scientific Unions ICSU**

Establishing a scientific research and implementation agenda that addresses societal and healthcare challenges. *Dr. Lucilla Spini, Head of Science Programmes, International Council for Science (ICSU)*

**2:05 pm – 2:25 pm**

**How does HESI Identify and Adopt ‘Future Science’?**

*Dr. Tim Pastoor, HESI President*

**2:25 pm – 2:45 pm**

**HESI’s Newest Scientific Programs**

*New Programs from within HESI Portfolio by Ms. Jennifer Pierson, HESI Senior Scientific Program Manager*

*EI Committee - Microbiome-based Biomarkers by Dr. Donna Gulezian, Cmte Co-Chair*

*EI Committee - Cell Therapy Tracking and Safety by Dr. Lucilia Mouries, HESI Program Manager*

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**2:45 pm – 3:30 pm**

**Presentation of Project Proposals for 2018**

**2:50 pm – 3:05 pm**

**Improving fate and ecotoxicity assessment tools to advance the ecological risk assessment of difficult to test multi-component substances**

*Dr. Dan Salvito, Research Institute for Fragrance Materials (RIFM)*

**3:05 pm – 3:30 pm**

**Development and Application of a Generic Tool for Performing Ecological Risk Assessments of Multiple Stressors**

*Dr. Leo Posthuma, Centre for Sustainability, National Institute of Public Health and the Environment (RIVM)*

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*Dr. Tom Parkerton, ExxonMobil Biomedical Sciences, Inc.*

**3:30 pm – 4:00 pm**

**BREAK**

**4:00 pm – 5:45 pm**

**Future Science Hot Topics: CRISPR – Toward A New Future for Human and Ecological Health.**

*Moderated by Raegan O’Lone, HESI Associate Director*

**CRISPR for Therapy Development – Discovery, Safety, and Opportunity**

*Dr. Mick Fellows, Principal Scientist New Modalities, Drug Safety and Metabolism*

**Gene Drive Technology to Support Malaria Eradication – Building the ecological risk assessment framework for evaluation.**

*Dr. John Teem, ILSI Research Foundation.*

**Discussion Session**

*All speakers invited to participate in the panel.*

**5:45 pm**

**ADJOURN**

**6:00 pm – 7:00pm**

**Special Session: UNEP Information Session**

*Dr. Monika MacDevette, UN Environment program, Deputy Director, Ecosystems Division, Nairobi, Kenya. Moderated by Michelle Embry, HESI Associate Director*

**8:00 pm – 11:00 pm**

**Special Event: Reception Dinner at the Guinness Brewery**



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THURSDAY JUNE 15, 2017

**9:00 am – 11:30 am**

**Science without Borders? The challenges and benefits of regional, national, and international science collaborations.**

*Speakers from national and global science partnership and funding programs. Each panelist to provide 10-15 minute overview of their role and their organization's mission as a national /international/supra-national body. Panel Moderated by Dr. Charlene McQueen, University of Arizona*

**NIH and Global Partnerships and Programs for Public Health**

*Dr. Paul Pearlman, National Cancer Institute, Science Policy Advisor*

**International Council for Science (ICSU)**

*Dr. Lucilla Spini, Head of Science Programmes*

**Biotechnology and Biosciences Research Council, UK**

*Professor Melanie Welham, Chief Executive*

**Innovative Medicines Initiative**

*Dr. Hugh Laverty, Head of Scientific Operations within IMI-JU*

**United Nations Environment Program**

*Dr. Monika MacDevette, Deputy Director, Ecosystems Division, Nairobi, Kenya*

**11:30 am – 12:00 pm**

**Awards and Acknowledgements**

**12:00 pm**

**ADJOURN**

For more information contact [cnobles@hesiglobal.org](mailto:cnobles@hesiglobal.org)