



HESI ANNUAL MEETING

JUNE 13-15, 2017

DUBLIN IRELAND

SCIENCE FORWARD

TUESDAY JUNE 13, 2017

8:30 am – 12:00 pm	HESI Board of Trustees Meeting <i>Trustees and HESI Committee Leaders Invited. Observers Welcome</i>
12:30 pm – 1:30 pm	HESI Scientific Committee Leadership Discussion Session 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. Moderated by Dr. Tim Pastoor, HESI President.</i>
2:00 pm – 6:30 pm	HESI Annual Meeting Opening Plenary
2:00 pm – 2:10 pm	Welcome to Dublin, Chair’s Remarks, and Meeting Overview <i>HESI Chair, Dr. Ernie Harpur, and ILSI Europe Chair, Dr. John O’Brien</i>
2:10 pm – 2:30 pm	HESI: Science Forward, Perspectives from the Executive Director <i>HESI’s global impacts, progress, and future goals, Ms. Cyril Pettit, HESI Executive Director</i>
2:30 pm – 5:25 pm	HESI Science Sampler – Key Achievements and Initiatives from 2016-17. <i>Moderated by Dr. Ernie Harpur, HESI Chair</i>



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



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WEDNESDAY JUNE 14, 2017

9:00 am – 12:00 pm	CITE Seminar - From Data to Knowledge <i>Innovators in data analytics, study design, and application across human and environmental health. Moderated by HESI Trustee, Brian Berridge</i>
9:00 am – 9:50 am	Making the Most of Physiological 'Big' Data - a Maths in Medicine Case Study' <i>Dr. Manasi Nandi, Senior Lecturer in Integrative Pharmacology, Kings College London, Institute of Pharmaceutical Science</i>
9:50 am – 10:40 am	Biological Approaches to Metal Recovery and Reuse. <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>
10:40 am – 11:00 am	BREAK
11:00 am – 11:50 am	Data Driven Healthcare - Innovation and Practice <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>



12:00 pm – 1:15 pm	HESI Scientific Committee Leadership Recognition Luncheon Join us in recognizing the outstanding contributions of our volunteer leaders who help shape the future and impact of HESI's scientific initiatives. <i>All HESI Scientific Committee Chairs encouraged to attend. All meeting participants invited to participate in luncheon.</i>
1:30 pm – 5:45 pm	Future Science at HESI <i>Welcome and Session Introduction by Ms. Jennifer Pierson, HESI Senior Scientific Program Manager</i>
1:35 pm – 2:05 pm	Future Science, Sustainable Development and Global Wellbeing: a Gender-lens Perspective? Establishing a scientific research and implementation agenda that addresses societal and healthcare challenges. <i>Dr. Lucilla Spini, Head of Science Programmes, International Council for Science (ICSU)</i>
2:05 pm – 2:25 pm	How does HESI Identify and Adopt 'Future Science'? <i>Dr. Tim Pastoor, HESI President</i>
2:25 pm – 2:45 pm	HESI's Newest Scientific Programs <i>New Programs from within HESI Portfolio by Ms. Jennifer Pierson, HESI Senior Scientific Program Manager</i> <i>EI Committee - Microbiome-based Biomarkers by Ms. Donna Gulezian, Cmte Co-Chair</i> <i>EI Committee - Cell Therapy Tracking and Safety by Dr. Lucilia Mouries, HESI Program Manager</i>
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 <i>Dr. Dan Salvito, Research Institute for Fragrance Materials (RIFM)</i>



3:05 pm – 3:30 pm	Development and Application of a Generic Tool for Performing Ecological Risk Assessments of Multiple Stressors <i>Dr. Leo Posthuma, Centre for Sustainability, National Institute of Public Health and the Environment (RIVM)</i> <i>Dr. Tom Parkerton, ExxonMobil Biomedical Sciences, Inc.</i>
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. <i>Moderated by Raegan O’Lone, HESI Associate Director</i>
	CRISPR for Therapy Development – Discovery, Safety, and Opportunity <i>Dr. Mick Fellows, Principal Scientist New Modalities, Drug Safety and Metabolism</i> Gene Drive Technology to Support Malaria Eradication – Building the ecological risk assessment framework for evaluation. <i>Dr. John Teem, ILSI Research Foundation.</i> Discussion Session <i>All speakers invited to participate in the panel.</i>
5:45 pm	ADJOURN
6:00 pm – 7:00pm	Special Session: UNEP Information Session <i>Dr. Monika MacDevette, UN Environment program, Deputy Director, Ecosystems Division, Nairobi, Kenya. Moderated by Michelle Embry, HESI Associate Director</i>
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