



A HUMAN PATHWAYS APPROACH TO DISEASE RESEARCH

8-9 December 2015 | Crowne Plaza Brussels – Le Palace Hotel

(Meeting room "Creativity-Exploration" on 1st floor)

AGENDA

TUESDAY, 8 DECEMBER 2015

- 0800 *Registration and continental breakfast outside meeting room*
- 0830 Welcome and opening remarks **Troy Seidle**, HSI
- 0845 Tour de table All
- 0900 *Keynote lecture: "Lessons from toxicology: developing a 21st century paradigm for medical research"* **Kate Willett**, HSI-HSUS

SESSION 1 | ALZHEIMER'S DISEASE

Chair: Troy Seidle

- 0930 *Keynote lecture: "Considering a new paradigm for Alzheimer's disease research"* **Gill Langley**, HSI
- 1000 "Human induced pluripotent stem cells as *in vitro* models for studying the etiology of Alzheimer's disease" **James Adjaye**, Heinrich Heine University
- 1015 "Computational models in dementia research" **Martin Hofmann-Apitius**, University of Bonn
- 1030 General discussion All
- 1100 *Break*

SESSION 2 | AUTISM SPECTRUM DISORDERS

Chair: Gill Langley

- 1115 *Keynote lecture: "The human model: changing focus on autism research"* **Alysson Muotri**, University of California San Diego
- 1145 "Pathways from gene to bedside in autism spectrum disorders research" **Anthony Bailey**, University of British

Columbia

1200 "The use of induced pluripotent stem cells to model neuro-developmental disorders: The *MECP2* duplication syndrome as an example"

Hilde van Esch,
Leuven University

1215 General discussion All

1245 *Break for lunch (buffet)*

SESSION 3 | CHOLESTATIC LIVER DISEASES

Chair: Kate Willett

1345 *Keynote lecture: "A shift in paradigm towards human biology-based systems for cholestatic-liver diseases"*

Fozia Noor,
Saarland University

1415 "Human hepatocyte spheroids in liver disease research and drug testing"

Magnus Ingelman-Sundberg,
Karolinska Institute

1430 "Bridge the gap"

Brigitte Landesmann,
EURL-ECVAM

1445 General discussion All

1515 *Break*

SESSION 4 | ASTHMA AND RESPIRATORY DISEASES

Chair: Troy Seidle

1530 *Keynote lecture: "Harnessing opportunities in non-animal asthma research for a 21st-century science"*

Ian Adcock,
Imperial College
London

1600 "Functional genomics in asthma research"

Grzegorz Woszczek, King's
College London

1615 "In sickness and in health: Modeling human airways"

Lindsay Marshall,
Aston University

1630 General discussion All

1700 Adjourn

Social evening

0830 Continental breakfast outside meeting room

SESSION 5 | AUTOIMMUNE DISEASE

Chair: Gill Langley

0900	Keynote lecture: "Innovative human-specific investigational approaches to autoimmune disease"	Anja van de Stolpe Philips Research
0930	"Human Artificial Lymph Node Model (HuALN) for biopharmaceuticals testing and disease modelling <i>in vitro</i> "	Christoph Giese , ProBioGen
0945	"ANCA-associated vasculitis and organ-on-chip" disease models"	Elena Csernok , Klinikum Bad Bramstedt
1000	General discussion	All
1030	<i>Break</i>	

SESSION 6 | TOWARD A PATHWAYS APPROACH TO HUMAN DISEASE RESEARCH: EXISTING STRUCTURES & FUNDING FRAMEWORKS

Chair: Emily Mclvor

1045	Existing efforts and roadmaps: EU perspective	Emily Mclvor , HSI
1100	Existing efforts and roadmaps: North American perspective	Kate Willett , HSI- HSUS
1115	Innovative Medicines Initiative: New technologies in action	Magda Gunn , IMI
1135	Implementing Three Rs through the Directive	Katrin Schutte , DG Environment
1155	General discussion	All
1215	<i>Break for lunch (buffet)</i>	

SESSION 7 | TOWARD A PATHWAYS APPROACH TO HUMAN DISEASE RESEARCH: FUTURE STRATEGIES

Co-chairs: Troy Seidle & Gill Langley

1315	Recap of discussion/agreements arising from Sessions 2-5?	Gill Langley , HSI
1330	General discussion	All
1500	<i>Break</i>	
1515	General discussion (continued)	All
1600	Consensus-building	Troy Seidle , HSI
1700	Close of workshop	