

Agenda iPiE Final Conference York | UK

Monday, 24th June 2019

iPiE FINAL Conference (Day 1)		
09:00	Final iPiE Partner Meeting	
10:30	Registration and Coffee-break	
11:00	Welcome and Introduction	
11:10	IPiE - Objectives and regulatory context for environmental risk assessment of human pharmaceuticals	Reinhard Laenge Bayer
11:30	Microbial biotransformation of contaminants: The role of bioavailability and community traits	Kathrin Fenner EAWAG
12:20	Lunch	
13:10	Predicting the sorption of pharmaceuticals onto soil and sediment through machine learning using experimentally derived data	Jun Li University of York
13:30	Spatial and temporal distribution of 41 pharmaceuticals in European rivers	John Wilkinson University of York
13:50	High-resolution spatial model to predict exposure to pharmaceuticals in European surface waters – ePiE	Ad Ragas Radboud University
14:10	A Comparison of Standard PECs and ePiE Catchment Model PECs with PNECs for Mycophenolic Acid	Jurg Oliver Straub F.Hoffmann-La Roche Ltd
14:30	Future Horizons for Pharmaceutical Bioaccumulation and Effects Research in Aquatic Systems	Bryan Brooks Baylor University
15:20	Coffee-break	
16:00	Assessing the bioaccumulation potential of several pharmaceuticals using fish S9 and hepatocyte assays	Lisa Constantine Pfizer
16:20	The use of an in vitro fish gill cell culture system (FIGCS) to better understand pharmaceutical uptake in fish	Nicolas Bury University of Suffolk
16:40	Predicting the uptake of ionisable pharmaceuticals into benthic invertebrates	Alessia Giorgis University of York
17:00	Bioavailability and biological effects of selected pharmaceuticals (including NSAIDs and anti-depressants) in fish	Charles Tyler University of Exeter
17:20	The Frank Mastrocco Memorial Lecture 'Ecopharmacostewardship and environmental sustainable use of pharmaceuticals.'	Bengt Mattson Pfizer
18:20	SOCIAL EVENT	

Tuesday, 25th June 2019

iPiE FINAL Conference (Day 2)		
08:40	Introduction to day 2	
08:50	The draft environmental risk assessment guideline for human pharmaceuticals: changes and new approaches	Caroline Moermond RIVM
09:40	Use of QSARs to Predict the Environmental Effects of Pharmaceuticals	Mark Cronin Liverpool John Moores University
10:00	Assessing the impacts of mixtures of antibiotics, contained in wastewater used for irrigation, on agricultural ecosystems	Brett Sallach University of York
10:20	Pharmaceutical mode of action and relation with aquatic toxicity – Lessons learned in iPiE	Anja Coors ECT
10:40	Coffee-break	
11:00	FIGCS: An in vitro model to replace ecotoxicity testing of fish to pharmaceuticals	Christer Hogstrand Kings College, London
11:20	In vitro tools to help refine the prioritisation of pharmaceuticals in the environment	Stewart Owen AstraZeneca
11:40	Semi-probabilistic environmental risk assessment of pharmaceuticals	Jason Snape AstraZeneca
12:00	VFETL - the Virtual Fish Ecotoxicology Laboratory	Adam Nellis Simomics
12:20	Lunch	
13:10	Stakeholder engagement and water management measures for the reduction of pharmaceuticals in the aquatic environment	Issa Nafo, EMSCHERGENOSSE NSCHAFT and LIPPEVERBAND
14:00	Retrospective ERA for human pharmaceuticals based on new proposed guidance	Daphne de Roode Charles River Laboratories
14:20	High potential risk of chronic exposure to multiple pharmaceuticals in a Mediterranean micro-estuary	Tom Topaz Hebrew University of Jerusalem
14:40	Prioritizing human health risk of pharmaceuticals and personal care products for groundwater monitoring in non-sewered communities	Udochi Agusiegbe University of York
15:00	CLOSE AND DEPART	

Posters

- Physiological and behavioural effects of exposure to the antidepressant amitriptyline on zebrafish early life stages. Sophie Gould, University of Exeter
- Prioritizing predicted pharmaceutical emissions from hospitals based on their relative risk to aquatic organisms. Caterina Zillien, Radboud University
- Incorporating bioavailability in aquatic risk assessment of pharmaceuticals. Karel De Schampelaere, Ghent University
- Modelling environmental antibiotic-resistance gene abundance: a meta-analysis. Daniel Duarte, Radboud University
- Characterization of molecular toxicity pathways using transcriptomics in an endangered fish species, the white sturgeon (*Acipenser transmontanus*). Taylor Lane, University of Saskatchewan
- Understanding the impacts of pH on the toxicity mixtures of antidepressants to *daphnia magna*, Jegak Seo, University of York