

2021 Joint Annual ISAB Meeting 27th-29th Sept

Day 1 – NIHR HPRU in Chemical and Radiation Threats and Hazards

- 1:30pm 20 mins Welcome and Introduction to the Overall Programme**
- 1:50pm 15 mins Q&A**
- 2:05pm 20 mins Introduction to the HPRU in CRTH – 10 mins presentation / 10 mins Q&A**
- 2:25pm 30 mins Theme I - Adverse outcome pathways and exposure-response relationships for ionising and non-ionising radiation**
- Ken Raj - Overview – 5 mins
 - Bethan Davies – 5 mins
 - Gareth Hazell - 5 mins
 - Q&A – 15 mins
 -
- 2:55pm 15 mins Tea/Coffee break**
- 3:10pm 30 mins Theme II – Biomarkers of exposure, effect and susceptibility to chemical and radiation exposures**
- Marc Chadeau-Hyam - Overview – 5 mins
 - Christophe Badie – 5 mins
 - Sonia Dagnino – 5 mins
 - Q&A – 15 mins
- 3:40pm 30 mins Theme III – In vitro testing and integration with epidemiological data**
- David Phillips - Overview – 5 mins
 - Rebekah Beck – 5 mins
 - Richard Haylock - 5 mins
 - Q&A – 15 mins
- 4:10pm 30 mins Theme IV – Neurotoxins and high toxicity agents**
- Tom Welton - Overview – 5 mins
 - Nora Bourbia – 5 mins
 - Kelvin Ng – 5 mins
 - Q&A – 15 mins
- 4:40pm 15 mins Tea/Coffee break**
- 4:55pm 30 mins Poster Presentations (8 x 2 mins pre-recorded video plus Q&A)**
- | | | |
|-----------|--------------------|--------------------|
| Theme I | Sylvia Kabacik | Joël Heller |
| Theme II | Mohamed Abdelhalim | Holly Walder |
| Theme III | Anna Lindell | Zachary Enlo-Scott |
| Theme IV | Tom James | Gavin Smith |
- 5:25pm 5 mins Sum up of day 1 and Review day 2/3 agenda**
- 5:30pm End of Day 1**

2021 Joint Annual ISAB Meeting 27th-29th Sept

PRESENTATIONS

- Paul Elliott (ICL)** Introduction to the 3 Day Programme
- Simon Bouffler (PHE)** HPRU in Chemical and Radiation Threats and Hazards Overview

Theme I - Adverse outcome pathways and exposure-response relationships for ionising and non-ionising radiation

- Ken Raj (PHE)** Theme I Overview
- Bethan Davies (ICL)** P1 – Nuclear installations and childhood cancer
- Gareth Hazell (PHE)** P4 – Potential effects of sunlight on cardiometabolic health

Theme II – Biomarkers of exposure, effect and susceptibility to chemical and radiation exposures

- Marc Chadeau-Hyam (ICL)** Theme II Overview
- Christophe Badie (PHE)** P1 – Exposure and risk markers in medical uses of IR
- Sonia Dagnino (ICL)** P2 – Biomarkers of exposure to halogenated compounds

Theme III - In vitro testing and integration with epidemiological data

- David Phillips (KCL)** Theme III Overview
- Rebekah Beck (KCL)** P1 – Environmental carcinogen-induced mutational signatures in 3D model systems
- Richard Haylock (PHE)** P2 – Biomarkers and populations studies for medical and occupational radiation protection

Theme IV - Neurotoxins and high toxicity agents

- Tom Welton (ICL)** Theme IV Overview
- Nora Bourbia (PHE)** P1 – Update on the mycotoxin study
- Kelvin Ng (ICL)** P5 - Identification of illegal threat manufacturing activity via wastewater markers (ThreatMark)

2021 Joint Annual ISAB Meeting 27th-29th Sept

POSTER PRESENTATIONS

Theme I - Adverse outcome pathways and exposure-response relationships for ionising and non-ionising radiation

- Sylwia Kabacik (PHE)** P2 - Age as a modulator of ionising radiation-induced cardiovascular disease
- Joel Heller (ICL)** P3 - Mobile phone use and risk of cancer: a UK COSMOS cohort study

Theme II – Biomarkers of exposure, effect and susceptibility to chemical and radiation exposures

- Mohamed Abdelhalim (KCL)** P1 - Exposure and risk markers in vascular operators performing X-ray guided procedures
- Holly Walder (ICL)** P4 - Assessing potential chemical exposures in populations living in new housing developments built on former gasworks sites

Theme III - In vitro testing and integration with epidemiological data

- Anna Lindell (UoC)** P4 - Interaction of environmental pollutants and food contaminants with gut bacteria
- Zachary Enlo-Scott (KCL)** P5 - Predicting the local toxicity and respiratory bioavailability of pesticides inhaled during occupational exposure

Theme IV - Neurotoxins and high toxicity agents

- Thomas James (PHE)** P2 - An evaluation of emergency decontamination methods for novel and emerging, physicochemically diverse chemical threats
- Gavin Smith (ICL)** P4 - Ionic liquids for the clearance of neurotoxins and other highly toxic chemicals from the environment