

2021 Joint Annual ISAB Meeting 27th-29th Sept

Day 2 – NIHR HPRU in Environmental Exposures and Health

- 1:30pm 20 mins** **Welcome and Introduction to the HPRU in EEH** (10 mins Pres/10 mins Q&A)
- 1:50pm 30 mins** **Theme I - Assessment of Population Exposures**
- Emma Marczylo - Overview – 5 mins
 - Ovnair Sepai – 5 mins
 - Christos Halios – 5 mins
 - Q&A – 15 mins
- 2:20pm 30 mins** **Theme II - Air Pollution and Health**
- Helen Crabbe - Overview – 5 mins
 - Rachel B Smith - 5 mins
 - Dylan Wood – 5 mins
 - Q&A – 15 mins
- 2:50pm 15 mins** **Tea/Coffee break**
- 3:05pm 30 mins** **Theme III - Biomarkers of Exposure and Effect**
- Martin Leonard - Overview – 5 mins
 - Ian Mudway – 5 mins
 - Kasia Hawrylowicz – 5 mins
 - Q&A – 15 mins
- 3:35pm 30 mins** **Theme IV - Emerging Environmental Issues and Preparedness**
- Stephanie Wright - Overview – 5 mins
 - Leon Barron – 5 mins
 - Lorna Jones – 5 mins
 - Q&A – 15 mins
- 4:05pm 15 mins** **Joint PCIEP Programme – Diana Varaden** - 5 mins presentation / 10 mins Q&A
- 4:20pm 15 mins** **Tea/Coffee break**
- 4:35pm 15 mins** **Knowledge Mobilisation – Kerry Broom** - 5 mins presentation / 10 mins Q&A
- 4:50pm 30 mins** **Poster Presentations** (8 x 2 mins pre-recorded video plus Q&A)
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| Theme I | Muhammad Saleem Khan | Eve Taylor |
| Theme II | Shanon Lim | Mike Hedges |
| Theme III | Liza Selly | Felix Effah |
| Theme IV | Ovnair Sepai | Miriam Jacobs |
- 5:20pm 5 mins** **Sum up of day 2 and Review day 3 agenda**
- 5:25pm** **End of Day 2**

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PRESENTATIONS

Frank Kelly (ICL) HPRU in Environmental Exposures and Health Overview

Theme I - Assessment of population exposures

Emma Marczylo (PHE) Theme I Overview

Ovnair Sepai (PHE) P1 - Human Biomonitoring - HBM and HSfE

Christos Halios (PHE) P6 - Indoor air pollution

Theme II - Air pollution and health

Helen Crabbe (PHE) Theme II Overview

Rachel B Smith (ICL) P1 - Air pollution and adverse birth outcomes

Dylan Wood (ICL) P2 – Novel exposure estimation for assessing the effects of long-term exposure to outdoor air pollution on cognitive function and dementia in the elderly

Theme III - Biomarkers of exposure and effect

Martin Leonard (PHE) Theme III Overview

Ian Mudway (ICL) P1 - Understanding key molecular events following fibre and combustion particle pollutant exposure

Kasia Hawrylowicz (KCL) P3 - Real world levels PM effects on signalling pathways and disease outcomes

Theme IV - Emerging environmental issues and preparedness

Stephanie Wright (ICL) Theme IV Overview

Leon Barron (ICL) P3 - Drugs of misuse

Lorna Jones (ICL/PHE) P2 – Toxicity of microplastic exposure within the alimentary canal

Diana Varaden (ICL) Joint PCIEP Programme

Kerry Broom (PHE) Knowledge Mobilisation

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POSTER PRESENTATIONS

Theme I - Assessment of population exposures

Muhammad Saleem Khan (ICL) P5 - Lung function, pulmonary exacerbations and fungal disease in people with cystic fibrosis living near registered composting facilities in the United Kingdom

Eve Taylor (KCL) P2 - Investigation into levels of biomarkers of exposure and potential harm among people with mental health conditions who use e-cigarettes

Theme II - Air pollution and health

Shanon Lim (ICL) P4 - Identifying and evaluating interventions to reduce black carbon exposure for professional drivers

Michael Hedges (ICL) P4 - Concentrations and health effects of particulate matter on the London Underground

Theme III - Biomarkers of exposure and effect

Liza Selley (UoC) P2 - Proteomic exploration of mechanisms of toxicity induced by brake abrasion dust exposure in macrophages

Felix Effah (PHE) P4 - Toxicological screening of electronic cigarette flavourings in human airway epithelial cells

Theme IV - Emerging environmental issues and preparedness

Ovnair Sepai (PHE) P1 - Human health impacts from exposures to PFAS; Mind map

Miriam Jacobs (PHE) New Project - Further validation and augmentation of a proposed OECD cytochrome P450 induction test guideline method to be utilised in integrated approaches for testing and assessment of chemical hazards