

## NIHR HPRU Environmental Exposure and Health

### Oral Presentations

#### AGENDA

Day 2 – 17<sup>th</sup> November 2022

9:40 – 10:00 Welcome and Introduction Frank Kelly

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10:00 – 13:00 – Session Chair – Professor Frank Kelly

**Theme I**      **Assessment of Population Hazards**

10:00 – 10:05 Overview Ben Barratt

10:05 – 10:15 Vaping and smoking biomarkers among people with  
mental health conditions Eve Taylor

10:15 – 10:25 Chemicals in European Residences - emissions, concentrations  
and health effects of Volatile and Semi Volatile Organic Compounds Alice Middleton

10:25 – 10:35 Bioaerosols Emma-J Goode

10:35 – 10:55 Discussion

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11:00 - 11:30 Coffee Break

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**Theme II**      **Air Pollution and Health**

11:30 – 11:35 Overview Helen Crabbe

11:35 – 11:45 PM2.5 Exposure on the London Underground David Green

11:45 – 11:55 Novel exposure estimation for assessing the effects of long-term  
air pollution exposure on cognition in the elderly of England Dylan Wood

11:55 - 12:05 Air pollution and term low birth weight: an updated systematic  
review and meta-analysis Rachel B Smith

12:05 – 12:25 Discussion

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**12:30 – 12:25 TRAINING PROGRAMME**

**13:00 - 14:00 Lunch/Posters**

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**14:00 – 17:30 – Session Chair – Professor Tim Gant**

**Theme III**      **Biomarkers of Exposure and Effect**

14:00 – 14:05	Overview	Martin Leonard
14:05 – 14:15	In vitro high throughput toxicological assessment of electronic cigarettes flavours in human bronchial epithelial cells	<a href="#">Felix Effah</a>
14:15 – 14:25	Validation of an Aerosol-Exposure Air-Liquid-Interface (AE-ALI) system to facilitate more realistic hazard identification of airborne contaminants in human relevant culture models	Chang Guo
14:35 – 15:00	Discussion	

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**5 Minute Presentations**

15:00 – 15:10	<b>Theme I</b> - Evaluating health outcomes from air pollution in 100 West London homes	Adam Skillern
15:10 – 15:20	<b>Theme II</b> -The Adverse Health Effects of PM2.5 on the London Underground	Justie Mak
15:20 – 15:30	<b>Theme III</b> - Exposure models of nitrogen dioxide and particulate matter to assess mechanistic toxicology using advanced alveolar systems	Joshua Bateman
15:30 – 15:40	<b>Theme IV</b> - Microplastic Fibre Fabrication of Toxicity Studies	Eric Auyang

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**15:45 - 16:15 Coffee Break**

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**Theme IV**      **Emerging Environmental Issues and Preparedness**

16:15 – 16:20	Overview	Steph Wright
16:20 – 16:30	PFAS – A UK issue! Our current understanding	Ovnair Sepai
16:30 – 16:40	Health impacts from living near biomass electricity generator installations	Brandon Parkes
16:40 – 16:50	Understanding exposures from waste fires	Alessia Freddo
16:50 – 17:15	Discussion	

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**17:15 – 17:30 Day 2 Summary and Close**

**Tim Gant**