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**Training Programme Annual Meeting

Wednesday 04 December 2019**

**12:30 to 17:00**

**King’s College London, Waterloo campus**

Room G73 Franklin-Wilkins Building

Posters and Refreshments: Room 1.11

12:30 – 13:15*Buffet lunch - Room 1.11*

 **Presentations – Room G.73**

13:15 – 13:30 *Welcome and introduction to the MRC Centre Training Programme*

**Dr Fred Piel**, MRC Centre Training Programme Coordinator

13:30 – 13:45 *Researchers’ Society – overview of planned activities*

**Ms Aina Roca-Barceló**, EBS-ICL
**Ms Annalisa Sheehan**, ERG-KCL

*Session 1: Chaired by Annalisa Sheehan and Oliver Robinson*

13:45 – 14:00 *Is deprivation explaining life expectancy differences? A study on local authorities in England*

**Areti Boulieri**, EBS-ICL (early-career fellow)

14:00 – 14:15 *Mendelian Randomisation Study on Causality Between Attention Deficit Hyperactivity Disorder and Obesity-Related Traits*

**Ville Karhunen**, EBS-ICL (early-career fellow)

14:15 – 14:30 *Identification of illegal threat manufacturing activity via wastewater markers, ThreatMARK*

**Kelvin Ng**, ERG-KCL (early-career fellow)

14:30 – 15:30 **Poster session – Room 1.11**

 Tea and coffee break

 **Presentations (cont.) – Room G.73**

15:30 – 16:00 *MRC fellowships – what we offer and how to be successful*

Invited speaker – **Dr** **Barbara Haenzi,** Programme manager, MRC, UKRI

### *Session 2: Chaired by Aina Roca-Barceló and Stephanie Wright*

16:00 – 16:15 *A joint Bayesian space-time model to integrate spatially misaligned air pollution data in R-INLA*

**Chiara Forlani**, EBS-ICL (PhD student)

16:15 – 16:30 *Airborne microplastics: A class of emerging airborne particulates*

 **Joseph Levermore**, ERG-KCL (PhD student)

16:30 – 16:45 *Studies on agricultural exposure and respiratory health*

**Jate Ratanachina**, NHLI-ICL (PhD student)

16:45 – 17:00 *Closing remarks and prize announcements*

 **Prof. Paul Elliott and Prof. Frank Kelly**
MRC Centre Director and Deputy Director

17:00 – 17:30 Tea and coffee break - Room 1.11

17:30 – Researchers’ Society Christmas Gala

**Poster Presentations**

1. Measuring and modelling noise pollution in Accra, Ghana – **Sierra Clark, Department of Epidemiology and Biostatistics, Imperial College London**
2. A novel approach to quantify non-road mobile machinery emissions from London – **Carl Desouza, Environmental Research Group, King’s College London**
3. Investigating the aryl hydrocarbon receptor as the molecular pivot regulating inflammatory responses to air pollution – **Drew Glencross, Environmental Research Group, King’s College London**
4. Chronic Kidney Disease of undetermined cause (CKDu), an emerging disease in developing nations: a Malawian geographical study with focus on potable water sources – **Sophie Hamilton, Department of Epidemiology and Biostatistics, Imperial College London**
5. Solving the impact of sample matrix on trace explosives detection: a Lego®-inspired approach to sample preparation – **Rachel Irlam, Environmental Research Group, King’s College London, King’s College London**
6. Change in population mean body-mass index accounts for the majority of worldwide decline in underweight and increase in obesity – **Nia Iurilli, Department of Epidemiology and Biostatistics, Imperial College London**
7. MRI-predicted brain ageing associates with cardiometabolic and brain disorders; a deep learning approach – **Arinbjörn Kolbeinsson, Department of Epidemiology and Biostatistics, Imperial College London**
8. Professional Drivers Exposure to Black Carbon in London, The Diesel Exposure Mitigation Study (DEMiSt) **– Shanon Lim, Environmental Research Group, King’s College London**
9. The effect of distance from specialist health centre on disease severity in cystic fibrosis in the UK **– Olivia Murrin, Department of Epidemiology and Biostatistics, Imperial College London**
10. Investigating associations between air pollution and the severity of cystic fibrosis in Great Britain – **Muhammad Saleem Khan, Department of Epidemiology and Biostatistics, Imperial College London**
11. Geospatial estimation of Non-Exhaust Emissions using remote earth observation – **Annalisa Sheehan, Environmental Research Group, King’s College London**
12. Spatiotemporal air pollution models for national-scale health analysis – **Weiyi Wang, Department of Epidemiology and Biostatistics, Imperial College London**
13. Novel exposure estimation for assessing the effects oflong-term exposure to pollutants in cohort studies – **Dylan Wood, Environmental Research Group, King’s College London**
14. The effectiveness of residential fuel switching policy on household energy use and behaviour change in rural Beijing – **Bingling Zhou, Environmental Research Group, King’s College London**