4th UK & Ireland Exposure Science Meeting
20 April 2016
Health and Safety Laboratory

Programme

09:00-09.30 Registration / Refreshments
09.30-09.35 Welcome
09.35-09.45 Welcome to the Health & Safety Laboratory
   Prof Andrew Curran, Health & Safety Executive

Plenary Session 1 (Chair: Dr Jackie Morton, HSL)

09.45-10.30 Keynote Lecture 1
   Prof. David Polya (University of Manchester)
   Contrasting exposure routes for arsenic (drinking water, food, soil, dust) and implications for public health and regulation

10.30-10.45 1a. Tony Riddell (Public Health England)
   Developing a Job-Exposure Matrix for Historical Exposure to Plutonium in the UK Sellafield Workforce

10.45-11.00 1b. Elizabeth Leese (HSL)
   Exhaled breath condensate: a new biological matrix to measure and detect trivalent and hexavalent chromium by µLC-ICP-MS in occupational exposed workers

11.00-11.15 1c. David Berk (University of Manchester)
   A survival analysis of vibration-related occupational disease and implications for evaluating interventions

11.15-12.00 Refreshments and Poster Viewing
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker &amp; Institution</th>
<th>Topic</th>
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<tr>
<td>12.00-12.15</td>
<td>2a. Karen Galea (IOM)</td>
<td>Urinary biomarker concentrations of captan, chlormequat, chlorpyrifos and cypermethrin in UK adults and children living near agricultural land</td>
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<td>12.15-12.30</td>
<td>2b. Diana Silva (Kings College London)</td>
<td>Personalise Air Quality Data Gathered Through Community-Based Projects as a Tool For Communicating Air Pollution As a Public Health Risk. Community Based Participatory Research</td>
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<td>12.30-12.45</td>
<td>2c. Lindsay Bramwell (Newcastle University)</td>
<td>Newcastle Allotments Lead Biomonitoring Study</td>
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<td>12.45-13.00</td>
<td>2d. Philippa Douglas (Imperial College London)</td>
<td>Predicting Aspergillus fumigatus exposure from composting facilities using a dispersion model: A conditional calibration and validation</td>
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<td>13.00-14.00</td>
<td>Lunch</td>
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<td>14.00-14.15</td>
<td>3a. Lia Chatzidiakou (Centre for Atmospheric Science, Cambridge, UK)</td>
<td>Characterising Personal Activity Patterns Using Environmental Sensor Technology</td>
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<td>14.15-14.30</td>
<td>3b. Artemis Doutsi (Kings College London)</td>
<td>Acceptability and usability of novel technologies to assess environmental exposure during pregnancy</td>
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<td>14.30-14.45</td>
<td>3c. Stephen Lowe (University of Reading)</td>
<td>PCB bioaccessibility in contaminated soils- assessment using the FOREhST method</td>
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<td>14.45-15:15</td>
<td>Refreshments &amp; Poster Viewing</td>
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Plenary Session 4  
(Chair: Dr Susan Hodgson, Imperial College London)

15.15-15.30  
4a. John Gulliver (Imperial College London)  
Back-extrapolated and year-specific NO₂ land use regression models for Great Britain - do they yield different exposure assessment?

15.30-15.45  
4b. Tasila Mwale (University of Salford)  
Analysis of toxic and essential elements in raw and cooked Sri Lankan, Myanmar and Nigerian rice

15.45-16.00  
4c. Jennifer Le Blond (Imperial College London)  
Environmental factors contributing to chronic kidney disease in Nicaragua

16.00-16.45  Keynote Lecture 2

Dr Ovnair Sepai (Public Health England)  
Human Biomonitoring: A Tool in Public Health England's Armoury

Concluding Session

16:45-16:55  5th UK & Ireland Exposure Science Meeting 2017

16:55-17:00  Prize Giving

17:00  Close

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