

# EAP 2017 – The Theory of Everything

## Friday 12<sup>th</sup> May 2017

- 16:00 Registration Opens
- 18:30 Drinks Reception and Entertainment
- 19:15 Evening Buffet Meal
- 20.00 Evening Entertainment

## Saturday 13<sup>th</sup> May

### Session A

Session Chair – Laura West

- 09:00 **Welcome and Opening Remarks**
- 09:10 **Invited Speaker - Made to be Measured: The Revolutions in Analytical Science for the Real-Time Analysis of the Human Body**  
Dr Anthony Bristow, *AstraZeneca*
- 09.40 **Bright Spark 1 - Boron Doped Diamond Electrodes for Electroanalytical Applications**  
Sam Cobb, *University of Warwick*
- 10:00 **Invited Speaker - The Earth, its Minerals and the Places Beyond: Chemical Analysis at the Natural History Museum, London**  
Dr Stanislav Strekopytov, *Natural History Museum*
- 10.30 **Poster Pitch Session 1**
- 10:40 **COFFEE BREAK AND POSTER SESSION**

### Session B

Session Chair – Harriet Walachowski

- 11.20 **Back to Basics - Detecting Photons: Spectroscopy Explained**  
Alastair Davy, *University of Strathclyde*
- 11:40 **Bright Spark 2 - RNA Nanoprobes for Cancer Biomarker Detection**  
Gillian Craig, *University of Strathclyde*
- 12.00 **Invited Speaker - Environmental Sensing on Erebus Volcano in Antarctica**  
Professor Clive Oppenheimer, *University of Cambridge*
- 12:30 **Bright Spark 3 - The Theory of 1/5th of Everything: Elemental Impurity Limit Tests Under ICH Q3D Guidelines**  
David Ramsay, *LGC*
- 12.50 **Poster Pitch Session 2**
- 13:00 **LUNCH**
- 14:00 **Session C Continuing Professional Development Workshops**

### **RSC Outreach**

Dayna Mason, *Royal Society of Chemistry*

### **CV Clinic**

VRS

- 16.00 **COFFEE BREAK AND POSTER SESSION**

### Session D

Session Chair – Zoe Ayres

- 16:20 **Keynote Speaker - Molecule to Medicine - Analytical Challenges and Opportunities**  
Dr Melissa Hanna-Brown, *Pfizer*
- 17:00 **Closing announcements followed by free time**
- 19.30 **Drinks reception with “Space” fancy dress – Prizes for the best costumes!**
- 20.15 **Dinner (3 course meal) followed by disco**

**Sunday 14<sup>th</sup> May**

**Session E**

Session Chair – Arun Kamath

- 10:00 **JPAG GP Award Winner: Analysis of Novel Psychoactive Substance (NPS)/illicit Drug Mixtures by NMR and LC/MS/MS**  
Husain Naqi, *University of Bath*
- 10:20 **Invited Speaker - How Does Anyone Really Know What the Temperature Is?**  
Dr Michael De Podesta, *National Physical Laboratory*
- 10:50 **Bright Spark 4 - The Development of a Robust Assay for a New Drug Using LC-MS/MS,**  
Natalie Corden, *LGC*

11:10 **COFFEE BREAK AND POSTER SESSION**

**Session F**

Session Chair – Kelly Westmacott

- 11:30 **Invited Speaker - Making Waves in Biomedical Optics**  
Dr Sarah Bohndiek, *Cancer Research UK, Cambridge Institute*
- 12:00 **Bright Spark 5 - Quantitative Visualisation of Molecular Delivery and Uptake at Living Cells with Scanning Probe Microscopy**  
Ashley Page, *University of Warwick*
- 12:20 **Back to Basics - Particles and Powders: What's a Materials Scientist Doing in a Pharmaceutical Lab?**  
Dr Rebecca McVicker, *GlaxoSmithKline*
- 12:40 **Invited Speaker - Deposition of Electroactive Films for Visualization of Latent Fingerprints**  
Professor Robert Hillman, *University of Leicester*

13:10 **LUNCH**

**Session G**

Session Chair – Alastair Davy

- 13:55 **Invited Speaker: Rise of the Machines - The Changing Face of Bio-Analytical Chemistry**  
Dr Michael Wright, *LGC*
- 14:25 **Back to Basics - The Chemistry of Colour - Getting to Grips with Chromatography**  
Jack Rice, *University of Bath*
- 14:45 **Bright Spark 6 - Detection of Citric Acid as a Pharmaceutical Co-Crystal**  
Emma Norgate, *University of Manchester/Eurofins Professional Scientific*

15:05 **COFFEE BREAK**

**Session G**

Session Chair – Jack Rice

- 15:20 **Bright Spark 7 - Chiral and Stable Isotope Analysis in Forensic Investigation**  
Sherlock Tai, *University of Glasgow*
- 15:40 **Keynote Speaker – Sex, Drugs and Water Quality**  
Dr Rachel Gomes, *University of Nottingham*
- 16:20 **Closing Remarks and Prizes**