

1st UK-US Conference on Chemical and Biological Sensors and Detectors

Contributed Poster Presentations

- P01 Partial areas under the ROC and ROCspe curves for evaluating the performance of the IgE specific diagnosing methods**
Eva-Maria Ojasalu*
Institute Statistics, Estonia
- P02 Glyconanoparticles for the colorimetric detection of toxins**
Claire L Schofield*, Robert A Field and David A Russell
University of East Anglia, UK
- P03 An assessment of colorimetric assays using glycoprotein-coated nanoparticles for the detection of drugs of abuse**
Sinéad M Hardy*, David A Russell, Jane Roberts and Phil Teale
University of East Anglia, UK
- P04 Portable sensors systems**
Omer Katzenelson*, Todd E Mlsna, Sanjay V Patel, Manna L Warburton, Sabina Cemalovic, Jon Lucas, Venko Gychoy, and Stephen T Hobson
Seacoast Science Inc, USA
- P05 Controlled fusion of femtoliter-volume aqueous droplets using holographic optical tweezers**
D McGloin*, J Buchanan, D R Burnham, Robert M Lorenz, J Scott Edgar, Gavin D M Jeffries, Yiqiong Zhao and Daniel T Chiu
University of St Andrews, UK
- P06 Beenose - an insect biosensor for vapour detection**
M Briens*, D Grant and P Joyce
Inscentinel Ltd, UK
- P07 Determination of digoxin in serum samples by flow-through fluorosensor using molecular imprinted polymer**
Gema Paniagua González*, Pilar Fernández Hernando and J S Durand Alegría
Universidad Nacional de Educación a Distancia (UNED), Spain
- P08 Multiplexed DNA analysis using a novel encoded microparticle suspension array**
Graham Broder*, Rohan T Ranasinghe, Gabriel Cavalli, Joseph She, Sam Birtwell, Shahanara Banu, Gerasim Galitonov, Nikolay Zheludev, Hywel Morgan, Cameron Neylon and Peter L Roach
University of Southampton, UK
- P09 Fibre optic system for detection of uranyl ions in the solution phase**
Neil W Hayes*, Clare J Tremlett, Andrew M Shaw Patricia J Melfi and Jonathon D Sessler
EvanesCo Ltd, UK

- P10 Towards the use of plants as sensors for toxic industrial chemicals and munitions**
Michael K Deyholos*, Derek Rogge and Benoit Rivard
University of Alberta, Canada
- P11 Compliant microfluidic control structures for transport of particles and biological cells**
I D Johnston*, M C Tracey, C K L Tan and J B Davis
University of Hertfordshire, UK
- P12 Stochastic analyte detection with *alpha*-hemolysin**
Orit Braha*
Oxford University, UK
- P13 Rapid breath analysis for chemical agent exposure**
Rebecca L Cordell *, Kerry A Willis, Kevin P Wyche, Andrew M Ellis and Paul S Monks
University of Leicester, UK
- P14 Biosensors, the mobile lab of the future?**
P Teale, J Roberts, S Scrimshaw, S Mayoss* and D Purvis
HFL Ltd, UK
- P15 Development of low-cost multi-channel aerosol fluorescence sensors**
Virginia E Foot, Stephen J Barrington, Andy Pickering and Paul H Kaye*
University of Hertfordshire, UK
- P16 Rapid assembly of filovirus antigen detection assays at biosafety level four**
Laura Sherwood, Lisa Osborn, Ricardo Carrion, Jean Patterson and Andrew Hayhurst*
Southwest Foundation for Biomedical Research, USA
- P17 Using an array of ion mobility spectrometers for real-time ground truth concentration measurements in the field**
Charles S Harden*, Robert J Schafer and Erin L Maloney, Vincent M McHugh, Gretchen E Blethen and Brian S Ince
SAIC, USA
- P18 Genetically encoded optical probes to visualize the protein conformational changes in living cells**
Muhammad Awais* and Takeaki Ozawa
Institute for Molecular Science, Japan
- P19 Decontamination of large transit facilities subjected to chemical warfare agent attack-science needs for accurate detection**
Carolyn J Koester, Adam H Love, Armando Alcaraz, Ellen Raber and John G Reynolds*
Lawrence Livermore National Laboratory, USA
- P20 Sculpting SERS surfaces for near-IR Raman of biomolecules**
P N Bartlett, A Bendall, T Brown, S Mahajan, J Richardson and A E Russell*
University of Southampton, UK

P21 Recombinant glutathione S-transferase for the optoelectronic determination of the herbicide alachlor

Maria Fragoulaki, Nikolaos Labrou and Yannis Clonis*
Agricultural University of Athens, Greece

P22 Luminescent molecularly imprinted polymer-based sensor for recognition of neurotoxic organophosphates

Lucie Malosse*, Pierrick Buvat, Dominique Adès and Alain Siove
Université Paris Nord, France

* **Denotes presenting author to whom affiliation applies**