Parallel sessions

**Tuesday, March 17, 2015**

14.15 – 16.00 Medical Countermeasures (part 3)

- **R. Hammamieh, US Army Center For Environmental Health Research, USA**
  “Temporal Progression of Pneumonic Plague in Blood of Nonhuman Primate: A Transcriptomic Analysis”
- **M. Joosen, TNO Department CBRN Protection, The Netherlands**
  “The impact of skin decontamination on the time for effective treatment of low volatile nerve agents”
- **F. Dhote, Armed Forces Biomedical Research Institute, France**
  “Efficacy of HI6 dimethanesulfonate (combined with atropine and avizafone) by the intramuscular route, in VR-intoxicated cynomolgus monkeys”
- **L. Wegner, Bavarian Nordic A/S, Denmark**
  “From Smallpox to Ebola: Utilizing the MVA-BN® Vaccine Platform to Address National Security and Public Health Threats”
- **X. Brazzolotto, Armed Forces Biomedical Research Institute, France**
  “Biochemical and Structural Study of a Self-Reactivating Butyrycholinesterase after V-type Nerve Agent Inhibition”
- **R. Baati, Strasbourg University, ICPEES, France**
  “Discovery of a new class of tetrahydroacridine hybrid reactivators of nerve agent-inhibited human acetylcholinesterase”
- **S. Simon, CEA, France**
  “Neutralizing Antibodies Against Ricin Toxin and Mechanism of Action”

16.00 – 16.30 Coffee break

16.30 – 18.00 Medical Countermeasures (part 4)

- **A.G. Calas, Armed Forces Biomedical Research Institute, France**
  “In vivo efficacy assessment of two uncharged reactivators of VX-inhibited acetylcholinesterase in Mouse compared to two reference oximes: HI-6 and pralidoxime”
- **K. Kuca, Faculty of Military Health Sciences University of Defence, Czech Republic**
  “Modified bisquaternary monooximes were found to be effective reactivators of human AChE inhibited by organophosphates”
- **J. Bzdrenga, Aix-Marseille University, France**
  “Study and development of a bacterial virulence inhibitor by quorum quenching”
- **T. Wille, Task Force Medical Chemical Defence of the Bundeswehr, Bundeswehr Institute of Pharmacology and Toxicology, Germany**
  “Concept to support medical service, deployed troops and political and military decision makers in case of a chemical agent attack with medical expertise”
- **S. Mikhalovsky, Brighton University, UK**
  “Medical Adsorbents for Protection against CBRN Accidents”
Wednesday, March 18, 2015

08.00 – 10.15 Protection & Decontamination

- M. Watanabe, Research Center of Supercritical Fluid Technology, Tohoku University, Japan
  “Alkali metal (including Cs) separation by chelating method in supercritical CO2 and adsorption on charcoal”
- S. Grivès, IRSN, France
  “Evaluation of the efficacy and cutaneous toxicity of a calixarene topical formulation for the treatment of superficial wounds contaminated by uranium”
- J. Voigt, Bundeswehr Research Institute for Protective Technologies and NBC Protection, Germany
  “Solar light-activated photocatalysts and functionalized textiles for self-decontaminating individual protection against toxic agents”
- T. Kadar, Institute for Biological Research, Israel
  “Dermostyx (IB1) – High efficacy topical skin protectant against percutaneous toxic agents”
- I. Shortman, Defence Science and Technology Laboratory (Dstl), UK
  “Development of improved test methods to evaluate CWA contact hazards and personal decontamination efficacy”
- J. Larner, Research Centre for Topical Drug Delivery and Toxicology, UK
  “Use of LC-MS urinalysis to measure systemic exposure to methyl salicylate CW simulant in a human volunteer decontamination trial”
- S. Shetage, Research Centre for Topical Drug Delivery and Toxicology, UK
  “HPLC-APCI-MS profiling of residual skin surface components: ‘Sebomics’”
- A. Salerno, University of Lyon 1, Laboratory of automatic control and process engineering, France
  “In Vitro Skin Decontamination of the Organophosphorus Pesticide Paraoxon with Nanometric Cerium Oxide CeO2”
- D. Daudé, Gene&GreenTech, France
  “Engineering hyperthermostable enzymes for external decontamination of organophosphate chemicals”

10.30 – 13.00 Detection (part 3)

- S. Delannoy, ANSES, France
  “Use of whole genome sequencing and High throughput qPCR for identification of pertinent genetic markers associated with enterohemorrhagic E. coli: an interesting approach to improve tracking and tracing of accidental and deliberate contamination of food and water samples with EHECs”
- M. Ansaldi, Laboratoire de Chimie Bactérienne CNRS-Aix Marseille University, France
  “Phage-based fluorescent biosensors to specifically detect enterobacteria in water”
- K. Helmi, Veolia, France
  “Microbiological monitoring of drinking water production process using flow cytometry: a reliable tool for active management”
- T. Bernard, Fraunhofer IOSB, Germany
  “SAFEWATER - Innovative tools for the detection and mitigation of CBRN related contamination events of drinking water”
• R. DenBulk, CEA, France
  “FlowPad, a generic microfluidics platform for automated sample preparation and qPCR detection”
• F. Becher, CEA, France
  “Multiplex absolute quantification of microbial and plant toxins in complex matrices using high resolution targeted mass spectrometry and isotopically labeled protein standards”
• J-M. Elalouf, CEA, France
  “Extraction of trace amounts of degraded DNA for high-throughput sequencing and reconstruction of complete genomes”
• C. Feraudet Tarisse, CEA, France
  “Detection of Clostridial epsilon toxin in biological matrices by immunoassay and immunochromatography”
• E. Schultz, CEA, France
  “Rapid label-free identification of bacterial pathogens with optical elastic scattering”
• S. Jerome, National Physical Laboratory, United Kingdom
  “Retaining a global resource of Plutonium-244”

12.45 – 14.00 Lunch – Poster session & poster prize

14.00 – 16.30 Detection (part 4)

• J. Vanhomwegen, Institut Pasteur, France
  “Rapid diagnostic tools for point-of-care testing of Ebola virus disease”
• G. Girault, ANSES, France
  “Using whole genome SNP discovery to genotype Anthrax”
• J-C. Baritaux, CEA, France
  “An experimental study of monitoring single bacteria in non-ideal conditions using Raman spectroscopy”
• A. Carella, CEA, France
  “Colorimetric papers sensitive to Sarin in the gas phase”
• A. Alvarez, CIEMAT, Spain
  “Spanish collaboration for improving solutions against CBRN threat”
• R. Araoz, CNRS, Laboratoire de Neurobiologie et Développement, France
  “Bioassays development for detecting fast acting neurotoxins targeting nicotinic acetylcholine receptors”
• P. Armand, CEA, France
  “CERES® CBRN-E – A fast response modelling and decision-support system to face CBRN-E threats”
• S. Procureur, CEA, France
  “Muon tomography for homeland security with multiplexed Micromegas detectors”
• K. Boudergui, CEA, France
  “Plastic scintillator based technic to provide Helium 3 free neutron detectors for Radiation Portal Monitor application”
• J-P. Monet, SDIS13, France
  “Can robots enhance crisis management? Cases Study of UGVs and UAVs use for civil protection emergencies”