



Fifth Annual Botulinum Research Symposium

Final Program

Thursday, August 18, 2011

- 1- 4 PM Arrival and check-in at hotels
- 4- 5 PM Registration and Welcome, UMass Campus, **Outside the BRC Building,**
Parking Lot 15
- 5:00 PM Social and BBQ dinner, UMass Campus, **Outside the BRC Building**
- Welcome remarks - **Emmanuel Ojadi**, Department of Chemistry and
 Biochemistry, UMass Dartmouth
- 6:45 PM Travel to Woodland Commons Conference area
- 7:00 PM Welcome to delegates – **William Hogan**, Dean of Arts and Sciences
- 7:05 PM Lab Concert and skit – Koyel Ghosal, others, Woodland Commons, Parking
 Lot 10
- Session I Session Chair** – Michael Adler, US Army Medical Institute of Chemical
 Defense
- 7:45 PM **Speech:** *Business and Science of Botulinum Neurotoxins.*
 Andy Pickett, Toxin Science Ltd., Wrexam, UK
- 8:45 PM Q&A



Friday, August 19, 2011: Woodland Commons Conference Area

8:00 AM Continental breakfast

8:45 AM *Introduction and Welcome*, Bal Ram Singh, UMass Dartmouth

Session II **Session Chair** – Klaus Fink, MERZ, Germany

9:00 AM Morning Plenary Speech – *Targeted Secretion Inhibitors (TSI): Novel Biologics Delivering Botulinum Endopeptidase with Clinical Benefit*
Dr. Keith Foster, Syntaxin Ltd, UK

9:45 AM *BoNT L Chain Integration in Membrane and trafficking*, **Harkiranpreet Kaur Dhaliwal and Bal Ram Singh**, BRC, UMass Dartmouth

10:10 AM **Coffee/Tea break**

Session III **Session Chair** – Keith Foster, Syntaxin Ltd., UK

10:40 AM *Molecular Therapeutics to Treat Botulinum Intoxication*, **Radharaman Ray**, Devon Andres, Prabhati Ray, Peng Zhang, Bal Ram Singh, Michael Adler
US Army Medical Research Institute of Chemical Defense, APG, MD

11:05AM *Re-engineering of Clostridial toxins for therapeutic delivery*, **George Oyler**, Synaptic Research, MD

11:30 AM *Protein segments Involved in pH-induced Membrane Channel Formation of BoNT/A*
Nagarajan Thirunavukkarasu, BRC, University of Massachusetts
Dartmouth

11:55 Travel to BRC quad



- 12:00 PM Group Photo and Tour of Center facilities
- 12:30 PM **Lunch, BRC Quad**
- 1:15 PM Poster session, **BRC Bridge**
- Session IV Session Chair – Venkat Kodumudi, BioRadix Solutions, Austin, TX**
- 2:45 PM Afternoon Plenary Speech *Exploring genomic diversity in Clostridium botulinum using DNA microarrays*, **Brian Raphael**, Centers for Disease Control, Atlanta, GA
- 3:30 PM *Enhancement of Muscle Tension by 3,4-Diaminopyridine and Roscovitine in BoNT/A-Paralyzed Mouse Phrenic Nerve Hemidiaphragm Preparations* - **Michael Adler**, US Army Medical Research Institute of Chemical Defense, APG, MD
- 3:55 PM **Coffee/Tea break**
- Session V Session Chair – Radharaman Ray, US Army Medical Research Institute of Chemical Defense, APG, MD**
- 4:15 PM *Apta-sensor for Rapid Detection of Deactivated Recombinant Botulinum Neurotoxin type A*, **Pavithra Janardhanan**, BRC, University of Massachusetts Dartmouth
- 4:40 PM *Multiplex assays for botulinum neurotoxins*, **Venkat Kodumudi**, BioRadix Solutions, Austin, TX
- 5:05PM *Session for Program Officers and Regulatory Personnel* - **David Hodge**, DHS; **Amanda Horstman**, DTRA



Friday, August 19, 2011, Evening Program: Woodland Commons

5:30 PM Social

6:00 PM Dinner

Session VI Session Chair – Andy Pickett, Toxin Science Ltd., UK

7:00 PM **Symposium Banquet Speech – *Botulinum Toxin: The Amazing Spectrum of its Therapeutic Applications*, Dr. Dirk Dressler, Hannover Medical School, Germany**