



11th Annual Botulinum Research Symposium, 2017

Tentative Program

Wednesday, August 16, 2017

- 1- 4 PM Arrival and check-in at hotels of general delegates
- 4:00-5:00 PM Registration and Welcome, **Wamsutta Club**, 427 County Street
New Bedford, MA
- 5:00 PM Social and dinner
- 7:00 PM Welcome to the evening program
- Session I Session Chair – Michel Popoff**, Institute Pasteur, Paris, France
- 7:05 PM **Dr. B.R. DasGupta Memorial Lecture –Dr. Andrew C. Doxey**, University
of Waterloo, Canada; Topic: *"Bioinformatic discovery of botulinum-like toxins in non
Clostridial species"*
- 7:50 PM Q&A

Thursday, August 17, 2017, Wamsutta Club, First Floor Conference Room

8:00 AM Registration and Continental breakfast,

8:30 AM *Introduction*, Bal Ram Singh, Botulinum Research Center

Session II **Session Chair – Terry Bowlin**, Microbiotix, Inc.

9:00 AM **Symposium Speech – Dr. Michael Adler**, US Army Medical Research Institute of Chemical Defense; Tentative Topic: *Botulism Countermeasures*

9:45 AM *Role of Natural Products Based Heterocyclic Compounds as Antimicrobials, in Particular against Botulinum*, **Virinder Parmar**, Institute of Advanced Sciences, Dartmouth, MA; Formerly Delhi University

10:15 AM **Coffee/Tea break**

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

10:45 AM *Mass Spectrometric Detection and Differentiation of BoNT from a Recent Case Study*, **Suzanne R. Kalb** et al., Centers of Disease Control, Atlanta, GA.

11:15 Noon *Title TBA*, **Andy Pickett.**, Toxin Science, Wrexam, UK.

11:45 PM **Group Photo**

12:00 PM **Travel to Institute of Advanced Sciences, Fall River Facility, by Bus**

12:30 PM Lunch

Session IV **Session Chair – Shuowei Cai**, Department of Chemistry and Biochemistry, UMass Dartmouth

1:15 PM **Poster session**, Institute of Advanced Sciences, Fall River Facility

2:45 PM Travel back to Wamsutta Club

Session V **Session Chair – Shashi Kant Sharma**, Center for Food Safety and Applied Nutrition, Food and Drug Administration, USA.

3:15 PM *Characterization of Hemagglutinin Negative Botulinum Progenitor Toxins*, **John Barr**, Centers for Disease Control, Atlanta, GA

3:45 PM *Differential entry of botulinum neurotoxin into neuronal cells versus intestinal epithelial*, **Michel Popoff**, Institute Pasteur, Paris, France

4:15 PM *Paracellular vs. transcellular intestinal absorption of botulinum neurotoxins*, **Raj Kumar**, Botulinum Research Center, Institute of Advanced Sciences, Dartmouth, MA

4:45 PM **Break**

Thursday, August 17, 2017, Evening Program: Wamsutta Club

6:00 PM Social

6:30 PM Lab Concert – Koyel Ghosal, John Bogdan, Rishi Singh, Neeraj Ramsamooj

7:15 PM Dinner

Session VI **Session Chair – Keith Foster**, IPSEN, UK

8:15 PM **Evening Dinner Presentation – Unmet needs for Neurotoxin use in the lower urinary tract**, **Dr. Roger Dmochowski**, Vanderbilt University Medical Center, Nashville, TN, USA

8:45 PM Comments and Q&A

Friday, August 18, 2017, Wamsutta Club, First Floor

8:00 AM – Breakfast

8:00 AM **BRC Board** of Advisors meeting

Session VII **Session Chair – John Barr**, Centers for Disease Control, Atlanta, GA

9:15 AM *botulinum neurotoxin B receptors: from basic science to protein engineering*, **Min Dong.**, Harvard Medical School, Boston, MA, USA

9:45 AM *Closed Genome of Chryseobacterium piperi and Identification and Analysis of Neurotoxin-Like Gene Clusters*, **Trevis Wentz**, Center for Food Safety and Applied Nutrition, Food and Drug Administration, USA.

10:15 AM *Peptide-based activity and entry inhibitors of bacterial toxins*, **John Bogdan**, Valaria Technical Consultants. LLC

10:45 AM **Coffee/Tea break**

Session VIII **Session Chair – Kodumudi Venkateswaran**, Omni Array Biotechnology,
Rockville, MD

11:00 AM *TBA*, **Andy Pickett**, Toxin Science Ltd., Wrexham, UK

11:30AM **Panel Discussion: *Evolution of Toxins***
Andrew Doxey, University of Waterloo
Min Dong, Harvard Medical School
Keith Foster, IPSEN, UK
Suzanne Kalb, CDC
Raj Kumar, Institute of Advanced Sciences

12:30 PM Symposium conclusion, lunch, networking, departure