



12th Annual Botulinum Research Symposium, 2018

Tentative Program

Wednesday, August 15, 2018

- 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
- 6:00 PM Lab Concert – Alice Wang, Andrew Zhu, Rishi Singh, Neeraj Ramsamooj
- 7:00 PM Welcome to the evening program
- Session I Session Chair – Andy Pickett**, Toxin Science Ltd., Wrexham, UK
- 7:05 PM **Dr. B.R. DasGupta Memorial Lecture** – *New indications of botulinum toxin therapy in Movement disorders*: **Dr. Bahman Jabbari**, Yale Medical School, New Haven, CT
- 7:50 PM Q&A

Thursday, August 16, 2018, Wamsutta Club, First Floor Conference Room

8:00 AM Registration and Continental breakfast,

9:00 AM *Introduction*, Bal Ram Singh, Botulinum Research Center

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

9:30 AM **Symposium Speech** – *Why evolution of BoNT ISN'T important?* **Dr. Andy Pickett**, Toxin Science Ltd., Wrexham, UK

Responders to the Symposium Speech –
Andrew Doxey, University of Waterloo
Min Dong, Harvard Medical School
Raj Kumar, Institute of Advanced Sciences
Michael Adler, US Army Medical Research Institute of Chemical Defense

10:30 AM *BoNT-like toxins and the evolution of BoNT specificity*, **Andrew Doxey**, University of Waterloo, Canada

11:00 AM **Coffee/Tea break**

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

11:30 AM *Emergence of a novel botulinum neurotoxin in a commensal strain of Enterococcus faecium*, **Sicai Zhang**, Children's Hospital, Harvard Medical School

12:00 Noon *Crystal vs Solution Structure: Are we dealing with the right structure of BoNT/A LC*, **Raj Kumar**., Botulinum Research Center, Institute of Advanced Sciences.

12:30 PM **Group Photo**

12:45 PM Lunch

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

1:45 PM **Poster session**

Session V Session Chair – **Michael Adler**, US Army Medical Research Institute of Chemical Defense (USMRICD)

3:15 PM *Mass Spectrometric Forensic Analysis of Botulinum Neurotoxins*, **Suzy Kalb**, Centers for Disease Control, Atlanta, GA

- 3:45 PM *Development of Cleavage Sensitive Monoclonal Antibodies*, **Shashi Kant Sharma**,
Center for Food Safety and Applied Nutrition, Food and Drug
Administration, USA
- 4:15 PM *Forms of Toxin and Substrates Affect Endopeptidase Activity*, **Ghuncha Ambrin**,
University of North Carolina and Botulinum Research Center, Institute of
Advanced Sciences, Dartmouth, MA
- 4:45 PM **Break**

Thursday, August 16, 2018, Evening Program: Wamsutta Club

- 6:00 PM Social
- 7:15 PM Dinner
- Session VI Session Chair – Suzy Kalb**, Centers for Disease Control, Atlanta, GA
- 8:15 PM **Banquet Presentation – *The Original Story of Designer Therapeutic Botulinum Neurotoxins***, **Dr. Keith Foster**, IPSEN Bioinnovations Ltd.
- 8:45 PM Comments and Q&A

Friday, August 17, 2018, 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
- 9:30 AM *Oral Delivery Formulation of Tetanus Vaccine Form*, **Kruti Patel**, Botulinum
Research Center, Institute of Advanced Sciences, Dartmouth, MA
- 10:00 AM *Role of C-terminal Segment of BoNT/A LC in its Endopeptidase Activity* , **Shuwei
Cai**, University of Massachusetts Dartmouth
- 10:30 AM **Coffee/Tea break**
- Session VIII Session Chair – Shashi Kant Sharma**, Center for Food Safety and Applied
Nutrition, Food and Drug Administration, USA
- 10:45 AM *The importance of rigorous scientific review: how study results impact public health actions:
A botulism example*, **John Barr**, Centers for Disease Control, Atlanta, GA

- 11:15 AM *Really! The saga of terrible publication on BoNT*, **Andy Pickett**, Toxin Science Ltd., Wrexham, UK
- 11:45AM **Panel Discussion:** *Therapeutic forms of Toxins*
Andy Pickett, Toxin Science Ltd.
Keith Foster, IPSEN Bioinnovations Ltd
Klaus Fink, MERZ, Germany
Michael Adler, USMRICD
- 12:45 PM Symposium conclusion, lunch, networking, departure