



13th Annual Botulinum Research Symposium, 2019

Program

Wednesday, August 14, 2019

- 1- 4 PM Arrival and check-in at hotels of general delegates
- 4:00 PM Registration and Welcome, **Wamsutta Club**, 427 County Street
New Bedford, MA
- 5:00 PM Social and dinner
- 6:00 PM Lab Concert – Rishi Singh, Neeraj Ramsamooj
- 7:00 PM Welcome to the evening program
- Session I Session Chair – Dr. Keith Foster**, IPSEN Bioinnovations Ltd.
- 7:05 PM **Dr. B.R. DasGupta Memorial Lecture** – *Effects of Botulinum Toxin on Central Nervous System, Observations in Routine Practice*, **Gary Borodic**, Harvard Medical School, Boston, MA
- 7:40 PM Q&A

Thursday, August 15, 2019, 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 – Andy Pickett, Toxin Science Ltd., Wrexham, UK

9:30 AM **Symposium Speech – Neuronal Specificity of Botulinum Neurotoxins**
Michel-Robert Popoff, Pasteur Institute, Paris, France

10:30 AM *MD Simulation Analysis of Botulinum Neurotoxin Light Chain for Structure Function*,
Valeri Barsegov, Department of Chemistry, University of Massachusetts Lowell

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

Session III Session Chair – Klaus Fink, MERZ, Germany

11:30 AM *Botulinum Neurotoxin Delivery Vehicle for Axonal Regeneration*, **Raj Kumar**,
Botulinum Research Center, Institute of Advanced Sciences.

12:00 Noon *BoNT NAPs for oral delivery of protein drugs and vaccines*, **Shuowei Cai**, Department of
Chemistry and Biochemistry, University of Massachusetts Dartmouth

12:30 PM *Effects of Adverse Neurotoxicity of Prolonged Use of BoNT/A, Mediated by Microgliosis*
Using an Engineered Human Brain Model, **Ghuncha Ambrin**, University of
North Carolina and Botulinum Research Center, Institute of Advanced
Sciences, Dartmouth, MA

1:00 PM **Group Photo**

1:15 PM Lunch

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

1:45 PM Poster session

Session V Session Chair – F. Naomi Zeytin, Biosentinel Pharma, Madison, WI

2:15 PM *Genome-wide siRNA screen of regulators of BoNT/A trafficking in a sensitized human
neuronal stem cell line*, **Keith Foster**, IPSEN Bioinnovations Ltd., UK

- 2:45 PM *Therapeutic Toxin Engineering*, **Min Dong**, Children's Hospital, Harvard Medical School
- 3:15 PM *Immunogenomic Host Response to Botulinum Neurotoxin*, **Manoj Bhasin**, BIDMC Genomics, Proteomics, Bioinformatics and Systems Biology Center, Beth Israel Deaconess Medical Center, and Harvard Medical School, Boston, MA
- 3:45 PM *Use of BoNT in Cosmetics*, **Andrew Ress**, Liv Plastic Surgery, Boca Raton, FL
- 4:15 PM **Break**

Thursday, August 15, 2019, Evening Program: Wamsutta Club

- 6:00 PM Social
- 6:30 PM Entertainment – **Magic show, Professor Timothy Su**, Department of Chemistry and Biochemistry, University of Massachusetts Dartmouth
- 7:00 PM Dinner
- Session VI Session Chair – Michael Adler**, US Army Medical Research Institute of Chemical Defense (USMRICD)
- 7:45 PM **Open mike** – *Personal stories of involvement with BoNT work*
- 8:15 PM Conclusion

Friday, August 16, 2019, Wamsutta Club, First Floor

8:00 AM – Breakfast

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

Session VII Session Chair – Min Dong, Harvard Medical School

9:15 AM *Quinololinol as Botulism Inhibitor*, **Kruti Patel**, Botulinum Research Center, Institute of Advanced Sciences, Dartmouth, MA

9:35 AM *Natural products-inspired discovery and development of novel antimicrobial agents*, **Virinder Parmar**, Bioorganic Laboratory, Department of Chemistry, University of Delhi (India); Department of Chemistry and Environmental Science, Medgar Evers College, The City University of New York (USA); Institute of Advanced Sciences, Dartmouth, Massachusetts (USA)

9:55 AM **Coffee/Tea break**

Session VIII Session Chair – Michel Popoff, Pasteur Institute, Paris, France

10:15 AM **Keynote - Botulinum Toxin: A New Approach for a Common Blinding Disease**, **Gary Borodic**, Harvard Medical School, Boston, MA

11:15 AM *Botulinum toxin products worldwide, 2019*, **Andy Pickett**, Toxin Science Ltd., Wrexham, UK

11:45 AM **Panel Discussion: Safety and Side Effects of BoNT Therapeutics**
Keith Foster, IPSEN Bioinnovations Ltd
Klaus Fink, MERZ, Germany
Michael Adler, USMRICD
Gary Borodic, Harvard Medical School
Andrew Ress, Liv Plastic Surgery

12:45 PM Symposium conclusion, lunch, networking, departure