



Institute of
Advanced
Sciences

Botulinum
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Third Announcement

14th Annual Botulinum Research Symposium, August 20-21, 2020

The 14th annual symposium organized by the Botulinum Research Center at the Institute of Advanced Sciences, Dartmouth, MA.

Theme: Novelty of Botulinum Neurotoxins

Tentative Program

Thursday, August 20, 2020 (Time, US Eastern Daylight Saving Time)

Session I -Inaugural Session

9:00 – 9:30 AM	Welcome and Introductory Remarks – <u>Bal Ram Singh</u> , BRC, INADS Botulinum Toxin: Past, Present, and Future - <u>Joseph Jankovic</u> , Baylor College of Medicine, Houston, TX
9:30 – 10:15 AM	
10:15 – 10:30 AM	Q&A
10:30 – 10:45 AM	Break

Session II

10:45 – 11:15 AM	Antidotal treatment of symptomatic botulism by continuous infusion with clinically safe doses of 3,4-diaminopyridine - <u>Patrick McNutt</u> , US Army Research Institute of Chemical Defense, Aberdeen Proving Ground, MD, USA
11:15 – 11:45 AM	Molecular Dynamic Structure of Botulinum Neurotoxin type A endopeptidase – <u>Valeri Barsegov/Raj Kumar</u> , Department of Chemistry, UMass Lowell

Session III

11:45 AM – 12:15 PM	Target pain therapeutics by magnetic BTX-A particle – <u>Baskaran Thyagaraja</u> , University of Wyoming
12:15 – 1:00 PM	Lunch – cum – Poster breakout session

Session IV

- 1:00 – 1:30 PM **Novel Toxins – Min Dong**, Harvard Medical School
- 1:30 – 2:00 PM **Dramatic non-pharmacological effect of botulinum neurotoxins, Lei Wang**, Prime Bio, Inc., Dartmouth, MA, USA
- 2:00 – 2:05 PM **Close of the day**

Friday, August 21, 2020

Session V

- 9:00 – 9:10 AM **Introduction to the BR DasGupta Memorial Lecture**
- 9:10 – 9:55 AM **Tetanus and botulinum neurotoxins as tools of scientific discovery, Prof Giampietro Schiavo**, UK Dementia Research Institute at University College London
- 9:55 – 10:10 AM **Q&A**

Session VI

- 10:10 – 10:40 AM **The role of botulinum neurotoxin A in promoting regeneration following peripheral nerve injury, Michael Adler**, US Army Research Institute of Chemical Defense, Aberdeen Proving Ground, MD, USA
- 10:40 – 11:10 AM **Botulinum neurotoxin as delivery vehicle of botulinum toxin C3 for nerve regeneration, Raj Kumar**, Botulinum Research Center, INADS, Dartmouth, USA
- 11:10 – 11:25 AM **Break**

Session VII

- 11:25 AM – 11:55 AM **Novel antitoxin agent to control botulism hazard, Zhen Zhang**, University of Helsinki, Finland
- 11:55 – 12:25 PM **Controversial Novels in Botulinum Neurotoxins, Andy Pickett**, Toxin Biosciences, UK, and Botulinum Research Center, INADS, Dartmouth, MA

Session VIII

- 12:25 – 1:25 PM **Panel Discussion - Novelty of Botulinum Neurotoxins – Andy Pickett, Moderator**
Klaus Fink, Merz, Germany
Dina Anderson, Allergan, USA
Keith Foster, UK
Robert Hall, NIH, Bethesda, MD
Shuowei Cai, UMass Dartmouth
Andy Ress, Florida, USA
- 1:25 – 1:45 PM **Closing**

Zoom Conference registration - Join Zoom Meeting

<https://us02web.zoom.us/j/87888289443?pwd=OExHbXhJTFF0emYwWdN6dTZpd2RTQT09>

Meeting ID: 878 8828 9443
Passcode: 957984