



Institute of
Advanced
Sciences

Botulinum
Research
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Final 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

Final Program

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

Session I

Inaugural Session; Chair – **Michael Adler**, US Army Research Institute of Chemical Defense

9:00 – 9:30 AM

Welcome and Introductory Remarks – Bal Ram Singh, BRC, INADS

9:30 – 10:15 AM

Botulinum Toxin: Past, Present, and Future - Joseph Jankovic,
Baylor College of Medicine, Houston, TX
Q&A

10:15 – 10:30 AM

10:30 – 10:45 AM

Break

Session II

Chair – **Brenda Wilson**, University of Illinois

10:45 – 11:15 AM

Antidotal treatment of symptomatic botulism by continuous infusion with clinically safe doses of 3,4-diaminopyridine - Patrick McNutt, US Army Research Institute of Chemical Defense, Aberdeen Proving Ground, MD, USA

11:15 – 11:45 AM

Novel antibotulinum agent to control botulism hazard, Zhen Zhang,
University of Helsinki, Finland

Session III

Chair – **Matthew Beard**, IPSEN Ltd., UK

11:45 AM – 12:15 PM

Target pain therapeutics by magnetic BTX-A particle – Baskaran Thyagaraja, University of Wyoming

12:15 – 12:45 PM

Engineering botulinum neurotoxin B to improve its therapeutic efficacy – Min Dong, Harvard Medical School

12:45 – 1:30 PM

Lunch – cum – Poster breakout session

Session IV

Distinguished Eminent Lecture; Chair – **Andy Pickett**, Toxin Sciences, UK

1:30 – 2:15 PM

Developing Eye Muscle Treatments, **Alan B. Scott**, Strabismus Research Foundation, San Francisco, CA, USA

2:15 – 2:30 PM

Q&A

Friday, August 21, 2020

Session V

Dr BR DasGupta Memorial Lecture; Chair – **Cesare Montecucco**, University of Padova, Italy

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, **Giampietro Schiavo**, UK Dementia Research Institute at University College London

9:55 – 10:10 AM

Q&A

Session VI

Chair – **Edwin Vazquez-Cintrón**, Allergan Aesthetics, USA

10:10 – 10:40 AM

Botulinum neurotoxin as delivery vehicle of botulinum toxin C3 for nerve regeneration, **Raj Kumar**, Botulinum Research Center, INADS, Dartmouth, USA

10:40 – 11:10 AM

Novel applications of Clostridial proteins, including for nerve regeneration, vaccine delivery, countering COVID 19, **Michael Adler**, US Army Research Institute of Chemical Defense
Bal Ram Singh, Botulinum Research Center, Institute of Advanced Sciences, Dartmouth, MA

11:10 – 11:25 AM

Break

Session VII

Chair - Chair – **Klaus, Fink**, MERZ, Germany

11:25 AM – 11:55 AM

Novel medical applications of botulinum neurotoxins – longevity and macular disease, **Gary Bordic**, Harvard Medical School, Boston, USA

11:55 – 12:25 PM

Dramatic non-pharmacological effect of botulinum neurotoxins, **Lei Wang**, Prime Bio, Inc., Dartmouth, MA, USA

12:25 – 12:55 PM

The price of novelty, **Andy Pickett**, Toxin Sciences, UK, and Botulinum Research Center, INADS, Dartmouth, MA

Session VIII

Chair – **Min Dong**, Harvard Medical School, Boston, USA

1:00 – 1:45 PM

Panel Discussion - Novelty of Botulinum Neurotoxins – Andy Pickett, **Moderator**

Klaus Fink, Merz, Germany

Mathew Beard, IPSEN Ltd, UK

Mariana Nelson, Allergan, USA

Robert Hall, NIH, Bethesda, MD

Shuowei Cai, UMass Dartmouth

Andy Ress, Liv Plastic Surgery, Florida, USA

1:45 – 2:00 PM

Closing

**Zoom Conference registration
- Join Zoom Meeting**

<https://us02web.zoom.us/j/87888289443?pwd=OExHbXhJTFF0emYwWjN6dUJpd2RTQT09>

Meeting ID: 878 8828 9443
Passcode: 957984