



Institute of
Advanced
Sciences

Botulinum
Research
Center

86-410 Faunce Corner Rd
North Dartmouth
MA, 02747

Tele: (508) 992-2042

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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 anti-botulin 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 Borodic**, 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

Shuwei 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=OExHbXhJTFF0emYwWdN6dTZpd2RTQT09>

Meeting ID: 878 8828 9443
Passcode: 957984