



Institute of
Advanced
Sciences

Botulinum
Research
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Raj Kumar, Institute of
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Final Announcement

16th Annual Botulinum Research Symposium, August 17-18, 2022

The 16th annual symposium organized by the Botulinum Research Center at the Institute of Advanced Sciences, Dartmouth, MA.

Theme: The world of commercial toxins

Program

Wednesday, August 17, 2022 (Time, US Eastern Daylight Saving Time)

Session I

Inaugural Session, Chair – **Min Dong**, Harvard Medical School

8:15 – 8:30 AM

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

8:30 – 9:15 AM

Botulinum Neurotoxin for the Treatment of Macular Disease –
Gary Borodic, Harvard Medical School

9:15 – 9:45 AM

Chimeric BoNT-based platform for the delivery of antibodies into neurons – **Dr. Shin-Ichiro Miyashita**, Tokyo University of Agriculture

9:45 – 10:00 AM

Break

Session II

Chair - John Bogdan, LMI supporting JPEO CBRN Medical, Frederick, MD

10:00 – 10:30 AM

Automation of BoNTA Cell-Based Potency Assay –
Karl-Heinz Eisele, MERZ, Germany

10:30 – 11:00 AM

Botulinum Neurotoxin Type A Directly Affects Sebocytes and Modulates Oleic Acid-Induced Lipogenesis – **Birgitte Jacky**, Abbvie/Allergan, USA

11:00 – 11:30 AM

The Lidocaine Botulinum Story – **Lei Wang**, Prime Bio, Inc

11:30 – 12:15 PM

Lunch – cum – Meeting breakout sessions

Session III

Chair – Lance Steward, Abbvie/Allergan, USA

12:15 – 12:45 PM

Botulinum Toxin Type A Duration Enhancement by Mu-Conotoxin Cn11C – **Mickaël Machicoane**, Fastox Pharma SA, Lausanne, Switzerland

12:45 – 1:15 PM

Clinical use of onabotulinumtoxinA for over 30 years – **Ritu Singh**, Abbvie/Allergan.

1:15 – 1:30 PM

The Legacy of Dr. Alan Scott – **Joel M. Miller**, Strabismus Research Foundation, and Eidactics, San Francisco, CA, USA

Thursday, August 18, 2022

Session IV

Chair – Michael Adler, US Army Research Institute of Chemical Defense, Aberdeen Proving Ground, MD, USA

8:00– 8:10 AM

8:10 – 8:55 AM

Introduction to the **BR DasGupta Memorial Lecture**
Breathing New Life into New Idea – the Clarifying Role of Mechanistic Studies in Therapeutic Discovery, **Patrick McNutt**, Wake Forest Health Sciences

8:55 – 9:10 AM

Q&A

Session V

Chair - John Barr, CDC, Atlanta, USA

9:10– 9:40 AM

Developing Monoclonal Antibody (Mab) Products As Medical Countermeasures Against Exposure To Botulinum Neurotoxin (BoNT)– **John Bogdan**, LMI supporting JPEO CBRN Medical, Frederick, MD

9:40 – 10:10 AM

Botulism Antitoxin Heptavalent (A, B, C, D, E, F, G) - (Equine) (BAT®) Use in Clinical Study Subjects and Patients: A 15-Year Systematic Safety Review – **Geraldine Parrera**, Emergent Biosolutions,

10:10 – 10:30 AM

Break

Session VI

Chair – Shuowei Cai, University of Massachusetts Dartmouth

10:30 – 11:00 PM

Evolution of Botulinum Neurotoxins and Their Commercial Uses–**Raj Kumar**, Institute of Advanced Science

11:00 – 11:30 PM

Stunnox – **Rajesh Lalchandani**, Gufic Biosciences, India

Session VII

Chair - Bal Ram Singh, BRC, Institute of Advanced Sciences

11:30 AM –12:30 PM

Three Generations of Botulinum Research at at the University of Wisconsin – Madison - Lifetime Achievement Award Speech - **Eric Johnson**, Retired Professor from the University of Wisconsin – Madison



Session VIII

Moderator: Brenda Wilson, Univ of Illinois, Urbana-Champaign

12:30 - 1:40 PM

Panel Discussion: Place of Commercial Toxins in Botulinum Research – Past, Present, and Future

Mariana Nelson, AbbVie/Allergan

Michael Adler, US Army Research Institute of Chemical Defense

Klaus Fink, MERZ

Min Dong, Harvard Medical School

David Hodge, Former Senior Program Manager at the Department of Homeland Security

1:40 - 1:55 PM

Closing

Venue

Zoom Meeting room

Registration

You are invited to a Zoom meeting.

When: Aug 17 and 18, 2022 08:00 AM Eastern Time (US and Canada)

Register in advance for this meeting:

Topic: 16th BRC Symposium, August 17-18, 2022

Time: This is a recurring meeting Meet anytime

Join Zoom Meeting registration link

<https://us02web.zoom.us/meeting/register/tZEtfu2grTooGdVpnZ0jkC6Dq6Vzof4k2Ott>

After registering, you will receive a confirmation email containing information about joining the meeting.