



Institute of  
Advanced  
Sciences

Botulinum  
Research  
Center

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## Symposium Coordinators:

Shuwei Cai, University of  
Massachusetts Dartmouth

Raj Kumar, Institute of  
Advanced Sciences

## Third Announcement

### 16<sup>th</sup> Annual Botulinum Research Symposium, August 17-18, 2022

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

**Theme:** The world of commercial toxins

#### Tentative Program

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

#### Session I -Inaugural Session

8:00 – 8:30 AM	<b>Welcome and Introductory Remarks – <u>Bal Ram Singh</u>, BRC, INADS</b>
8:30 – 9:15 AM	<b>New insights on the pathophysiology of intestinal Clostridium botulinum infection – Yukako Fujinaga, Kanazawa University, Ishikawa, Japan</b>
9:15 – 9:30 AM	Q&A
9:30 – 10:00 AM	<b>TBA – Dr. Shin-Ichiro Miyashita, Tokyo University of Agriculture (Anticipated)</b>
10:00 – 10:15 AM	<b>Break</b>

#### Session II

10:15 – 10:45 AM	<b>Automation of BoNTA Cell-Based Potency Assay – Karl-Heinz Eisele, MERZ, Germany</b>
10:45 – 11:15 AM	<b>Botulinum Neurotoxin Type A Directly Affects Sebocytes and Modulates Oleic Acid-Induced Lipogenesis – Birgitte Jacky, Abbvie/Allergan, USA</b>
11:15 – 11:45 AM	<b>Botulinum Neurotoxin for the Treatment of Macular Disease – Gary Borodic, Harvard Medical School</b>
11:45 – 12:15 PM	<b>The Lidocaine Botulinum Story – Lei Wang, Prime Bio, Inc</b>

12:15 – 12:45 PM **Lunch – cum – Poster breakout session**

#### Session III

12:45 – 1:15 PM	<b>Clinical use of onabotulinumtoxinA for over 30 years – Rozalina Dimitrova, Abbvie/Allergan.</b>
1:15 – 1:30 PM	<b>The Legacy of Dr. Alan Scott – Joe Miller, Strabismus Research Foundation, San Francisco, CA, USA</b>

Thursday, August 18, 2022

**Session IV**

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  
Q&A**

**Session V**

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**

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**

11:30 AM –12:30 PM

**Lifetime Achievement Award Speech - Eric Johnson, Retired  
Professor from the University of Wisconsin – Madison**

**Session VIII**

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

John Barr, CDC

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.**