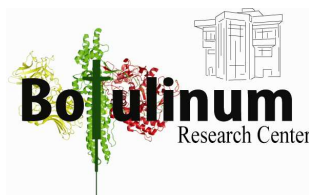


## Sixth Annual Botulinum Research Symposium, 2012

### Final Program

**Thursday, August 16, 2012**

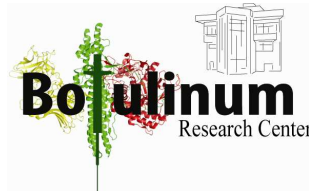
- 1-4 PM      Arrival and check-in at hotels
- 4:00-5:00 PM      Registration and Welcome, UMass Campus, **Outside the BRC Building**,  
Parking Lot 15
- 5:00 PM      Social and BBQ dinner, UMass Campus, **Outside the BRC Building**
- 6:00 PM      Welcome remarks – **Dr. John Farrington**, Provost and Vice Chancellor for  
Academic Affairs
- 6:45PM      Travel to CVPA Auditorium
- 7:00PM      Welcome to the evening program
- 7:05 PM      Lab Concert – Koyel Ghosal, GowriChellappan, Anuradha Tata, others, CVIP  
Auditorium (VI-153), Parking Lot 9
- Session I      Session Chair** – Dr. Andy Pickett, Toxin Science Ltd., Wrexham, UK
- 7:45 PM      **Featured Speech** – Dr. S. Swaminathan, Brookhaven National Lab, Stony  
Brook; NY *History of Botulinum Crystallography: Evolution and  
Evaluation*
- 8:30 PM      Q&A



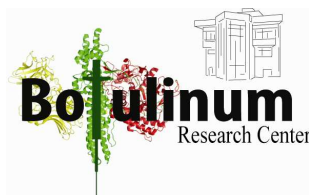
Friday, August 17, 2012

**Woodland Commons Conference Area (Parking Lot 10)**

- 7:45 AM Registration and Continental breakfast
- 8:10AM *Introduction*, Dr. Bal Ram Singh, UMass Dartmouth
- 8:20 AM *Welcome*, **Dr. Alex Fowler**, Associate Provost for Graduate Studies and Research
- Session II** **Session Chair** – Dr. Michael Adler, US Army Medical Institute of Chemical Defense, Aberdeen Proving Ground, MD
- 8:25 AM **Symposium Speech** – Dr. Rongsheng Jin, Sanford-Burnham Medical Research Institute, La Jolla, CA, USA; *Crystallizing our understanding of botulinum neurotoxin*
- 9:10AM *Direct Comparison Of Botulinum Neurotoxins Type A And E*, **Dr. Matthew Beard**, Syntaxin Ltd., UK
- 9:30 AM *Comparative Functional Folding of BoNT Endopeptidases*, **Dr. Raj Kumar**, BRC, UMass Dartmouth
- 9:50 AM *Computational Modeling of Complex Biological Systems*, **Dr. Valeri Barsegov**, University of Massachusetts Lowell
- 10:10 AM **Coffee/Tea break**
- Session III** **Session Chair** – Dr. Patrick McNutt, US Army Medical Institute of Chemical Defense, Aberdeen Proving Ground, MD
- 10:25 AM *Accelerated Recovery From BoNT Intoxication*, **Dr. Michael Adler**, US Army Medical Research Institute of Chemical Defense, APG, MD
- 10:45AM *Botulinum Neuro "Toxin, Tool & Therapy" - Take A Shot To Shoot A Frown*, **Dr. Baskaran Thyagarajan**, University of Wyoming
- 11:05 AM *Biologic Therapeutic for Treating BoNT Persistence*, **Dr. George Oyler**, Synaptic Research, MD



- 11:25 AM      *Program Officers*      *Dr. Robert Hall, NIAID, NIH, Rockville, MD*  
*Dr. David Hodge, DHS, Washington, DC*  
*Dr. Giora Feuerstein, DTRA, DoD, Washington, DC*
- 11:55              Travel to BRC quad
- 12:00PM        Group Photo and Tour of Center facilities
- 12:30 PM        **Lunch, BRC Quad**
- 1:15 PM        Poster session, **BRC Bridge**
- Session IV**    **Session Chair -** Dr. VenkatKodumudi, Omni Array Biotechnology,  
Rockville, MD
- 2:45 PM        **Roundtable Discussion -** Detection of biothreat agents  
*Dr. John Barr, CDC, Atlanta, GA*  
*Dr. Pete Estacio, LLNL, Livermore, CA*  
*Dr. Giora Feuerstein, DTRA, Washington DC*  
*Dr. Klaus Fink, MERZ, Germany*  
*Dr. Robert Hall, NIAID, NIH, Rockville, MD*  
*Dr. David Hodge, DHS, Washington, DC*  
*Dr. Segaran Pillai, DHS, Washington, DC*  
*Dr. Shashi Sharma, US FDA, College Park, MD*
- Session V**    **Session Chair –** Dr. Klaus Fink, MERZ, Germany
- 3:45 PM        *Pearls of the past, gems of the future,***Dr. Andy Pickett,**Toxin Science Ltd.,  
Wrexham, UK
- 4:05 PM        *Stem Cell Derived Neurons For In Vitro Characterization Of BoNT Activity,* **Dr.**  
**Patrick McNutt,** US Army Medical Institute of Chemical Defense,  
Aberdeen Proving Ground, MD
- 4:25 PM        *Platforms For Postexposure Antitoxins Against Botulism,* **Dr. Brenda Wilson,**  
University of Illinois, Urbana-Champaign



4:45 PM      **Coffee/Tea break**

**Session VI      Session Chair** – Dr. Ashraf Ahmed, US Army Medical Research Institute of Infectious Diseases, Ft. Detrick, MD

5:00 PM      *Detection of BoNT Using Single Molecule Arrays (Simoa)*, **Dr. David Duffy**,  
Quanterix, Cambridge, MA

5:20PM      *Bivalent Aptamers For Detection Of Botulinum Neurotoxin*, **Dr. Daniel Hall**, RMD,  
*Inc., Watertown, MA*

### **Friday, August 17, 2012, Evening Program: Woodland Commons**

5:45 PM      Social and the Game of Botingo©, a latest creation of the Botulinum Center

6:30 PM      Dinner

**Session VII      Session Chair** – Dr. Joseph McArdle, University of Medicine and Dentistry of New Jersey, Newark, NJ

7:30 PM      **Symposium Banquet Speech** – *Dr. Gary Borodic, Harvard Medical School,*  
***History of Botulinum Toxin as a Medical Agent – Past, Present, and Future***

8:15 PM      Q&A

8:30 PM      Conclusion and Farewell