



## Channing Microbiome Seminar

May 26 (Friday), 2017, 11am @ 5th floor conference room



**Min Dong, Ph.D.**

Assistant Professor of Microbiology and Immunobiology  
Department of Urology, Boston Children's Hospital  
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### Biology and Engineering of Bacterial Toxins

Dr. Dong's lab has a broad interest in understanding the molecular, structural, and cellular mechanisms for bacterial toxins to target and disrupt critical cellular functions. Along these lines of basic research, the lab is also keen in developing new scientific tools and novel therapeutics. Today's talk will cover three topics: (1) Engineering botulinum neurotoxins to improve its therapeutic efficacy; (2) Identification of a new type of botulinum neurotoxin; (3) Identification of cellular receptors for *C. difficile* toxin B.

Bio: Min Dong, Ph.D., is currently an Assistant Professor of Microbiology and Immunobiology at Boston Children's Hospital and Harvard Medical School. He is also a member of Harvard Digestive Disease Center, a member of Neuroscience Program of Harvard Medical School, and a member of the Biophysics Program at Harvard University. He received his B.S. in Biology from University of Science & Technology of China in 1997, and his Ph.D. in Neuroscience from University of Wisconsin – Madison in 2004. Then he did postdoc training at HHMI, University of Wisconsin – Madison.

Hosted by Yang-Yu Liu