



Rongsheng Jin, PhD

Dr. Rongsheng Jin is a Professor in the Department of Physiology and Biophysics at University of California, Irvine. He earned his M.S. degree from Institute of Biophysics (Chinese Academy of Sciences) and Ph.D. degree from Columbia University. He then carried out postdoctoral research at Stanford University and Howard Hughes Medical Institute (HHMI). Dr. Jin was a recipient of the Alfred P. Sloan Research Fellowship in 2009 and the Young Investigators Grant from the Human Frontier Science Program in 2011. In 2020, Dr. Jin's laboratory made the Innovation Eight of the STAT Madness competition, which is a nationwide competition featuring cutting-edge biomedical research published in the US in 2019.

Dr. Jin has published extensively on botulinum and other bacterial toxins in high profile journals. One of his major interest focuses on mechanistic and structural studies of botulinum neurotoxins (BoNTs). He has determined the crystal structure of BoNT/B in complex with its neuronal receptor synaptotagmin (Syt), BoNT/A in complex with a glycosylated synaptic vesicle glycoprotein 2 (SV2), and a clostridial hemagglutinin (HA) complex of BoNT/A bound to the cell adhesion protein E-cadherin. In 2013, his laboratory reported the first molecular structure of a 14-subunit BoNT/A complex, which is the active pharmaceutical ingredient in the commercial BoNT/A products on the market.