

Garret D. Stuber, Ph.D.



Dr. Stuber received his BS in Psychology with a minor in Chemistry from the University of Washington in 2000. He then completed his Ph.D. in Neurobiology at the University of North Carolina at Chapel Hill in 2005 where he studied rapid dopamine dynamics during cocaine self-administration with Drs. R. Mark Wightman and Regina Carelli. For his postdoctoral work, Dr. Stuber joined the lab of Dr. Antonello Bonci, then at the Ernest Gallo Clinic and Research Center and the University of California, San Francisco, where he studied how excitatory synaptic transmission in the ventral tegmental area is altered following reward-related learning. While still

at the Gallo Center Dr. Stuber began to adopt optogenetic techniques to study reward related behaviors. Dr. Stuber started his own lab in 2010 in the Departments of Psychiatry & Cell Biology and Physiology at the University of North Carolina at Chapel Hill. The Stuber Lab's research focuses on the neural circuit mechanisms that underlie adaptive and maladaptive behavioral states that mediate reward-related as well as stress and anxiety-related behaviors. To accomplish this, the laboratory employs multiple cutting-edge techniques both *in vivo* and *in vitro*. The Stuber lab's ultimate research goal is to delineate the functional neurocircuit architecture that orchestrates precise behavioral states.