



Allan Ferreon, PhD

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Pharmacology

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*Biophysical Studies of Condensation and Aggregation of
Neurodegenerative Disease-Linked Disordered Proteins*

Dr. Allan Ferreon is an associate professor at the Baylor College of Medicine in Houston, Texas. He obtained his graduate degree at the University of Texas Medical Branch in Galveston, Texas, under the mentorship of Wayne Bolen, and took up a postdoctoral research position at The Scripps Research Institute in La Jolla, California in the laboratory of Ashok Deniz. He has a multidisciplinary background in topics ranging from molecular biology and biochemistry to structural chemistry and single-molecule biophysics. Dr. Ferreon established his lab in 2014 and studies intrinsically disordered proteins associated with neurodegenerative diseases, such as Tau, α -synuclein, TDP-43, and hnRNP A1. He applies several microscopy methods, including fluorescence fluctuation spectroscopy, single-molecule FRET, and fluorescence lifetime imaging microscopy, to study phase separation and aggregation propensities of multiple systems both in vitro and in vivo. The Ferreon Lab is dedicated to understanding the function-dysfunction dichotomy of disordered proteins through the characterization of their conformational and structural dynamics.