

Dr. Daou is an Assistant Professor in the Biochemical Engineering Program. He obtained his BSc degree in Computer Science from AUB, with a minor in Mathematics. He then obtained an PhD in Biomathematics from Florida State University and followed it with another PhD in Neuroscience from the University of Chicago. His research is focused on exploring the neurobiological underpinnings of learning and memory as well as exploring neural sequence generation in the brain and the temporal precision that neurons in some regions of the brain exhibit during specific complex motor behaviors. To approach this problem, he uses intracellular recordings in conjunction with pharmacology and microstimulation. In addition to that, his work draws from a set of computational and physiological techniques including single and multiunit extracellular recordings, immunohistochemistry, neuro-anatomy, mathematical modeling and software development.