Context x Everything Interactions: Proteins, Predictions, Pandemics and Prisons

Complex biological systems can be described by any one of a number of features, including the tools used to deconstruct interactions between the parcels, actors, and forces that compose these systems. In addition, they are defined by a growing understanding of how context shapes these interactions, and by extension, the behavior of biological systems. In this seminar, I will highlight these aspects of complex biological systems using several different model problems: protein evolution, genomic prediction, and the interaction between pandemics and the criminal legal system.