

Creighton University Department of Mathematics Invites You To Attend

Department of Mathematics Colloquium

Friday, October 25, 2019 | 3:30 p.m. | HLSB 522

“Statistical Inference and Model Checking of Biological Networks”

Presented by Haijun Gong, Ph.D. | Saint Louis University

Biological networks have been widely used to describe many biological processes and help study the dynamic behaviors of the system. Modern genomics technologies have generated a vast amount of biological data. One of the most challenging tasks for biologists and data scientists is how to correctly reconstruct the networks from the high-dimensional data. In this talk, we will discuss our project: integrate the weighted dynamic Bayesian network inference method with model checking technique in a unified framework to infer and verify stationary biological network from microarray data. We will also briefly discuss our current NIH-funded project about time-varying network reconstruction.



Join us in HLSB 503 at 3:00 p.m.
for a reception before the talk.