

Modeling of Cellular Dynamics and Organelles

Thursday, June 11, 2020 1:30 PM (30 minutes)

Modeling and so understanding the dynamics of structures within cells requires input from a variety of observations and preparations – light microscopy, bleaching, physical and genetic perturbations, and ultrastructure reconstructions using tomography. I'll discuss how the fine-grained tomographic details of microtubule conformation and coupling have driven and assisted our large-scale modeling of nuclear transport and spindle dynamics.