



INVITED SESSION

Particle Based Models for Biological and Biomedical Systems

ORGANIZER

D. Mukherjee*

*University of Colorado Boulder, US

ABSTRACT

This invited session will focus on techniques and applications of particle-based modeling approaches for biological and biomedical systems. Particle-based methods find wide applicability in studying biological phenomena both in physiological contexts as well as in organism level phenomena. This is particularly true when considering the typical multiscale multiphysics nature of such phenomena, where flexibilities offered by particle-based methods make them valuable.

This invited session will aim to bring investigators working on a variety of biological applications, and discuss latest advancements in methods development, applications in a variety of biological contexts, and development of community tools and software.