

Analysis and numerics for systems of nonlinear PDEs in mathematical biology

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Short Description

The advance in the experimental possibilities and availability of data allow us to develop complex models for a better understanding of many different biological processes. This results into necessity to develop sophisticated numerical schemes and methods for numerical simulations of mathematical models for biological systems. This minisymposium will showcase the connections between modelling, analysis and numerics in mathematical biology and new developments in the numerical analysis and efficient simulations of important problems in mathematical biology. It will also offer a platform to foster discussion between people working on the analytical and numerical aspect.