MS17: Stochastic dynamics of cancer evolution: models and data
Organiser: Marek Kimmel *kimmel@rice.edu*

Abstract: This minisymposium concerns current mathematical models of stochastic phenomena underlying evolution, growth and spread of cancer. The aim is to show how data which have been recently generated by techniques such as sequencing, proteomics and other, can be used to build more realistic and mathematically interesting models. Some of these models exhibit nonstandard dynamics and involve new types of stochastic processes which enrich the classical theory. All pose challenges for parameter estimation and simulation.