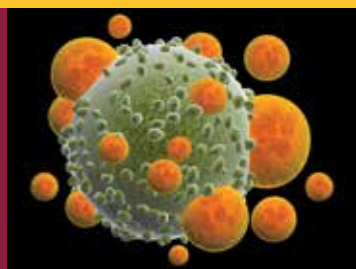


ICMA 2019

OCTOBER 12 – 14 IN TEMPE, ARIZONA

MATH.ASU.EDU/ICMA-2019

Seventh International Conference on Mathematical Modeling and Analysis of Populations in Biological Systems



The broad, general theme of the conference is the formulation, validation, analysis and simulation of mathematical models for the temporal dynamics of biological populations. A special emphasis will be placed on mathematics of molecular biology and immunology. Specific topics include:

modeling, data analytics and analysis of phenomena in molecular and synthetic biology
mathematical oncology (cancer systems biology)
genetic-ecology-epidemiology models
multi-host-vector-pathogen systems
persistence of ecosystems
uncertainty quantification in life sciences

PLENARY SPEAKERS

Natalia Komarova
UC Irvine

Qing Nie
UC Irvine

Sebastian Schreiber
UC Davis

Hao Wang
University of Alberta

Winners of Lord Robert May Prize for Best Paper
Published in Journal of Biological Dynamics 2017-2018

Brian Yurk **Christina Cobbold**
Hope College University of Glasgow

ASU School of Mathematical
and Statistical Sciences
Arizona State University



Organizing Committee Chairs
Abba Gumel
Yang Kuang