



center for
systems biology
dresden



international max planck
research school for cell,
developmental & systems biology

This is to certify that

Zsófia Bujtár

participated in the
Dresden Summer School in Systems Biology 2018

Spatiotemporal Modeling and Simulation of Biological Systems

organized August 11-18, 2018
by the Center for Systems Biology Dresden (CSBD)
and the International Max Planck Research School
for Cell, Developmental, and Systems Biology.

The school consisted of 18 hours of lectures, 5 hours of scientific talks, and 34 hours of tutored hands-on training in computational methods for spatiotemporal modeling and simulation of biological systems. The lectures covered techniques for modeling dynamics in space and time and for simulating the resulting models in the computer. The phenomena considered included biochemical reactions, diffusion, pattern formation, and flows. The practical tutorials implemented simulations of the PAR system of cell polarity establishment in *C.elegans* eggs, covering all taught concepts. 15 participants from 11 countries were selected based on their CV and letter of motivation. They worked in multi-disciplinary teams of 4 persons. Each team gave 3 intermediate and 1 final presentation (5 & 20 minutes, respectively).

Dr. Lutz Brusch
ZiH, TU Dresden

Dr. Christoph Zechner
CSBD & MPI-CBG

Prof. Dr. Ivo F. Sbalzarini
CSBD, TUD & MPI-CBG



CBG
Max Planck Institute
of Molecular Cell Biology
and Genetics



DIIP
dresden international phd program



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