

Systems Biology and Modeling Methods

Prof. Tomáš Helikar

University of Nebraska, USA

23. – 26. 5. 2022

MASARYK UNIVERSITY CAMPUS
KAMENICE 5, BRNO

The course aims at immersing life sciences in the field of computational modeling of biochemical and biological network systems and their complex dynamics. Students will learn about network processes in living organisms and computational methods hand-in-hand on several biological and biochemical systems.

Students will learn and utilize a popular logical modelling framework and related software tools on the computational modelling side. The course will primarily consist on hands-on activities that will involve the construction, manipulation, simulation, and analysis of computational models of biological systems. By the end of the course, students will be expected to have created, analyzed, and presented a computational model of a biological systems of their interest.

Masaryk University students can get 2+2 credits.

Registration is required to attend the course (with no registration fee).

