

Session Program

1-3 Dec 2023

Dynamics of biological systems: emergent phenomena at different scales

Patterns in Biology

Jagiellonian University, A-1-06
Faculty of Physics, Astronomy and Applied Computer Science, Jagiellonian University, ul. prof.
Stanisława Łojasiewicza 11, 30-348 Kraków

Friday 1 December

16:00

Patterns in Biology: Part I

Session |**Location:** Jagiellonian University, A-1-06, Faculty of Physics, Astronomy and Applied Computer Science, Jagiellonian University, ul. prof. Stanisława Łojasiewicza 11, 30-348 Kraków |**Convener:** Marcin Zagorski

16:00–16:45

From cell mechanics to tissue-scale properties properties in development

Speaker

bernat corominas-murtra

16:45–17:30

A Clock and Wavefront Self-Organizing model explains somitogenesis in vivo and in vitro

Speaker

Luciano Marcon

17:30–17:50

Stability of gene expression patterns in developmental systems with dynamic morphogen sources

Speaker

Maciej Majka

18:00

Saturday 2 December

09:00

Patterns in Biology: Part II

Session |

Location: Jagiellonian University, A-1-06, Faculty of Physics, Astronomy and Applied Computer Science, Jagiellonian University, ul. prof. Stanisława Łojasiewicza 11, 30-348 Kraków |

Convener: Katarzyna Dziedzic-Kocurek

09:30-10:15

Novel studies of cancer cells heterogeneity

Speaker

Zenon Rajfur

10:15-11:00

Mathematical modelling of cancer invasion: Phenotypic transitioning provides insight into multifocal foci formation

Speaker

Zuzanna Szymańska

11:00