

# **Saturday 2 December**

11:30

## Complexity of Life: Part I

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:** Jakub Mielczarek

11:30-12:15 Health risks of human space exploration

Speaker

Anna Fogtman

12:15-13:00

Human adaptations for extreme environments during simulated space analog missions

Speaker

Agata Kołodziejczyk

13:00-13:20 Complexity flow graphs

Speaker

Mateusz Twardawa

13:20 16:30

### Complexity of Life: Part II

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:** Hélder Larraguível

#### 16:30-17:15

The tale of the mouse and the fly: Biophysical modeling, optimization and inference for elucidating distinct developmental strategies

Speaker

Thomas Sokolowski

17:15-17:35 Emergent Robustness from Multiple Timescale Adaptive Dynamics

Speaker

Tuan Pham

#### 17:35-17:45

Computational modelling approach of nonlinear signalling networks in the fish endocrine system (CANCELLED)

Speaker

Baeckkyoung Sung

17:45-17:55

Pandemic and post-pandemic mobility and contact patterns in Berlin - preliminary results

**Speaker** 

Marlli Zambrano

18:05

# **Sunday 3 December**

11:45

# **Complexity of Life: Part III**

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:** Luciano Marcon

11:45-12:30 Self-Organization of Lifelike Behaviours

Speaker

Jeremy England

12:30-12:50

Effects of toxicity and zooplankton selectivity under seasonal pattern of viruses with time delay on plankton dynamics

Speaker

Samares Pal

12:50-13:35

Pattern formation during social contagions: epidemics, infodemics and civil unrest

Speaker

Mikhail Prokopenko

13:35