

Dynamics of biological systems: emergent phenomena at different scales

Saturday, December 2, 2023

Complexity of Life: Part I - A-1-06 (11:30 AM - 1:20 PM)

-Conveners: Jakub Mielczarek

| time | [id] title | presenter |
|----------|---------------------------------------------------------------------------------------|----------------------|
| 11:30 AM | [22] Health risks of human space exploration | FOGTMAN, Anna |
| 12:15 PM | [3] Human adaptations for extreme environments during simulated space analog missions | KOŁODZIEJCZYK, Agata |
| 1:00 PM | [8] Complexity flow graphs | TWARDAWA, Mateusz |

Complexity of Life: Part II - A-1-06 (4:30 PM - 6:05 PM)

-Conveners: Hélder Larraguível

| time | [id] title | presenter |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 4:30 PM | [12] The tale of the mouse and the fly: Biophysical modeling, optimization and inference for elucidating distinct developmental strategies | SOKOLOWSKI, Thomas |
| 5:15 PM | [5] Emergent Robustness from Multiple Timescale Adaptive Dynamics | PHAM, Tuan |
| 5:35 PM | [4] Computational modelling approach of nonlinear signalling networks in the fish endocrine system (CANCELLED) | SUNG, Baeckkyoung |
| 5:45 PM | [10] Pandemic and post-pandemic mobility and contact patterns in Berlin - preliminary results | ZAMBRANO, Marlli |

Sunday, December 3, 2023

Complexity of Life: Part III - A-1-06 (11:45 AM - 1:35 PM)

-Conveners: Luciano Marcon

| time | [id] title | presenter |
|----------|----------------------------------------------------------------------------------------------------------------------------|---------------------|
| 11:45 AM | [23] Self-Organization of Lifelike Behaviours | ENGLAND, Jeremy |
| 12:30 PM | [6] Effects of toxicity and zooplankton selectivity under seasonal pattern of viruses with time delay on plankton dynamics | PAL, Samares |
| 12:50 PM | [14] Pattern formation during social contagions: epidemics, infodemics and civil unrest | PROKOPENKO, Mikhail |