

Dynamics of biological systems: emergent phenomena at different scales

Saturday 2 December 2023

Complexity of Life: Part I - A-1-06 (11:30 - 13:20)

-Conveners: Jakub Mielczarek

time	[id] title	presenter
11:30	[22] Health risks of human space exploration	FOGTMAN, Anna
12:15	[3] Human adaptations for extreme environments during simulated space analog missions	KOŁODZIEJCZYK, Agata
13:00	[8] Complexity flow graphs	TWARDAWA, Mateusz

Complexity of Life: Part II - A-1-06 (16:30 - 18:05)

-Conveners: Hélder Larraguível

time	[id] title	presenter
16:30	[12] The tale of the mouse and the fly: Biophysical modeling, optimization and inference for elucidating distinct developmental strategies	SOKOLOWSKI, Thomas
17:15	[5] Emergent Robustness from Multiple Timescale Adaptive Dynamics	PHAM, Tuan
17:35	[4] Computational modelling approach of nonlinear signalling networks in the fish endocrine system (CANCELLED)	SUNG, Baeckkyoung
17:45	[10] Pandemic and post-pandemic mobility and contact patterns in Berlin - preliminary results	ZAMBRANO, Marlli

Sunday 3 December 2023

Complexity of Life: Part III - A-1-06 (11:45 - 13:35)

-Conveners: Luciano Marcon

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