

7th of May 2024

10:00-10:35	Registration
10:35-10:45	Opening statements
10:45-11:40	Keynote: Sandra Loerakker - Computational approaches to analyze and predict mechano-regulated cardiovascular regeneration
11:40-11:55	Yann-Edwin Keta - Numerical insights into collective cell motion during gastrulation
11:55-12:10	Koen Keijzer
12:10-12:25	Sam von der Dunk - A universal bias in the genotype-phenotype map of RNA
12:25-12:40	Bas Jacobs - Consequences of alternative stable states for short-term model-based control of cyanobacterial blooms
12:40-13:30	Lunch
13:30-14:00	Swarnendu Banerjee - Rethinking tipping points in spatial ecosystems
14:00-14:30	Daphne Nesenberend - Pattern formation in Mechanochemical models
14:30-15:00	Tea / coffee break
15:00-15:30	Benjamin Planterose Jiménez - Reverse engineering gene regulatory networks for proliferation and differentiation in the development of <i>C. elegans</i>
15:30-15:45	Stefan Loonen - Phosphorylation impacts the dynamical behaviour of the SARS-CoV-2 nucleocapsid protein
15:45-16:00	Jan Paul van Meenen - Mechanistic remodeling of waning immunity and reinfection by COVID-19 in Manaus
16:00-16:15	Marco Saltini - Transition to sexual dimorphism in mirror-image flowers: insights from adaptive dynamics
16:15-16:30	Jana Riederer - Sexual selection driven by direct benefits leads to the erosion of direct benefits
16:40-18:00	General Assembly
18:00-19:00	Dinner
19:15-...	Walk to the sea or getting lost in the attempt

8th of May 2024

8:30-9:30	Breakfast
9:30-10:25	Keynote: Martijn Egas - Human cooperation by reciprocity
10:25-10:40	Xenia Sterl - Four causes of nursery function degradation and their consequences for declining marine juvenile species
10:40-10:55	Nicole Walasek - The evolution of sensitive periods beyond early ontogeny: Bridging theory and data
10:55-11:10	Dajo Boog - The evolution of parental care qualitatively depends on how reproduction is affected by density dependence
11:10-11:30	Tea / coffee break
11:30-12:00	David Versluis - Human milk oligosaccharide decreases microbial mucin consumption by stimulating bacteria that do not share extracellular resources in infant gut simulations
12:00-12:15	Maarten Droste - Entropy production rate of microbes with a metabolic shift can decrease with growth rate
12:15-12:30	Laura van Schijndel - Plants and mycorrhizal fungi trading: when is a deal a deal? An explicit-resource model with variable trade investment
12:30-13:30	Lunch
13:30-14:00	Fransje van Weerden - The spatial agent-based model OHDEAR : Effects of predation and disturbance on forager groups
14:00-14:30	Alkmini Zania - Sexual reproduction and the evolution of endosymbiosis
14:30-14:45	Jasper Croll - Family matters: linking kin interactions to population growth
14:45-15:05	Tea / coffee break
15:05-15:35	Mark Alber - Combined multi-scale modeling and experimental study of regulation mechanisms of shape formation during tissue development
15:35-15:45	Presentation prize and closing ceremony