

Programme NVTB School meeting 2023



19th of June 2023

10:00-10:35	Registration
10:35-10:45	Opening statements
10:45-11:40	Keynote: Lia Hemerik - <i>Matrix population models for threatened species</i>
11:40-12:10	Sam von der Dunk - <i>Eukaryotic complexity as a consequence of mitochondrial endosymbiosis</i>
12:10-12:25	Paul Banse - <i>Modeling the interplay between structural variations and substitutions generates saltational evolutionary dynamics.</i>
12:30-13:30	Lunch
13:30-13:45	Bas van den Herik - <i>Efficiently starting and preferentially filling a potato</i>
13:45-14:00	Dajo Boog - <i>Behavioural plasticity in female mate choice causes sexual selection for costly male ornaments</i>
14:00-14:15	David Versluis - <i>2'-Fucosyllactose helps butyrate producers outgrow competitors in infant gut microbiota simulations</i>
14:15-14:30	Jasper Croll - <i>Elephant poaching: a family tragedy</i>
14:30-15:00	Tea/Coffee break
15:00-15:15	Lars Koopmans - <i>Spontaneously formed topological structures build dynamic spatial patterns in biological cellular automata</i>
15:15-15:30	Lin Wouters - <i>The Fundamental Diagram of T Cell Crowding Exhibits Regions that Correspond to Different Cell Behaviors</i>
15:30 -16:00	Victoria Mironova - <i>Same-same, but different: Modelling Root Morphogenesis in a Parasitic Plant</i>
16:00 -16:30	Koen Keijzer - <i>Introducing dynamic focal adhesions into a novel hybrid cellular Potts model with discrete fibrous extracellular matrix</i>
16:40 -18:00	General Assembly
18:00-19:00	Dinner
19:15- ...	Walk to the sea or perhaps getting lost in the dunes.

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8:30-9:30	Breakfast
9:30-10:25	Keynote: Bram van Dijk - <i>Mode and frequency of transmission shape lifestyle strategies of mobile elements</i>
10:25-10:55	Meike Wortel - <i>Ecological effects on the evolution of cefotaxime resistance in Escherichia coli</i>
10:55-11:10	Maarten de Jong - <i>Dynamic Modelling and Optimization of Intercrop Systems</i>
11:10-11:30	Tea/coffee
11:30-11:45	Martijn de Jong - <i>Irregular boundary between in silico sinoatrial and atrial cells affects propagation</i>
11:45-12:00	Oscar Jordan - <i>Modeling plant root tropism interactions</i>
12:00-12:15	Alvaro Roperro - <i>SCAMPI: A Shrimp Odyssey</i>
12:15-12:30	Quirine Braat - <i>Cluster formation of active cells at the onset of cancer metastasis</i>
12:30-13:30	Lunch
13:30-14:00	Inge Wortel - <i>Listeria motility increases the efficiency of epithelial invasion during intestinal infection</i>
14:00-14:25	Honorary member induction ceremony
14:30-14:50	Tea/coffee
14:50-15:30	Guillaume Beslon - <i>Spontaneous regulation of non-coding sequences through border effect duplications neutrality bias</i>
15:30-15:45	Presentation prize, closing ceremony