

# Programme NVTB School meeting 2022

Tuesday, 7th of June 2022

10:00-10:35	Registration
10:35-10:45	Opening statements
10:45-11:40	Like Fokkens - <i>Genome organization in F. oxysporum: mix and match of accessory chromosomes</i>
11:40-12:10	Airpit Swain - <i>Effect of cellular aging on T-cell homeostasis</i>
12:10-12:25	David Versluis - <i>2'-Fucosyllactose stimulates butyrate production through crossfeeding in a multiscale spatiotemporal infant gut model</i>
12:30-13:30	Lunch
13:30-13:45	Jana Riederer - <i>Capturing the facets of evolvability in a mechanistic framework</i>
13:45-14:00	Martijn de Jong - <i>Modeling critical conditions for re-entry loops in cardiac tissues</i>
14:00-14:30	Tessa Vergroesen - <i>Falsifying computational models of angiogenesis through quantitative comparison with in vitro endothelial cell networks</i>
14:30-15:00	Tea/Coffee break
15:00-15:30	Debabrata Panja - <i>Reducing societal impacts of SARS-CoV-2 interventions through subnational implementation</i>
15:30-16:00	Sjors Stouten - <i>The relationship between SARS-CoV-2 viral loads in wastewater and disease prevalence</i>
16:00-16:15	Boris Schmid - <i>An introduction on 5,000 years of plague, and the conditions that (still!) facilitate its spillover into humans</i>
16:25-16:45	Honorary Member induction ceremony
16:45-17:00	Theoretical biology paper of the year award ceremony
17:10-18:00	General Assembly
18:00-19:00	Dinner
19:15- ...	Walk to sea or perhaps getting lost in the dunes.

Wednesday, 8th of June 2022

8:30-9:30	Breakfast
9:30-10:25	Franjo Weissing - <i>Evolution of parental sex roles - Individual-based simulations versus analytical predictions</i>
10:25-10:40	Jia Zheng - <i>Effects of season length and uniparental care efficiency on the evolution of parental care</i>
10:40-10:55	Dajo Boog - <i>The effects of sex-biased mortality on the evolution of biparental care</i>
10:55-11:30	Tea/coffee
11:30-11:45	Ines Marguerite Daras - <i>Plasmid dynamics in the context of resource competition</i>
12:00-12:15	Jasper Croll - <i>The ecology and evolution of growth curve plasticity in structured populations</i>
12:15-12:30	Laurens Kraai - <i>Bridging Population Dynamics and Single Cell Stochasticity</i>
12:30-13:30	Lunch
13:30-13:45	Erika Tsingos - <i>Modelling mechanical interactions between cells and fibrous extracellular matrices using hybrid cellular Potts and molecular dynamics methods</i>
13:45-14:00	Stefano Tiso - <i>Finding a mutational switch: A simple model for the evolution of a bias towards adaptive mutations</i>
14:00-14:30	Sam von der Dunk - <i>Evolution of Cell-Cycle Coordination During Endosymbiosis</i>
14:30-15:00	Tea/coffee
15:00-15:15	Presentation prize & closing ceremony