



Symposium 'Ecology and Evolution of the microbiome'

Monday 5 and Tuesday 6 December 2022
KU Leuven Kulak, E. Sabbelaan 53, 8500 Kortrijk

Register here
kulak.kuleuven.be/ambassadorschair2022

Program

Monday 5 December

- **13:00 – 13:15 Introduction to Symposium by H el ene Morlon**
- **13:15 – 16:00 Afternoon Session 1**
 - **13:15 – 13:45 talk 1** Dieter Ebert – UBasel “Antagonistic coevolution across scales: “Does the now explain the past?”
 - **13:45 – 14:15 talk 2** Ellen Decaestecker – KU Leuven (Kulak) “Eco-evo interactions in the host microbiome: Daphnia as a model”
 - **14:15 – 14:45 talk 3** Fran ois Massol- ULille, “Network methods to understand host-microbiota interactions: two illustrations”
 - **14:45 – 15:15 talk 4** Adam Petrusek – Charles University Prague “Cryptic host species and microbiomes along anthropogenic stress gradients: a project kick-off on the Gammarus fossarum complex”
- **15:15 – 15:45 Coffee break**
- **15:45 – 17:15 Afternoon Session 2**
 - **15:45 – 16:15 talk 1** Flore Z el e – ISEM Montpellier “How do hosts evolve in response to Wolbachia-induced cytoplasmic incompatibility? Insight from experimental evolution.”
 - **16:15 – 16:45 talk 2** Nicky Wybouw – UGent “Interacting host modifier systems control Wolbachia-induced cytoplasmic incompatibility in a haplodiploid mite”
 - **16:45 – 17:15 talk 3** tbc
- Short break
- **17:30 – 18:00 talk 4** Karoline Faust – KU Leuven “Lessons from synthetic human gut communities”
- **18:00 – 18:30 talk 5** Stijn Wittouck– UA “Ecology of lactobacilli in the human host: key role for our reproduction”
- **18:30 – Dinner with discussion (for speakers only)**

Tuesday 6 December

- **09:00 - 11:40 Morning session 1**

- **9:00 – 9:30 talk 1** Yannis Michalakis – MIVEGEC Montpellier “Living with a scattered genome: How multipartite viruses may resolve the cost of genomic integrity maintenance upon host-to-host transmission”
 - **9:30 – 10:00 talk 2** Jelle Matthijnsens – KU Leuven “Bidirectional interactions between arboviruses and the bacterial and viral microbiota in *Aedes aegypti* and *Culex quinquefasciatus*”
 - **10:00 – 10.30 talk 3** Karen Bisschop– KU Leuven-Kulak/UGent “Microbiome heritability and its role in adaptation of hosts to novel resources”
- Short Coffee break
 - **10:40 – 11:10 talk 4** - Olivier Declerck/Willem Stock/Luna van der Loos - UGent “Advancing our understanding of seaweed biology through microbiome research”
 - **11:10-11:40 talk 5** Kathrin Busch – Geomar Kiel “Biodiversity of deep-sea sponge microbiomes in the ecosystem context”
 - Short Coffee break
 - **11:50-13:20 Morning session 2**
 - **11:50 – 12:20 talk 1** Benoit Perez-Lamarque & Guilhem Sommeria-Klein– ENS Paris “Modeling the evolution of the microbiota during host diversification.”
 - **12:20 – 12:50 talk 2** Bert Van Boxclaeer – ULille “Environmental studies of Afrotropical gastropod populations and associated host-parasite interactions”
 - **12:50 – 13:20 talk 3** Ruben Schols – KMMA Tervuren “The tripartite interaction between snail host, trematode community and the microbiome”
 - **13:20 - 15:00 Lunch (buffet style) with discussions in hall B**



About the Chairholder

Dr. H el ene Morlon is a CNRS research director at the Institute of Biology of the Ecole Normale Sup erieure in Paris. H el ene is broadly interested in biodiversity research. Her research focuses on describing and understanding large scale biodiversity patterns. She has two main specificities: the first stems from her background in mathematics, which allows her to combine approaches from mathematics, statistical inference, computational biology, ecology and evolution to tackle fundamental macroecological and macroevolutionary questions; the second stems from her efforts to apply the approaches she developed across systems, from macro- to microorganisms, and from terrestrial to marine ecosystems.



free of charge, but registration is required.
More information and registration: kulak.kuleuven.be/ambassadorschair2022

In cooperation with the FWO research network EVENET.



*Bij vragen i.v.m. de toegankelijkheid contacteer ons via kulak.info@kuleuven.be.
Raadpleeg ook de [KU Leuven Access Guide](#).*

Je profiel aanpassen - Uitschrijven