

Arenberg Doctoral School - PhD course

Frontiers in Evolutionary Biology (G0A00A)

May-June 2022

Three mini-symposia on current developments

Tuesday 31st May 2022: *Microbes: Heterogeneity, evolution and metabolism*

13:30 - 14:00 h: Tom Wenseleers (Department of Biology, KU Leuven, Leuven, B) - *The evolution of microbial persistence and resistance.*

14:00 - 15:00 h: Sander van Doorn (Groningen Institute for Evolutionary Life Sciences, University of Groningen, NL) - *Adaptive metabolic plasticity in consumer-resource models of microbial community dynamics.*

15:00 - 16:00 h: Mattia Zampieri (Institute of Molecular Systems Biology, ETH Zürich, Zürich, CH) - *Exploring metabolic heterogeneity to find new antibacterial strategies.*

16:30 h: coffee

Location: Auditorium De Molen (Room 00.07), Kasteelpark Arenberg 50, B-3001 Heverlee

Coordinator: Tom Wenseleers (@kuleuven.be)

Note : Registration is obligatory at <https://vib.formstack.com/forms/minisymposium>.

Friday 3rd June 2022: *Global change in marine ecosystems*

09:00 - 09:50 h: Hauke Flores (Alfred Wegener Institute for Polar Research, Bremerhaven, D) - *Icy hollows.*

10:00 - 10:50 h: Toril Johansen (Institute of Marine Research, Tromsø, N) – *Fisheries management in a changing Arctic Ocean with some genetic perspectives.*

11: 00 - 11:50 h: Emmanuel Hanert (Earth and Life Institute & Institute of Mechanics, Materials and Civil Engineering, UC Louvain, Louvain-la-Neuve, B) - *Changing coral and stone crab connectivity in a warming ocean.*

12:00 - 13:00 h: sandwich lunch.

Location: Auditorium Kolenmuseum (Room 00.04), Ch. Deberiotstraat 32, B-3000 Leuven

Coordinator: Filip Volckaert (@kuleuven.be)

Friday 24th June 2022: *One Health - of humans, animals and environment*

14:00 - 14:50 h: Tine Huyse (Royal Museum for Central Africa, Tervuren, B) - *Of flukes, wild animals and humans.*

15:00 - 15:50 h: Emmanuel André (Laboratory of Clinical Microbiology, KU Leuven, Leuven, B) - *The Anthropocene: an incubator of emerging infectious diseases.*

16:00 - 16:50 h: Raf Aerts (Sciensano, Brussels, and Biodiversity and Health, KU Leuven, Leuven, B) - *Green space and biodiversity in relation to health: assessing the impact on the Belgian population.*

16:50 - 18:00 h: reception.

Location: Auditorium Kolenmuseum (Room 00.04), Ch. Deberiotstraat 32, B-3000 Leuven

Coordinator: Filip Volckaert (@kuleuven.be)

PhD students taking the course for (3 ECTS) credits register with filip.volckaert@kuleuven.be for access to the Toledo teaching platform asap and at the latest by 27 May 2022 noon.

Organised in collaboration with the Arenberg Doctoral School, the Flemish Community and FWO research network EVENET - <http://www.ecology.ugent.be/evenet>