

REPORT ISME FUNDING – NLSEB 23 April 2024, Ede, the Netherlands

We are grateful for the ISME funding sponsoring the 6th meeting of the Netherlands Society for Evolutionary Biology (NLSEB) at Akoesticum, Ede, the Netherlands.

This meeting brought together around 100 evolutionary biologists mainly working in the Netherlands. Keynote speakers were Liliana d’Alba (Naturalis), Tom Shimizu (AMOLF) and Rosemary Gillespie (UC Berkley). In addition, there were parallel sessions with 18 contributed talks and an invited talk by the winner of the NL Evo Biology prize, Shixiong Cheng (Leiden University). The Netherlands has an active research area that combines microbial ecology and evolution. This was also visible at the meeting, where 6 of 22 talks and 10 of 23 posters were related to microbes. The printed program is attached to this report.

500 euro of ISME funding was used to sponsor part of the costs related to the venue, rent of poster boards, and sound and vision equipment. The ISME sponsoring was visible on the printed program (attached to this report), on the online abstract book (<https://me-qr.com/mobile/pdf/21777376>) and on the website (<https://www.nlseb.nl/nlseb-meeting-2024>).

Notes



Netherlands Society for Evolutionary Biology

2024 CONFERENCE

Tuesday, 23 April 2024
Akoesticum, Ede

Program Booklet

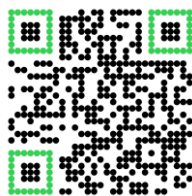
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Organizing committee: *Vasilis Kokkoris, Anne Kupczok, Renske Onstein, Melissah Rowe, & Sijmen Schoustra*

Program Tuesday, 23 April 2024

- 8:45** Arrival with coffee/tea
- 9:15** Welcome & Introduction, Auditorium
- 9:25** **Keynote 1: Liliana d'Alba** (Naturalis) *"In Living Color: Evolutionary Insights into the Ecology of Animal Chromatic Patterns"*, Auditorium
- 09:55** **Keynote 2: Tom Shimizu** (AMOLF) *"Traveling-wave strategy for plant-mycorrhizal trade"*, Auditorium
- 10:30** Coffee/tea break
- 11:00** **Parallel sessions** with contributed talks
I Auditorium
II Tuinzaal
- 12:15** Lunch with network opportunities
- 13:30** **Keynote 3: Rosemary Gillespie** (Berkeley) *"Biodiversity & Belonging: Eco-evolutionary Dynamics Across an Island Chronosequence"*, Auditorium
- 14:00** NL Evo Biology 2023 prize winner, Auditorium
- 14:20** Coffee/tea break
- 14:50** **Parallel session** with contributed talks
III Auditorium
IV Tuinzaal
- 15:50** General Assembly, Tuinzaal
- 16:30** **Cultural Intermezzo** – FRAME by 'DansBlok', Auditorium
- 17:10** Poster session, Tuinzaal
- 18:30** Poster Prize winner & Closing remarks, Tuinzaal
- 18:35** Dinner



For the abstract book scan this QR code:

Parallel sessions

Session I & III Auditorium

Macro-Evolution

- 11:00** **Carne Blanco Gavalda** Niche conservatism prevails in repeated long-distance colonization of Madagascar mountains by the genus *Helichrysum*
- 11:15** **Jeremy Miller** Global Patterns in Spider Occurrence Data: Monitoring Cryptic Fauna in an Era of Human Observations Networks and Computer Vision Models
- 11:30** **Dieder de Frens** The repeated evolution of dispersal syndromes during angiosperm evolution
- 11:45** **Niladri Mondal** Genome and body size diversity of the fishes using comparative phylogenetic methods:
- 12:00** **Luiz Jardim de Queiroz** Fish species–area relationships in the 'archipelago' of perialpine lakes amidst species extinctions and introductions

Genetics(omics) & Evolution

- 14:50** **Hannah Dugdale** Single-generation fitness proxies as predictors of long-term genetic contributions in a cooperatively breeding bird
- 15:05** **Rachael Cargill** The Arbuscular Mycorrhizal Fungal Cell Atlas
- 15:20** **Severin Uebbing** Evolutionary innovation in conserved regulatory elements associated with developmental genes in mammals
- 15:35** **Toni Gossmann** Phylonomtomics uncovers diverse evolutionary trajectories of mitogenomic fossils buried in mammalian and avian genomes

Session II & IV Tuinzaal

Modeling Evolution

- Duur Aanen** Applying Weissman's germplasm theory to budding yeast
- Hanna ten Brink** Changing environmental conditions result in the sudden collapse of a recently formed species complex
- Marco Saltini** Complex life cycles, ecological context, and evolutionary diversification
- Jana Riederer** Sexual selection driven by direct benefits leads to the erosion of direct benefits
- Hilde Schneemann** A fitness landscape model captures the effects of ploidy on hybrid fitness

Ecology & Evolution

- Alanna Leale** Shifts and rebound in microbial community function following repeated introduction of a novel species
- Thomas Blankers** Uncertainty in selective regimes more than drift limits the predictability of evolution
- Euan Angus Young** The consequences of parental age on offspring fitness in humans
- Elise MJ Laetz** The Deadly Trio. How warming, acidification & deoxygenation destabilize the animal / algae symbiosis