

Program

Monday, 17th of July

Speakers on-site, Speakers online

9:00-9:05 Welcome message

Basic biology

9:05-9:45 **Keynote speaker - Masami Nakazawa**
Anaerobic Respiration Coupled with Wax Ester Production in Euglena gracilis

9:45-10:05 **Michael Hammond**
Spatial proteomic analysis of the non-photosynthetic Euglena longa

10:05-10:25 **Paweł Hałakuc**
Automatic annotation of nonconventional introns as a necessary step in the analysis of Euglena genomes

10:25-10:40 Coffee break

10:40-11:00 **Juraj Krajčovič**
Representatives of Euglenozoa and cyanobacteria as models to study calpain enzymes

11:00-11:20 **Andrej Jedlička**
Unraveling meiotic genes in Euglena gracilis: Insights into protist evolution

11:20-11:40 **Metody Hollender**
Euglenophyceae members are hosts for a new group of Legionellales bacteria

12:00-13:30 Lunch

Ecology and environment

13:30-14:10 **Keynote speaker - Josef Jurán**
Euglenoids' distribution: from local to global scale

14:10-14:30 **Alicja Fells**
When biology walks into a bar – or metabarcoding studies of Euglenophyceae loricate taxa, Strombomonas and Trachelomonas

14:30-14:50 **Jaroslav Kubín**
Dependence of diversity of colorless euglenoids on environmental factors

14:50-15:20 Coffee break

15:20-15:40 **Chihana Toyokawa**
Exploring a resource-recycling food production system using Euglena gracilis

15:40-16:00 **Emma Kaszecki**
Assessing the roles of microbial partners in cadmium tolerance of an Euglena mutabilis co-culture

16:00-16:20 **Diana Lihanová**
Bacteria and fungi can supply Euglena gracilis with vitamins B1 and B12

16:20-16:40 **Sanet Janse van Vuuren**
Blooms of Euglena sanguinea in South Africa

16:40-16:50 EIN Science Committee Updates (Neil Hall, Michael Ginger, Paul Zimba)

16:50-17:00 EIN Annual General Meeting (Ellis O'Neil, Ross Low, ThankGod Ebenezer)

17:20 Organised transport to restaurant

19:00-22:00 Conference dinner (downtown)

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9:00-9:05 Announcements

Evolution

- 9:05-9:45 **Keynote speaker - Alastair Simpson**
Euglenid diversity and evolution; revealing the phagotrophic majority
- 9:45-10:05 **Gordon Lax**
*Molecular phylogenetics of the sessile phagotroph *Dolium sedentarium**
- 10:05-10:25 **Susanne Kramer**
Convergent evolution of mRNA decapping complexes in eukaryotes
- 10:25-11:00 Coffee break
- 11:00-11:20 **Jiří Pergner**
Unraveling the molecular mechanisms of plastid transcript 3' end modification in secondary plastids of euglenophytes
- 11:20-11:40 **Anežka Konupková**
*Green or white: Knock-in of HA-tags in plastid protein Derl-1 results in an unstable bleached phenotype of *Euglena gracilis**
- 11:40-12:00 **Ryo Harada**
Evolution and switching of mitochondrion-localized DNA polymerases in Euglenozoa
- 12:00-13:30 Lunch

Translation and Commercialisation

- 13:30-14:10 **Keynote speaker - Masahiro Hayashi**
*Heterotrophic high-density cultivation of *Euglena gracilis* to produce paramylon and its utilization as a raw material for some chemicals*
- 14:10-14:30 **Ricardo Neto**
Effects of a algae β -1,3-glucan on the incidence of tail biting in a finishing herd in France
- 14:30-14:50 **Kengo Suzuki**
*Exploring a resource-recycling food production system using *Euglena gracilis**
- 14:50-15:10 Coffee break
- 15:10-15:30 **Yuichiro Kashiya**
*Genetic transformation of *Rapaza viridis* and biochemical demonstration of its kleptoplast-targeted proteins*
- 15:30-15:50 **Ingmar Riedel-Kruse**
*Phototaxis regulation in *Euglena* - from dim to bright light*
- 15:50-16:10 **Ellis O'Neill**
*The complex chemistry of the alga *Euglena gracilis**
- 16:10-16:30 Talk contest, Wrap-up
- 16:30 Departures