

Workshop „*C. merolae* as an emerging model organism“

Freie Universität Berlin, Blütensaal of the Botanical Museum, Königin-Luise-Str. 6-8, 14195 Berlin

Monday, 8th of October

9:00 - 9:05 Welcome note, Daniel Schubert

Session 1: Developing *C. merolae* as a model system

9:05 – 10:00 Shin-ya Miyagishima with Takayuki Fujiwara and Shunsuke Hirooka, National Institute of Genetics, Mishima
Cyanidiales for interdisciplinary and international studies

10:00 – 10:45 Tomasz Krupnik, University of Warsaw
*Nuclear and chloroplast transformation of *C. merolae* via homologous recombination*

10:45 – 11:15 Coffee break in the foyer, ground floor

Session 2: Gene regulation in *C. merolae* and beyond

11:15 – 12:00 Martha Stark, UNBC Prince George
*Splicing regulation in *C. merolae**

12:00 – 12:45 Florian Heyd, Freie Universität Berlin
Splicing regulation through temperature-sensitive kinases: insights into an evolutionary conserved mechanism

12:45 – 13:45 lunch in the foyer, ground floor

13:45 – 14:30 Daniel Schubert, Freie Universität Berlin
*Chromatin regulation in *C. merolae**

Session 3: Environmental adaptation and photosynthesis in *C. merolae*

14:30 – 15:15 Stephen Rader, UNBC Prince George
*Stress responses in *C. merolae**

15:15– 15:45 Coffee break

15:45 – 16:30 Kan Tanaka, Tokyo Institute of Technology
*Light signaling pathways in *Cyanidioschyzon merolae**

16:30- 17:15 Ibrahim Halil Kavakli, Koc University
**C. merolae* as model organism to study blue-light photoreceptors*

17:15 – 18:00 Joanna Kargul, University of Warsaw
*Molecular mechanisms of photoadaptation of the photosynthetic apparatus in *C. merolae*.*

Tuesday, 9th of October

Session 3: Environmental adaptation and photosynthesis in *C. merolae* (continued)

9:00 – 9:45 Michael Hippler, Westfälische Wilhelms Universität Münster
Remodeling of photosystem I and its associated light-harvesting proteins

Session 4: Evolution and emerging model systems

9:45 – 10:30 Andreas Weber, Heinrich-Heine-Universität Düsseldorf
Comparative genomics of Cyanidiales

10:30 – 11:00 Coffee break

11:00 – 11:45 Claudia Ciniglia, University of Campania
The polyextremophilic Cyanidiophytina (Rhodophyta): state of art in taxonomy, phylogeny and biotechnology

11:45 – 12:30 Imke Lang, Hochschule Bremerhaven
Cyanidiales - from a Biotechnology Perspective

12:30 – 13:30 lunch

13:30 – 14:15 Thomas Leya, Fraunhofer-Institute for Cell Therapy and Immunology
Psychrophilic snow algae: Model organisms for drought and salt stress

14:15 – 15:00 Chris Bowler, Institut de Biologie de l'École Normale Supérieure Paris
Experimental models from diatoms and new insights from Tara Oceans

15:00 - 15:15 Closing remarks and discussion

15:15 - 15:45 Coffee break