Schedule

Monday, 26.09.2022

12:00 PM – 01:45 PM	Registration
01:15 PM – 01:45 PM	**Coffee break**
01:45 PM – 02:00 PM	Welcome remarks ***Stephan Klähn***

Session I, Regulation & Physiology, Chair: Adrian Tüllinghoff	
02:00 PM - 03:00 PM	***Jan Červený*** *Evolutionary AI approaches for optimization of cyanobacterial production*
03:00 PM – 03.15 PM	Mara Reis *Hmx1 and Hmx2 function as manganese importer in cyanobacteria*
03:15 PM – 03:30 PM	Vendula Krynická *FtsH4 protease controls biogenesis of cyanobacterial photosynthetic complexes by modulating the level of Hlips*
03:30 PM – 03:45 PM	**Coffee break**
03:45 PM – 04:00 PM	Raphael Bilger *Characterization of Type III CRISPR-Cas systems in the cyanobacterium Synechocystis sp. PCC 6803*
04:00 PM – 04:15 PM	Luisa Hemm *Identification of RNA-based interactions and regulation in the cyanobacterial model Synechocystis sp. PCC 6803*
04:15 PM – 04:30 PM	Alexander Kraus *NirR1 is a small protein that controls nitrite-to-ammonium reduction in cyanobacteria*
04:30 PM – 04:45 PM	Sofia Doello *Regulatory phosphorylation event of Phosphoglucomutase 1 tunes its activity to regulate glycogen metabolism*
04:45 PM – 05:00 PM	Lutz Berwanger *Self-sustained rhythmic behavior of Synechocystis sp. PCC 6803 under continuous light conditions*
05:00 PM - 06:30 PM	**Poster session I**

Tuesday, 27.09.2022

08:45 AM – 09:00 AM	**Coffee break**
Session II, Ecology meets Technology, Chair: Franz Opel	
09:00 AM – 10:00 AM	***Pia Lindberg*** *Cyanobacteria as green cell factories*
10:00 AM – 10:15 AM	Manuel Brenes-Álvarez *Regulatory RNAs involved in heterocyst differentiation*
10:15 AM – 10:30 AM	Vera M. Selinger *Thylakoid membrane rearrangement during far-red light photoacclimation and reacclimation to white light*
10:30 AM – 10:45 AM	**Coffee break**
10:45 AM – 11:00 AM	Marius Lasse Theune *The importance of light-dependent Calvin–Benson–Bassham cycle regulation by CP12 and its in vivo dynamics in Synechocystis sp. PCC 6803*
11:00 AM – 11:15 AM	Mariano Santoro *Blooms in the Baltic Sea: insights into limiting nutrients acclimation strategies of toxic diazotrophic cyanobacteria*
11:15 AM – 11:30 AM	Rubén Morón Asensio *Localization and duration of the synthesis of chemically-modified microcystins/bioactive peptides in the bloom-forming cyanobacteria Microcystis aeruginosa and Planktothrix agardhii*
11:30 AM – 01:00 PM	**Poster session II**
01:00 PM – 01:45 PM	**Lunch break, drinks incl. coffee**
01:45 PM – 04:00 PM	Social program
Session III, Ecology meets Technology, Chair: Mahir Bozan	
04:00 PM – 05:00 PM	***Katja Bühler*** *Friend or Foe? Biofilms in (Photo)-biotechnology*
05:00 PM – 05:15 PM	**Coffee break**
05:15 PM – 05:30 PM	Rhuana Médice *Characterization and bioprospecting of cyanobacterial biomass in Brazilian water reservoir aiming at their biotechnological potential*
05:30 PM – 05:45 PM	Karishma Kundu *Valorization of Toxic Cyanobacteria- Boosting Siderophore Production*
05:45 PM – 06:00 PM	Giovanni Davide Barone *Towards the rate limit of heterologous biotechnological reactions in recombinant cyanobacteria*
06:00 PM – 06:15 PM	Arca Yilmaz *Exploration of the Effects of Culture Media Modification on Hydrogen Production by Synechocystis sp. ATCC 27184*
06:15 PM - open	***Group picture, open poster session, and get-together!***

Wednesday, 28.09.2022

Session IV, Online session, Chair: Hannah Berreth	
08:45 AM – 09:45 AM	***Nir Keren*** *Photosynthetic energy conversion in aquatic systems - the phycobilisomes test case*
09:45 AM – 10:00 AM	**Coffee break**
Session V, Career planning, Chairs: Fabian Brandenburg, Sara Lupacchini	
10:00 AM – 11:30 AM	*Andreas Vogel (c-LEcta GmbH)* *Katja Bühler (UFZ)* *Lars Bähr (CellDEG GmbH)* *Lydia Woiterski & Milina Rochelle Alber (UFZ Technology Transfer Office)* *Sven Pfeifer (German Environment Agency)*
11:30 AM – 12:00 AM	Open discussion
12:00 AM – 12:20 PM	**Concluding remarks & poster prizes**