Schedule of Events

THURSDAY
16-June

Time	Event	Location/Title
3:00-7:00 pm	Registration and check-in	Union Ballroom/Bailey Hall
7:00-7:15 pm	Welcome and announcements	Union Ballroom
7:15-8:00 pm	**Keynote Lecture 1 - Pia Lindberg**	***METABOLIC ENGINEERING OF CYANOBACTERIA FOR PRODUCTION OF SOLAR FUELS AND CHEMICALS***
8:00-9:30 pm	Reception and Poster session 1 (odd posters present)	Union: Huron Room and Erie

FRIDAY
17-June

7:00-8:30 am	Breakfast	Brody Complex Dining Hall
8:30-9:15 am	**Keynote Lecture 2 - Luning Liu**	Union Ballroom
9:15-10:30 am	Session I	Union Ballroom
9:15-9:40	*Zavřel, Tomáš*	*LIGHT QUALITY AND QUANTITY TRIGER SYSTEM-WIDE RESOURCE ALLOCATION SHIFTS IN CYANOBACTERIA*
9:40-10:05	*Schwarz, Rakefet*	*CELL SPECIALIZATION AND QUORUM DEPENDENT INTERCELLULAR COMMUNICATION UNDERLY SYNECHOCOCCUS ELONGATUS BIOFILM DEVELOPMENT*
10:05-10:30	*Santos Merino, María*	*IDENTIFICATION OF A TWO-COMPONENT SIGNALING NETWORK IMPLICATED IN CARBON BALANCING IN Synechococcus elongatus PCC 7942*
10:30-11:00 a	Group photo & coffee break	Union Ballroom
11:00 -12:15 p	Session I continues	Union Ballroom
11:00-11:25	*López-Maury, Luis*	*A PROTEASE- MEDIATED MECHANISM REGULATES THE CYTOCHROME C6/ PLASTOCYANIN SWITCH IN CYANOBACTERIA*
11:25-11:50	*Bishe, Bryan*	*Short days and fast nights: cyanobacteria in the light of low-Earth orbit*
11:50-12:15	*Madhu, Swati*	*DEVELOPMENT OF GENETIC TOOLS FOR CYANOBACTERIUM SYNECHOCOCCUS ELONGATUS PCC 11801 TO CONTROL THE GENE EXPRESSION FOR THE PRODUCTION OF PLATFORM CHEMICALS*
12:15-1:45pm	Lunch - Boxed lunch	Union Ballroom
	Networking lunch - Early Career scientists roundtable discussion	
2:00-4:15:	Planned outings & Social events *- Cyclotron Facility* *- Broad Art Museum* *- Beal Gardens*	*See "Other Workshop Activities and Events" for further details on social trips.*
4:30-6:00	Dinner	Broady Complex Dining Hall

6:00-8:15	Session II	
6:00-6:25	*Moore, Lisa*	*CURATED SYNECHOCOCCUS AND PROCHLOROCOCCUS PATHWAY/GENOME DATABASES AT BIOCYC.ORG*
6:25-6:50	*Ulrich, Nikea*	*DIVERSIFICATION OF THE NOVEL CHLOROPHYLL D-BASED PHOTOSYNTHETIC LIGHT-HARVESTING APPARATUS*
6:50-7:15	*Melnicki, Matthew R.*	*Divergent evolutionary relationships between alpha and beta carboxysome shell proteins*
7:15-7:40	*Capovilla, Giovanna*	*Exploring chitinase activity in marine Synechoccoccus*
7:40-8:05	*Dahlgren, Kelsey*	*DEFINING THE SPATIAL COMPARTMENTALOME OF THE CYANOBACTERIUM SYNECHOCOCCUS SP. PCC 7002 USING PROXIMITY-BASED PROTEOMICS*
8:00-9:45 pm	Reception and Poster session 2	Union: Huron Room and Erie
SATURDAY 18-June		
7:00-8:30 am	Breakfast	Brody Complex Dining Hall
8:30-9:15 am	**Keynote Lecture 3 - Devaki Bhaya**	Union Ballroom
9:15-10:30 am	Session III	Union Ballroom
9:15-9:40	*Hubáček, Michal*	*EFFECT OF ELECTRON SINK ENGINEERING ON PHOTOSYNTHETIC APPARATUS IN SYNECHOCYSTIS SP. PCC 6803*
9:40-10:05	*Lupacchini, Sara*	*FUNCTIONAL OXYGEN-TOLERANT RALSTONIA HYDROGENASE IN SYNECHOCYSTIS – CHALLENGES AND POSSIBLE SOLUTIONS*
10:05-10:30	*Lindblad, Peter*	*Generation of a functional, semisynthetic [FeFe]-hydrogenase with stable expression and H2 production capacity in cyanobacteria*
10:30-11:00	Coffee Break	Union Ballroom
9:15-10:30 am	Session III continues	Union Ballroom
11:00-11:25	*Wang, Bo*	*Global Metabolic Rewiring in a Sucrose-producing Cyanobacterial Strain Assessed by 13C Flux Analysis and Genome-scale Modeling*
11:25-11:50	*Long, Bin*	*Machine Learning-Informed and Synthetic Biology-Enabled Semi-Continuous Algal Cultivation to Unleash Renewable Fuel Productivity*
11:50-12:15	*Vermaas, Wim*	*CULTIVATING CYANOBACTERIA MORE EFFICIENTLY USING CO2 FROM AIR*
12:15-1:45pm	Lunch - Boxed lunch	Union Ballroom
	Networking lunch - Bioinformatics roundtable discussion	
1:45-3:15 p	Session IV	Union Ballroom
1:45-2:10	*Kurkela, Juha*	*ANTI-SIGMA FACTOR ANTAGONIST (SSR1600) INVOLVED IN GROWTH REGULATION OF SYNECHOCYSTIS SP. PCC 6803 ACCORDING TO CO2*
2:10-2:35	*Prakash, Jogadhenu*	*A MEMBRANE-BOUND cAMP RECEPTOR PROTEIN, SYCRP1 MEDIATES INORGANIC CARBON RESPONSE IN SYNECHOCYSTIS SP. PCC 6803*
2:35-2:50	*Jett, Clark*	*Structure Function Studies of the Ndh4 Protein of the CO_2 Uptake Mechanism in Synechococcus elongatus PCC 7942*
2:50-3:15	*Hoang, Y*	*RECONSTITUTION OF THE MAINTENANCE OF CARBOXYSOME DISTRIBUTION SYSTEM IN ESCHERICHIA COLI*
3:15-3:45	Coffee Break	Union Ballroom
3:45-4:30	**Keynote Lecture 4 - Jeff Cameron**	***VISUALIZING THE BIOGENESIS OF A CYANOBACTERIUM***
4:30-6:00	Poster session (all)	Union: Huron Room and Erie (*take down posters at end of session*)
	BioCyc Demo	Union: North Engagement Center. Concurrent with final poster session join Lisa Moore for a demonstration of BioCyc features.

6:00-6:30	Travel to dinner venue	
6:30-9:30	Dinner and social hour	Kellogg Center

SUNDAY
19-JUNE

7:00-8:30 am	Breakfast	Brody Complex Dining Hall
8:30-9:15 am	Honoring Peter Wolk	Union Ballroom
9:15-10:55	Session V	Union Ballroom
9:15-9:40	*Zhou, Ruanbao*	*Genetic Transformation of Anabaena Cylindrica Provides New Insights into Differentiation and Function of Three Distinct Cell Types: Tapered Cells, Heterocysts, and Akinetes*
9:40-10:05	*Gu, Liping*	*Carboxysome formation and degradation during heterocyst development*
10:05-10:40	Coffee Break	Union Ballroom
10:40-11:05	*Taton, Arnaud*	*HETEROLOGOUS EXPRESSION IN ANABAENA OF THE CRYPTOMALDAMIDE AND COLUMBAMIDE BIOSYNTHETIC PATHWAYS FROM MOORENA*
11:05-11:30	*Meeks, Jack*	*What does the Transcriptome of Symbiotic Nostoc punctiforme in Association with Anthoceros punctatus reveal about its Symbiotic Growth State?*
11:30-noon:	Awards for talks/posters, announcement of next meeting, and wrap-up	
12:00-1:30 pm	Check out, departure, and transport options	
	Poster take-down	