Day 1 - Monday 20 October		
	NPC	NAS
Day 1 20/10 Session 1: NPC	Structure and function of photosynthetic complexes	
13:00-13:15	Welcome Address	
13:15-14:00	Invited international Roberta Croce, Vrije Universiteit Amsterdam, The Netherlands: Photosynthesis in the far-red: from cyanobacteria to plants	
14:00-14:30	Nordic invited  Wolfgang Schröder, Umeaa University, Sweden: Arabidopsis PSII as seen by Cryo-EM	
14:30-15:00	Nordic invited Alexey Amunts, The Max Planck Institute of Molecular Physiology, Dortmund, and Univ. of Münster, Germany (EMBO Young Investigator Lecture): Integrated structural biology reveals unprecedented plasticity in Photosystem I	
15:00-15:30	Coffee	
15:30-16:00	Nordic invited  Fikret Mamedov, Uppsala University, Sweden: Long-range donor-acceptor side interactions in Photosystem II	
16:00-16:25	Selected from abstract	
16:25-16:50	Selected from abstract	
16:50-17:15	Selected from abstract	
17:15-18:30	Posters - NPC	
19:00	Dinner	

Day 2 - Tuesday 21 October		
	NPC	NAS
Day 2 21/10 Session 2		
8:30-9:25	Invited - International  Jonathan Zehr, University of California, Santa Cruz, USA:  The marine algal nitroplast UCYN-A: ecology, evolution and implications for the future	
9:25-9:55	Invited - Nordic  Susan Løvstad Holdt, DTU, Technical University of Denmark:  Challenges and opportunities in advancing seaweed as a compliant, nutritious, and  scalable food source for Europe	
9:55-10:15	Photon Syster	m Instruments
10:15-10:45	Coffee	
Session 2 – NPC – NAS	Regulation of photosynthesis	Current capacity and needs for algae in the Nordic region
10:45-11:15	Nordic invited  Lauri Nikkanen, University of Turku,  Finland:  Dynamic regulation of the proton motive force in cyanobacteria	ТВА
11:15-11:45	Nordic invited  Dimitris Petroutsos, Uppsala University,  Sweden: Photoreceptor-mediated regulation of photosynthesis in green microalgae	Selected from abstract
11:45-12:00	Selected from abstract	Selected from abstract
12:00-13:00	Lui	nch
Session 3:		
13:00-13:45	Invited – International  Tomas Morosinotto, Università di Padova, Italy:  Balancing Photoprotection and Efficiency to Enhance Photosynthetic Productivity in  Algae and Plants	
13:45-14:15	Invited – Nordic  Johan Andersen-Ranberg, Univ. of Copenhagen, Denmark:  Identification and characterization of enzymes for biosynthesis of algae pigments	
14:15-14:30	Invited - Nordic  Kirsten Krause, UiT The Arctic University of Norway:  National education and infrastructure networks connect and unify plant and algae  research across Norway	

14:30-14:45	CLF Plant Climatics	
14:45-15:15	Coffee	
Session 3 NPC - NAS	Molecular basis of assembly, photoinhibition and repair	Algae based products
15:15-15:45	Nordic invited Simon Stael, The Swedish University of Agricultural Sciences, Uppsala, Sweden: Burning Glass Effect of Water Droplets Triggers a High Light-Induced Calcium Response in the Chloroplast Stroma	Nordic invited Cornelia Spetea Wiklund, University of Gothenburg, Sweden: SEAlgaePower - Sustainable development of microalgae-based ingredients using waste streams from aquaculture and seafood processing industry as feedstock
15:45-16:05	Selected from abstract	Selected from abstract
16:05-16:25	Selected from abstract	Selected from abstract
16:25-16:45	Selected from abstract	Selected from abstract
16:45-18:00	Poster session - NPC-NAS	
19:00	Dinner	

Day 3 - Wednesday 22 October		
	NPC	NAS
Day 3 22/10 Session 4		
8:30-9:15	Invited - International  Maria Barbosa, Wageningen University & Research, The Netherlands: TBA	
9:15-9:45	Invited – Nordic  Pia Lindberg, Uppsala University, Sweden:  Engineering cyanobacteria for sustainable production of solar chemicals and fuels	
9:45-10:00	TE	ВА
10:00-10:30	Coffee	
Session 4 – NPC – NAS	Light harvesting	Algae engineering
10:30-11:00	Invited  Dario Leister, Ludwig-Maximilians- University Munich, Germany: Adaptive evolution in fluctuating light	Nordic – invited  Pauli Kallio, University of Turku:  Approaches to cyanobacterial pathway optimization via combinatorial engineering
11:00-11:20	Selected from abstract	Selected from abstract
11:20-11:40	Selected from abstract	Selected from abstract
11:40-12:00	Selected from abstract	Selected from abstract
12:00-13:00	Lunch	
Session 5:		
13:00-13:45	Invited - International  Christiane Raines, University of Essex, UK:  Engineering photosynthetic carbon fixation for crop improvement	
13:45-14:15	Invited – Nordic  Armando F J Perez Cueto Eulert, Umeaa University, Sweden:  TBA	
14:15-14:30	Selected from abstract	
14:30-15:00	Coffee	
Session 5 – NPC-NAS	Improving and utilizing photosynthesis	Algae biotechnology

15:00-15:30	Nordic invited  Cecilia Blikstad, Uppsala University, Sweden:  Encapsulation and regulation of carboxysomal carbonic anhydrases	Nordic invited  Luca Morelli, University of Southern  Denmark:  Decoding and rewiring Phaeodactylum  tricornutum metabolism for high-value  compound production.
15:30-16:00	Selected from abstract	Nordic invited  Tore Brembu, Norwegian University of Science and Technology, Norway: Investigating fundamental features of cell wall biomineralization in the large diatom Coscinodiscus
16:00-16:20	Selected from abstract	Selected from abstract
16:20-16:40	Selected from abstract	Selected from abstract
16:45-18:00	Poster session – NPC-NAS	
19:00	Conference Dinner	

Day 4 - Thursday 23 October		
	NPC	NAS
Day 4 23/10 Session 6:		
8:30-9:15	Invited – International  Vitor Verdelho, European Algae Biomass Association / CEO of Cell4Food, Portugal:  Beyond conventional algae applications: cellular agriculture	
9:15-9:45	Invited - Nordic  Joan Albert Porcar-Castell, Univ. of Helsinki, Finland:  The quest to characterize the optical expression of photosynthesis under field conditions	
9:45-10:00	Selected from abstract	
10:00-10:30	Coffee	
Session 6 - NPC - NAS	New methods	Algae biorefining
10:30-11:00	Nordic – Invited  Mikko Tikkanen, University of Turku:  Minibiosphere and technologies for optimizing indoor farming	Christiane Funk, Umeaa University, Sweden: Waste-2-Plastic: recycling of CO2, nitrogen, phosphorus and water for the production of bioplastic.
11:00-11:20	Selected from abstract	Selected from abstract
11:20-11:40	Selected from abstract	Selected from abstract
11:40-12:00	Selected from abstract	Selected from abstract
12:00-13:00	Lunch and Goodbye	