

Sunday 11.3.2018 - Arrival

13.00 -15.30	relax
14.30-15.30	relax
15.30-15.45	Schagerl M. & Holzinger A.
15.45-16.00	Brendel U.

Registration
coffee 'get together'
Welcome and Organisation
Information on 'Nationalpark Berchtesgaden'

Sunday 11.3.2018 - Polar Algae (chair U. Karsten)

16.00-16.10	Karsten U.	Introduction in the DFG priority Programm 'Antarctic Research'
16.10-16.30	Bartsch I. & Zacher K.	Winter survival capacity of microscopic Polar kelp stages
16.30-16.50	P Monteiro C., et al.	Short-term transcriptomic responses to temperature and salinity stress in sporophytes of the kelp <i>Saccharina latissima</i>
16.50-17.10	P Li H., et al.	Physiological and transcriptomic responses of <i>Saccharina latissima</i> from the Arctic to temperature and salinity stress
17.10-17.30	Lutz S., et al.	The diversity and functions of ice algal communities on the Greenland Ice Sheet
17.30-17.50	Remias D., et al.	<i>Ochromonas</i> sp. DR75b (Chrysochyceae) isolated from alpine snow: physiological and biochemical characterization
17.50-18.10	Schiller J., et al.	Heading northward to Scandinavia – <i>Undaria pinnatifida</i> in the northern Wadden Sea
18.30 - open end	relax	ice breaker and finger food followed by auction sale of phycological objects (auctinator C. Wilhelm)

Monday 12.3.2018 - Physiology (chair W. Bilger)

9.00-9.20	P Buck J., et al.	The role of the four Lhcx isoforms in photoprotection of the diatom <i>Phaeodactylum tricornutum</i>
9.20-9.40	P Dautermann O. & Lohr M.	Expansion of the Zeaxanthin Epoxidase-Family in Major Groups of Marine Algae
9.40-10.00	Diehl N., et al.	Stress metabolite pattern in the eulittoral red alga <i>Pyropia plicata</i> (Bangiales) in New Zealand
10.00-10.20	P Molchanova M., et al.	Generation of storage polysaccharides in diatoms
10.20-10.40	Pescheck F. & Bilger W.	Photoreactivation in green macroalgae
10.40-11.00	relax	coffe break
11.00-11.20	P Aigner S., et al.	Ecophysiological characterization and abiotic stress tolerance of aquatic terrestrial and symbiotic <i>Chlorella</i> - (like) species
11.20-11.40	Procházková L., et al.	Ecophysiology and morphology the of snow alga <i>Chloromonas krienitzii</i> (Chlorophyceae) from the High Tatra Mountains
11.40-12.00	P Trumhová K., et al.	Effect of frost on viability of conjugating green alga <i>Zygnema</i> (Zygnematophyceae)
12.00-12.20	P Mundt F., et al.	The dark part of life– Gene expression and relevant physiology under darkness in <i>Cosmarium crenatum</i> (Desmidiaceae Streptophyta)
12.20-13.30	relax	lunch break

13.30-15.40

poster session followed & coffee

Monday 12.3.2018 - Biodiversity & Phylogeny (chair R. Jahn)

15.40-16.00	P	Steinhagen S., et al.	Conspecificity of the model organism <i>Ulva mutabilis</i> and the potential nuisance algae <i>Ulva compressa</i> (Ulvophyceae Chlorophyta)
16.00-16.20		Darienko T., et al.	Molecular phylogeny and genetic variability among endosymbiotic green algae of various ciliates revealed by multiple gene analyses and AFLP technique
16.20-16.40		Mikhailyuk T., et al.	New lineages of streptophyte algae (Streptophyta) from terrestrial habitats revealed by an integrative approach
16.40-17.00		Gottschling M., et al.	The importance of the epitype concept for reliable species determination in protists such as dinophytes
17.00-17.20	P	Mora D., et al.	Morphology and metabarcoding! A test with stream diatoms from Mexico highlights complementarity of identification methods
17.20-17.40		Skukan R., et al.	DNA Barcoding for assessing distribution patterns in cryptic seaweed species: the "Codium" case study in the Bay of Biscay Northeast Atlantic Ocean
17.40-18.00	A	Van A. T., et al.	Reconsidering the phylogenetic relationships of selected taxa within the Cymbellaceae (Bacillariophyta) with an integrative approach
18.00-19.00		relax	dinner
19.00-open end			general meeting of the members of the phycological society

Tuesday 13.3.2018 - Methods & Applied Phycology (chair P.Kroth)

9.00-9.20		Dunker S., et al.	Image-based flow cytometry as a new valuable tool in phytoplankton research
9.20-9.40	P	Madhuri S., et al.	A new strategy to complement AUREO 1a in TALEN knockout strains of <i>Phaeodactylum tricornutum</i>
9.40-10.00		Meichßner R., et al.	Aquaculture of <i>Fucus</i> - species in the Baltic Sea by means of vegetative reproduction
10.00-10.20		Sommer V., et al.	Restoration of potash spoil heaps by the establishment of biological soil crust algae
10.20-10.40		Jorde F., et al.	The Algae Crop Rotation principle as a potential basis for algae mass production
10.40-11.00		relax	coffee break

Tuesday 13.3.2018 - Algal Cell Biology (chair U. Lütz-Meindl)

11.00-11.20	A	Niedermeier M. & Lütz-Meindl U.	Crystal formation in the alga <i>Micrasterias</i> in response to strontium and barium stress
11.20-11.40	A	Steiner P., et al.	Stress induces mitochondrial fusion in the unicellular model alga <i>Micrasterias</i>
11.40-12.00	P	Absolonova M., et al.	Local pH changes on the surface of <i>Chara</i> and salinity response
12.00-12.20		Hoepflinger M. C., et al.	Chloroplasts of characean internodal cells divide when immobilized at the cell periphery
12.20-13.40		relax	lunch break

Tuesday 13.3.2018 - Ecology & Global Change (chair L. Benning)

13.40-14.00	P	Bozzato D., et al.	The Effect of Climate Change on the Carbon Balance in Microalgae
14.00-14.20	P	Bernard M., et al.	Deciphering kelp-endophyte interactions
14.20-14.40		Graiff A., et al.	Model simulation of seasonal growth of <i>Fucus vesiculosus</i> in its benthic community under different global change scenarios
14.40-15.00	A	Marquardt A., et al.	A first insight into the diversity of eukaryotic soil algae of alpine hummocky meadows
15.00-15.20		Sasso S., et al.	<i>Chlamydomonas reinhardtii</i> as a model system to study the interactions of microalgae with other microorganisms
15.20-15.50		relax	coffe break
15.50-18.30		relax	visit to the salt mines
18.30-open end		relax	conference dinner with award ceremonies of the Hans-Adolph von Stosch-Medal and student contributions

Wednesday 14.3.2018 - Physiology & Resources (chair D. Hanelt)

9.00-9.20		Mudimu O., et al.	Screening of microalgae and cyanobacteria strains for α -tocopherol content at different growth phases and the influence of nitrate reduction on α -tocopherol production
9.20-9.40		Pierangelini M., et al.	Early-branching terrestrial streptophytes respond differently to light changes but are similar in temperature requirement
9.40-10.00		Meier L., et al.	Genomic Insights into the Biosynthesis of Photoprotective Pigments in <i>Porphyra</i> : Carotenoids and Mycosporine-like Amino Acids
10.00-10.20		Kurmayer R., et al.	Toward an understanding of secondary metabolic diversity among algal bloom-forming cyanobacteria
10.20-10.40		Roach T., et al.	Managing light use efficiency in <i>Chlamydomonas reinhardtii</i>
10.40-11.00		relax	coffe break
11.00-11.20		Becker B. & Wollenschläger J.	Acetate Assimilation in <i>Chlamydomonas reinhardtii</i>
11.20-11.40		Río Bártulos C., et al.	Genome editing in the diatom <i>Phaeodactylum tricornutum</i> methods and applications
11.40-12.00		Lorenz M.	The Nagoya- Protocol - dos and don't s for phycologists
12.00-12.10		Schagerl M. & Holzinger A.	farewell

Monday 12.3.2018 - Poster contributions in alphabetical order

Abarca N., et al.	Integrative taxonomy: Defining the core group of the genus <i>Gomphonema</i> with molecular and morphological methods
Bilous O.P. & Ivanova N. O.	Description of the current state of phytoplankton in the reservoir Sasyk (Ukraine)
Buchholz C. M., et al.	Detection of parameters influencing isotopic composition in kelps

	Calvaruso C. & Büchel C.	Isolation of thylakoid subfractions containing PSII supercomplexes from <i>Thalassiosira pseudonana</i>
	Carrasco D., et al. Glaser K.	Establishing model systems for studying flagellate green microalgae in the marine environment Taxon-Omics: Biological soil crusts as unique microecosystem represent a suitable model system to address taxonomy and cryptic diversity of microalgal key players
	Hartmann A., et al.	Marine Algae as sources for unique bioactive molecules with photo-protective potential and relevance as cosmeceuticals
	Heesch S., et al. Hoef-Emden K.	Towards a genetic map for the brown alga <i>Saccorhiza polyschides</i> <i>Chroomonas</i> : To be or not to be
	Holzinger A., et al.	Metabolomic analysis of <i>Zygnema</i> sp. vegetative and pre-akinete field samples from Svalbard
R	Hotter V., et al.	The vegetation composition along a High Arctic moisture gradient with a special focus on biological soil crusts
	Jacobs M. J., et al.	Experimental evolution in the sea ice diatom <i>Melosira arctica</i> monitored via chlorophyll fluorescence imaging
R	Jäger S. & Büchel C.	CD-spectra of isolated <i>Thalassiosira pseudonana</i> plastids and their reaction to different salt treatments
	Klimešová M., et al.	What do we reveal by cloning of the mats of Trentepohlia (Ulvophyceae Chlorophyta)?
R	Krämer L. C. & Lohr M. Kusber W.-H. & Jahn R. Laeseke P., et al.	Investigation of the early carotenoid biosynthetic pathway in algae Algal names and taxa – information needed vs. information provided Temperature tolerance of the invasive red alga <i>Capreolia implexa</i> and migration potential along South American coasts under present day and future conditions
	Liesner D., et al.	Temperature effects on <i>Laminaria digitata</i> – Phenotypic plasticity and transgenerational effects in an isolated kelp population
	Pröschold T. & Darienko T.	Toward a monograph of non-marine Ulvophyceae using an integrative approach
	Rybalka N., et al.	The Xanthophyceae – a well-studied algal group on the road to molecular oblivion?"
	Samolov E., et al.	<i>Klebsormidium</i> from biological soil crusts in Chile
	Scheschonk L., et al.	High Arctic kelps maintain their photosynthetic functions throughout the polar night
	Schubert M., et al.	Characterization of two CRY-DASH like proteins in <i>Chlamydomonas reinhardtii</i>
	Sommer A., et al.	Constitutive endocytosis in <i>Chara</i> internodal cells revealed by plasma membrane dyes and fluid phase markers
R	Stephan S., et al. Zhou H., et al.	Impacts of skyglow on phytoplankton species Towards establishment of a genetic transformation system in charophyte green algae –Zygenematophyceae
	Zimmermann J., et al.	German Barcode of Life 2 (GBOL2) – eDNA metabarcoding of diatoms in the context of the EU Water Framework Directive (EU WFD)

prize nominees: P = E. G. Pringsheim, A = Algological Studies-sponsorship, R = poster recognition