

**ALGATECH Scientific Seminars**  
**for the period from March 2022 to June 2022**  
**(Wednesday 1 p.m., seminar room on the 3<sup>rd</sup> floor)**

Month	Day	Speaker - Group	Title
March 2022	2	<b>Vitalij Belevič</b> Laboratory of <b>Cell Cycles of Algae</b>	White light spectrum and microalgae growth.
	9	<b>Takako Masuda</b> Laboratory of <b>Photosynthesis</b>	The survival strategies of unicellular N <sub>2</sub> fixing cyanobacteria
	16	<b>Kumar Saurav</b> Laboratory of <b>Algal Biotechnology</b>	Cyanobacterial epibionts role in the regulation of cyanopeptides production
	23	<b>Roman Sobotka</b> Laboratory of <b>Photosynthesis</b>	CryoEM structure of the Photosystem I from <i>Chromera velia</i> .
	30	<b>Michal Koblížek</b> Laboratory of <b>Anoxygenic Phototrophs</b>	2.4 Å structure of the double concentric ringed light harvesting complex from phototrophic bacterium <i>Gemmatimonas phototrophica</i> .
April 2022	6	<b>Lenka Bučinská</b> Laboratory of <b>Photosynthesis</b>	Cryo-electron microscopy - in use for dissecting the native architecture of photosynthetic membranes.
	13	<b>Karolína Ranglová</b> Laboratory of <b>Algal Biotechnology</b>	Enrichment of pikeperch diet by selected microalgae – improvement of survival rate and overall quality of fish larvae (overview of the applied Interreg project Algae4Fish)
	20	<b>Petra Skotnicová</b> Laboratory of <b>Photosynthesis</b>	BtpA protein is required for the initial step of tetrapyrrole biosynthesis in cyanobacteria.
	27	<b>Mária Čížková</b> Laboratory of <b>Cell Cycles of Algae</b>	The accumulation of polyP under nutrient stress conditions in vtc mutants of <i>C. reinhardtii</i> .
May 2022	4	<b>Daniela Barceñas</b> Laboratory of <b>Algal Biotechnology</b>	Development of CCC-based production systems to obtain valuable compounds from microalgae.
	11	<b>Radek Kaňa</b> Laboratory of <b>Photosynthesis</b>	Superresolution microscopy
	18	<b>Mohit Kumar Saini</b> Laboratory of <b>Anoxygenic Phototrophs</b>	<i>Chloracidobacterium</i> , anoxygenic phototrophic bacteria belongs to phylum <i>Acidobacteriota</i> .
	25	<b>Martina Bečková</b> Laboratory of <b>Photosynthesis</b>	Ribosomal profiling in cyanobacterium <i>Synechocystis</i> PCC 6803 - optimization of method developed by Professor Alice Barkan for plants.
June 2022	1	<b>Anjali Singh</b> Laboratory of <b>Cell Cycles of Algae</b>	Role of extremophile red alga <i>Galdieria sulphuraria</i> in bio-removal of hazardous industrial wastes of red mud and CFL bulbs containing Rare Earth Elements (REEs).
	8	<b>Eva Horáková</b> Laboratory of <b>Photosynthesis</b>	Phosphonate biosynthesis pathway in <i>Trypanosoma</i> and <i>Tetrahymena</i> .
	15	<b>Ivan Ivanov</b> Laboratory of <b>Algal Biotechnology</b>	Optimization of the heterotrophic production of microalgae: project MULTI-STR3AM
	22	<b>Jiří Masojídek</b> Laboratory of <b>Algal Biotechnology</b>	EU Horizon2020 project Sabana is over (2016-2021)
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