

# CONFERENCE PROGRAMME

\* PhD/ MSc/ Bc student

<b>MONDAY</b>		
15:30	18:30	<b>Registration</b>
18:30	20:00	<b>Dinner</b>
<b>TUESDAY</b>		
7:30	8:50	<b>Breakfast</b>
8:50	9:00	<b>Conference opening</b>
9:00	9:45	<b>Iain Johnson</b>   Chance and dance with life's power plants: The evolution and control of bioenergetic organelles across eukaryotes
9:45	10:00	<b>Michael Hammond</b>   Subcellular proteomics illuminates the relationship between host and symbiont in trypanosomatid <i>Angomonas deanei</i>
10:00	10:15	<b>Vanesa Puente</b>   Proteomic validation of <i>Angomonas deanei</i> metabolism: Integration of LOPIT with genomic and functional data
10:15	10:30	<b>Orsola Iorillo*</b>   Immunofluorescence microscopy for validation of LOPIT (Localisation of Organelle Proteins by Isotope Tagging) in the model diplomemid <i>Paradiplonema papillatum</i>
10:30	11:00	<b>Coffee break</b>
11:00	11:15	<b>Corinna Benz</b>   Mitochondrial complexome profiling in <i>Trypanosoma brucei</i>
11:15	11:30	<b>Anzhelika Butenko</b>   Evolution of introns and splicing: lessons from Euglenozoa
11:30	11:45	<b>Alexei Kostygov</b>   The first RNA viruses in trypanosomes
11:45	11:57	<b>Jan Vysloužil</b>   Elemental analysis in electron microscopy (Pragolab)
11:57	13:30	<b>Lunch</b>
13:30	13:45	<b>Fadel Fakh*</b>   Structural adaptation of methionine tRNA enables AUA decoding through anticodon stem shortening
13:45	14:00	<b>Nathalia Ballesteros*</b>   Deciphering the translation mechanism in <i>Blastocrithidia nonstop</i> : a trypanosomatid with all three stop codons reassigned
14:00	14:15	<b>Eliška Maturová*</b>   Alternative UGA decoding across the tree of life
14:15	14:30	<b>Jayaram Moorthy*</b>   RNA Tailing mechanism in <i>E. gracilis</i> : Unraveling its hidden Role in the Photosynthetic Pathways
14:30	14:42	<b>Marta Sobotková</b>   Azure Imaging Systems (Biotech)
14:42	15:15	<b>Coffee break</b>
15:15	15:30	<b>Ayush Sharma*</b>   Independent origins of apicomplexan and dinoflagellate plastids, with contributions from multiple sources
15:30	15:45	<b>Kazuya Takahashi</b>   Multiple sudden acquisitions of haptophyte-derived plastids in <i>Kapelodiniopsis flava</i> (Dinophyceae)
15:45	16:00	<b>Elisabeth Hehenberger</b>   Never stop shopping for plastids - the dinoflagellate family Kareniaceae
16:00	16:15	<b>Ansgar Gruber</b>   ASAFind 2.0: Multi class protein targeting prediction for diatoms and algae with complex plastids
16:15	16:30	<b>Jan Říha*</b>   Diversity of plastid ribosomes: insights from pan-eukaryotic survey of plastid genomes
16:30	16:47	<b>Kamil Rolski</b>   New developments in fluorescent protein imaging and digital PCR in clinical diagnostics (BioRad)
16:47	18:30	<b>Poster Session</b>
18:30	20:00	<b>Dinner</b>
20:00	21:00	Meeting of the Section of Protistology of the Czech Society for Parasitology

WEDNESDAY		
7:30	9:00	<b>Breakfast</b>
9:00	9:15	<b>Ondřej Pomahač*</b> Labyrinth of the world and the paradise of the heart: The ciliate macronucleus as a novel symbiotic compartment for methanogenic Archaea and fermenting bacteria
9:15	9:30	<b>Daniel Méndez-Sánchez*</b> Single-cell omics and microscopy reveal a syntrophic interaction between the rare anaerobic predator ciliate <i>Legendrea loyezae</i> and prokaryotes
9:30	9:45	<b>Martina Foučková*</b> Symbiotic partnership in <i>Psalteriomonas</i> : Host-specific methanogenic symbionts and their intracellular localization
9:45	10:00	<b>Petr Volf</b> <i>Leishmania</i> attachment to the stomodeal valve of sand fly vector
10:00	10:15	<b>Anna Hošková*</b> European sand flies and midges as potential vectors of <i>Leishmania</i> and <i>Mundinia</i>
10:15	10:45	<b>Coffee break</b>
10:45	11:00	<b>Jonathan Espinoza Wong*</b> Distinct roles of three Oxa1 insertases in shaping the submitochondrial proteome of <i>Trypanosoma brucei</i>
11:00	11:15	<b>Martina Lisnerová</b> Freshwater myxozoan parasites in fish ponds: Seasonal trends and year-to-year dynamics using eDNA methods
11:15	11:30	<b>Tamás Dobai*</b> Identifying elements of the blood feeding mechanism of the ancient endoparasite <i>Sphaerospora molnari</i>
11:30	11:45	<b>Alena Lövy</b> Exploring the Notch signalling pathway in early-branching metazoans: insights from parasitic cnidarians (Myxozoa)
11:45	12:00	<b>Ana Maria Filipe*</b> The potential of Bumped Kinase Inhibitors against <i>Babesia divergens</i>
12:00	12:12	<b>Jiří Jirout</b> Beyond Measure - A Brand New NanoDrop Ultra (MGP)
12:12	13:45	<b>Lunch</b>
13:45	18:00	<b>Free afternoon [Click for more details] &amp; Protist demonstration</b>
18:00	20:00	<b>Conference dinner</b>
THURSDAY		
7:30	9:00	<b>Breakfast</b>
9:00	9:15	<b>Tomáš Pánek</b> The First Broadly Sampled Phylogenomic Analysis of Heterolobosea: A Framework for Understanding the Evolutionary History of the Group
9:15	9:30	<b>Michael Kotyk</b> Diversity of Australian Clevelandellida
9:30	9:45	<b>Elizabeth Weston*</b> Evolutionary significance of deep-branching eukaryotrophs among alveolates and stramenopiles
9:45	10:00	<b>Martin Kolisko</b> Expanding the Menu: Novel Diversity of Bacterivorous Colpodellids, Relatives of Apicomplexa
10:00	10:12	<b>Pavel Krist</b> News in Microscopy for Life Cell Imaging (Zeiss)
10:12	10:45	<b>Coffee break</b>
10:45	11:00	<b>Michaela Husová*</b> Better together: the importance of ATP synthase dimerization for cristae maturation and OXPHOS
11:00	11:15	<b>Eva Doleželová</b> Nutritional stress as a signal for <i>Trypanosoma brucei</i> differentiation to the mesocyclic-like form
11:15	11:30	<b>Anežka Konupková*</b> Breaking the barrier: <i>Euglena gracilis</i> expansion microscopy enables visualisation of organelles and detailed cytoskeletal structures
11:30	11:45	<b>Vendula Horáčková*</b> Functional characterisation of a <i>P. falciparum</i> endocytosis protein with a dual localisation
11:45	11:57	<b>Michaela Císařová</b> High-Tech for Tiny Things: How Protists Meet Automation and Next-Gen Sequencing (Altium)

11:57	13:45	<b>Lunch</b>	
13:45	14:00	<b>Ayça Fulya Üstüntanir Dede</b>	Biological functions of phosphonates in eukaryotic systems: metabolic roles and evolutionary significance
14:00	14:15	<b>Ingrid Sverákova &amp; Kristina Pašuthová</b>	Variations in ubiquinone biosynthesis and respiratory adaptations in Euglenozoa
14:15	14:30	<b>Vojtěch Žárský</b>	Disassembling the peroxisome
14:30	14:45	<b>Paulína Pristašová* &amp; Thu Duong Nguyen*</b>	The Biology of Anaerobic Life: Hydrogenosomes and peroxisomes in ruminant fungus <i>Neocallimastix lanate</i>
14:45	15:00	<b>Petr Taborský</b>	Omics on Steroids: Invest in the Future (and Your Wallet) (NGS Geeks)
15:00	15:30	<b>Coffee break</b>	
15:30	15:45	<b>Martina Vinopalová*</b>	Mlf Mediates Protectotoxic Response via Formation of Cellular Foci for Aggregate Sequestration in <i>Giardia intestinalis</i>
15:45	16:00	<b>Yangyang Guo*</b>	Identification and Characterization of the Essential Genes with Unknown Function encoded on <i>Plasmodium falciparum</i> Chromosome 4
16:00	16:45	<b>Lena Pernas</b>	[To be announced]
16:45	17:00	<b>Awarding of prizes in the categories of Best Student Talk and Poster</b>	
17:00	17:15	<b>Concluding remarks</b>	
18:00	19:30	<b>Dinner</b>	
<b>FRIDAY</b>			
7:30	9:00	<b>Breakfast</b>	
9:00	11:00	<b>Hotel check-out by 11:00</b>	