

26th Cytoskeletal Club - Programme

Sunday, May 19, 2019

16:00 – 18:30	Registration
18:30 – 20:00	Dinner
20:00 – 21:00	Controlling SCAR/WAVE! Robert Inshall (Beatson Institute, Glasgow, United Kingdom)
21:00	Welcome winetasting

Monday, May 20, 2019

7:30 – 9:00	Breakfast
9:00 – 9:25	WASH komplex attachment to the endosomal membrane Tereza Humhalová (Faculty of Science, Charles University, Prague, Czech Republic)
9:25 – 9:50	Characterization of lysosomal trafficking defects in WASH complex-deficient cells Vojtěch Dostál (Faculty of Science, Charles University, Prague, Czech Republic)
9:50 – 10:15	Actin cytoskeleton and Myo2 affect the cellular distribution of reversible assemblies of the translation initiation factor eIF3a in <i>Saccharomyces cerevisiae</i> Ivana Malcová (Institute of Microbiology of the CAS, Prague, Czech Republic)
10:15 – 10:30	Poster flash talks
10:30 – 11:00	Coffee break
11:00 – 11:25	γ -tubulin ability to form filaments and its functions in nuclear processes Jana Chumová (Institute of Microbiology of the CAS, Prague, Czech Republic)
11:25 – 11:50	Protein tyrosine phosphatase SHP-1 regulates microtubule nucleation in mouse bone marrow-derived mast cells Vadym Sulimenko (Institute of Molecular Genetics of the ASCR, Prague, Czech Republic)
11:50 – 12:05	Company presentation Merck
12:30 – 14:00	Lunch
14:00 – 14:25	Role of RanGTP-importin beta pathway in spindle formation during mammalian oocyte meiosis David Drutovic (Institute of Animal Physiology and Genetics CAS, Libechev, Czech Republic)
14:25 – 14:50	Tyrosine 90 within SH3 domain - a novel site of Src kinase regulation affecting transforming potential and invasiveness Lenka Koudelková (Faculty of Science, Charles University, Prague, Czech Republic)
14:50 – 15:15	Src and p130Cas-based biosensors to study focal adhesions mechanics Daniel Rösler (Faculty of Science, Charles University, Prague, Czech Republic)
15:15 – 15:30	Company presentation MGP
15:30 – 16:00	Coffee break
16:00 – 16:25	Intense nanosecond-scale electric field effect on kinesin: molecular dynamics study Michal Cifra (Institute of Photonics and Electronics, Czech Academy of Sciences, Prague, Czech Republic)
16:25 – 16:50	Computational modeling of mechanical behavior of endothelial cells Jakka V. V. S. Varaprasad (Brno University of Technology, Brno, Czech Republic)

16:50 – 17:15	Plectin deficiency weakens mechanical integrity of simple epithelium Magdalena Přečková (Institute of Molecular Genetics of the ASCR, Prague, Czech Republic)
17:15 – 17:30	Company presentation Sipoch s.r.o.
17:15 – 18:30	Poster session
18:30 – 20:00	Dinner
20:00 – 21:00	Guided wine tasting
21:00	Discussion with refreshment and a glass of wine

Tuesday, May 21, 2019

7:30 – 9:00	Breakfast
9:00 – 9:25	Plant transmembrane formins in endomembrane dynamics and intracellular communication Fatima Cvrčková (Faculty of Science, Charles University, Prague, Czech Republic)
9:25 – 9:50	Division of labor between actin nucleators – formins and the ARP2/3 complex in <i>Arabidopsis</i> epidermal cell morphogenesis Petra Cifrová (Faculty of Science, Charles University, Prague, Czech Republic)
9:50 – 10:15	The role of AtFH13 formin of class II in <i>Arabidopsis thaliana</i> plant Eva Kollárová (Faculty of Science, Charles University, Prague, Czech Republic)
10:15 – 10:40	Three new lines of <i>Arabidopsis thaliana</i> Arp2/3 mutants Erica Bellinvia (Faculty of Science, Charles University, Prague, Czech Republic)
10:40 – 11:10	Coffee break
11:10 – 11:35	ARP2/3 complex in association with plant peroxisomes Jan Martinek (Faculty of Science, Charles University, Prague, Czech Republic)
11:35 – 12:00	Flagellar microtubule doublet assembly <i>in vitro</i> reveals a regulatory role of tubulin C-terminal tails Markéta Černožorská (Institute of Molecular Genetics of the ASCR, Prague, Czech Republic)
12:00 – 12:25	The unexpected aspects of the Euglenozoa flagella Galina Prokopchuk (Institute of Parasitology, Biology Centre CAS, Ceske Budejovice, Czech Republic)
12:25 – 12:30	Closing remarks
12:30 – 14:00	Lunch