



Progress Report Meeting 2024

Date: Monday 6th May at 15:00 and Tuesday 7th May at 9:00

Place: Lecture hall of the Institute of Physiology CAS

Presentation: 10 min speech and 5 min discussion

Language: English

Monday 6th May 2024

Name	Lab	Supervisor	Thesis title	Time
Čiháková Jana	Laboratory of Pain Research	RNDr. Hana Zemková, CSc.	Role of extracellular ATP and P2X receptors in hypothalamic paraventricular nucleus	15:00
Vasconcelos Daniel	Laboratory of Pain Research	MUDr. Jiří Paleček, Ph.D.	The role of the KCTD16 in nociceptive synaptic modulation	15:15
Dočkal Tereza	Laboratory of Biological Rhythms	prof. PharmDr. Alena Sumová, DSc.	Characterization of the circadian clock in choroid plexus	15:30
Chetverikov Nikolai	Laboratory of Neurochemistry	Mgr. Jan Jakubík, Ph.D.	Molecular mechanisms of steroid effects on the function of muscarinic receptors	15:45
Fili Klevinda	Laboratory of Cellular Neurophysiology	prof. Ladislav Vyklický, MD, Ph.D., DSc.	De novo mutations and rare variants occurring in NMDA receptors: Phenotypic characterization and pharmacologic screen of new therapeutically relevant steroid-like modulators	16:00
Rakušanová Stanislava	Metabolomics	doc. Ing. Tomáš Čajka, Ph.D.	Liquid chromatography–mass spectrometry for metabolomics and lipidomics studies	16:15

Tuesday 7th May 2024

Name	Lab	Supervisor	Thesis title	Time
Boroš Almos	Laboratory of Developmental Cardiology	RNDr. Jan Neckář, Ph.D.	Role of autonomic nervous system in acute myocardial ischemia/reperfusion injury and postischemic heart failure in rats	9:00
Opletalová Barbora	Laboratory of Developmental Cardiology	RNDr. Petra Alánová, Ph.D.	The role of HIF-1alpha in the mechanisms of cardioprotection	9:15
Džubanová Martina	Laboratory of Molecular Physiology of Bone	Mgr. Michaela Tencerová, Ph.D.	Targeting cellular metabolism of mesenchymal stem cells in metabolic bone diseases	9:30
Saucedo Rodriguez Maria Jose	Laboratory of Bioenergetics	RNDr. Alena Pecinová, Ph.D.	Rearrangement of cellular metabolism in mitochondrial diseases	9:45
Shekhar Nivasini	Laboratory of Adipose Tissue Biology	Mgr. Kristina Bardová, Ph.D.	The role of RF-amide peptide receptors GPR10 and NPPFR2 in energy homeostasis and diet-induced obesity	10:00
Haasová Eliška	Laboratory of Adipose Tissue Biology	Ing. Petra Janovská, Ph.D.	Mouse-strain-specific imprinting effect of ambient temperature on muscle proteome	10:15
Malić Marina	Laboratory of Biomaterials and Tissue Engineering	Mgr. Antonín Brož, Ph.D.	Construction of Artificial Connective Tissues Based on Composite Biocompatible Scaffolds	10:30

We are looking forward to you!