

THE 2nd BILATERAL MEETING OF
THE NENCKI INSTITUTE PAS WARSAW AND INSTITUTE OF
PHYSIOLOGY CAS PRAGUE

11 October 2022, Nencki Institute PAS, Warsaw

9:30-9:50 Introduction by Directors **Prof. Agnieszka Dobrzyń / Dr. Jan Kopecký**

9:50-10:00 **Prof. Jerzy Duszyński** (President of the Polish Academy of Sciences)

MAIN THEMES AND PERSPECTIVES FOR COLLABORATION I

(15 min talk + 5 min discussion)

10:00-10:20 **Dr. Martin Rossmeisl** (Laboratory of Adipose Tissue Biology) *“Omega-3 fatty acid supplementation in NAFLD treatment”*

10:20-10:40 **Dr. Aleksandra Pękowska** (Dioscuri Center for Chromatin Biology and Epigenomics) *“Evolutionary and functional genomics of primate astrocytes”*

10:40-11:00 **Dr. Jan Svoboda** (Laboratory of Neurophysiology of Memory) *“Neural substrate of avoidance of a dynamic object in rats - inactivations, electrophysiology, and chemogenetic approach”*

11:00-11:15 Coffee

11:15-11:35 **Dr. Grzegorz Sumara** (Dioscuri Center for Metabolic Diseases) *“Kinase- and ubiquitin-dependent signaling in the regulation of metabolism”*

11:35-11:55 **Dr. Olga Zimmermannová** (Laboratory of Membrane Transport) *“Cation homeostasis in eukaryotic cells - structure, function and biogenesis of monovalent-cation transporters”*

11:55-12:15 **Prof. Adam Szewczyk** (Laboratory of Intracellular Ion Channels) *“Mitochondrial potassium channels”*

12:15-12:35 **Dr. Daniel Hadraba** (Laboratory of Biomathematics) *“From sample to data delivery: advanced light microscopy and image processing at IPHYS”*

12:35-13:35 Lunch

MAIN THEMES AND PERSPECTIVES FOR COLLABORATION II

(15 min talk + 5 min discussion)

- 13:35-13:55 **Dr. Ali Jawaid** (Laboratory of Translational Research in Neuropsychiatric Disorders) *“Exposomics of Neuropsychiatric Disorders: Some Fatty Issues in the Spotlight”*
- 13:55-14:15 **Dr. Jan Kopecký** (Director of IPHYS) *„Dysregulation of adipose tissue lipid metabolism in cardiac cachexia”*
- 14:15-14:35 **Dr. Adam Kłosin** (Laboratory of Spatial Epigenetics) *“Spatial organization of gene regulation during embryonic development”*
- 14:35-14:55 **Dr. Tomáš Čajka** (Laboratory of Translational Metabolism) *“MetaboAtlas21: A comprehensive metabolome and lipidome atlas of mouse tissues and biofluids”*
- 14:55-15:10 Coffee**
- 15:10-15:30 **Dr. Rafał Czajkowski** (Laboratory of Spatial Memory) *“Mapping the spatial memory: the hippocampus and beyond”*
- 15:30-15:50 **Dr. Jiří Paleček** (Laboratory of Pain Research) *“Pain research and challenging path for new treatments”*
- 15:50-16:10 **Dr. Tomasz Wypych** (Laboratory of Host-Microbiome Interactions) *“Harnessing microbial metabolites to combat acute respiratory distress syndrome”*
- 16:10-17:00 **Lab tours**