

CarDia Young Researchers' Day PROGRAMME

IKEM Congress Hall, Friday, October 23rd 2026

Time	Speaker / Institution	Presentation Title & Topic
08:00 – 08:30	Participant Registration	
08:30 – 08:40	doc. MUDr. Michal Dubský, Ph.D. MBA LL.M. FRSPH (IKEM)	Opening remarks and conference welcome
SCIENTIFIC SESSION I		
08:40 – 08:53	M.Sc. Mariana Santos, Ph.D. (FGÚ)	NOX4 Modulates Sexually Dimorphic Bone Repair and Metabolic Adaptation Under Obesity
08:53 – 09:06	MUDr. Jan Frank (IKEM)	In Vivo performance of decellularized human saphenous vein grafts versus ePTFE in rat aortic model
09:06 – 09:19	Mgr. Alena Bohdanecká (IKEM)	A gluten-free diet alters the gut microbiota but not liver disease in primary sclerosing cholangitis: a prospective interventional study
09:19 – 09:32	Mgr. David Galuška, Ph.D. (MUNI)	From night to morning: sleep quality and glycaemic profile in women with gestational diabetes
09:32 – 09:45	Alejandro Ezequiel Harnichar, Ph.D. (3LF UK)	Adipocytes as mediators of lymphatic endothelial cell functions
09:45 – 09:58	MUDr. Dominika Sojáková (IKEM)	Bone marrow cellular profile in patients with diabetes: association of statin therapy with CD34+ cells
09:58 – 10:11	Mgr. Kateřina Matějková (1LF UK)	paRDal: Bioinformatics Framework for a Parallel RNA and DNA NGS Analysis in Mendelian Disease Diagnostics
10:11 – 10:24	Mgr. Barbora Muffová, Ph.D. (IKEM)	Anti-inflammatory effect of fluvastatin on polarized macrophages and its dependence on the mevalonate pathway
10:24 – 10:37	Mgr. Šárka Veselá (IKEM)	BRD4780-mediated clearance of mutant alpha-1-antitrypsin involves the autophagic-lysosomal pathway
10:37 – 11:10	POSTER SESSION & Networking	
SCIENTIFIC SESSION II		
11:10 – 11:23	MUDr. Bc. Luděk Horváth (IKEM)	Effects of laparoscopic sleeve gastrectomy vs endoscopic gastroplasty on body weight, composition and muscle mass: pilot data from the SLAVIA randomized trial
11:23 – 11:36	Mgr. Petr Kordač (IKEM)	Beyond Weight Loss: MRI and MR Spectroscopy Reveal Tissue-Specific Effects of Endoscopic and Laparoscopic Sleeve Procedures
11:36 – 11:49	MUDr. Pavlína Vašinová (IKEM)	Wearable-derived REM sleep is associated with CGM-derived glycaemic risk and subclinical atherosclerosis in adults with long-standing type 1 diabetes
11:49 – 12:02	MUDr. Lea Pavlovičová (1LF UK)	Genetically Engineered Rat Models of ADTKD-UMOD and MUC1 for Phenotypic and Translational Research
12:02 – 12:15	Ing. Petra Polakovičová (IKEM)	The serum metabolome reflects VEGANScreeener-assessed diet quality in vegans from five European countries
12:15 – 12:28	Ing. Klára Svojšová (1LF UK)	Recurrent Single-Nucleotide Insertions in the Mitochondrial Second Light-Strand Promoter Cause Tubulointerstitial Kidney Disease
12:28 – 12:41	Mgr. Marek Wilhelm, Ph.D. (3LF UK)	Exercise training is associated with changes in adipocyte size and lipid metabolism in older women: cross-sectional and longitudinal study
12:41 – 12:54	MUDr. Radovan Lukáčik (IKEM)	Pharmacological treatment of obesity in liver transplant candidates: Initial experience
12:54 – 13:07	Mgr. Lucie Mrázková (ÚOCHB)	Structural and Functional Insights into IGF2R-Ligand Interactions: Engineering and Analysis of Extracellular Domain Constructs
13:07 – 13:20	Evaluation Time	
13:20 – 13:30	Closing Remarks & Awards	

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