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Science Seminar Days of the Institute of Biomedicine and Translational Medicine

Biomedicum, auditorium 1006

2. February

08:30	09:00	Registration	
09:00	09:05	Opening words	Eero Vasar
09:05	10:45	I session	moderated by Aili Tagoma
09:05	09:25	Kelli Somelar-Duracz	Vitamin D, memory and mood disorders
09:25	09:45	Tiiu Rööp	Human Microbiota Biobank - a base for research with plenty of options
09:45	10:05	Kairi Koort	Lactobacillus crispatus-dominated vaginal microbiome and Acinetobacter-dominated semen microbiome support beneficial ART outcome
10:05	10:25	Rain Inno	Consideration of urine miRNomes of pregnant women as potential biomarkers for placental function
10:25	10:45	Triin Kikas	Microdeletions and microduplications linked to severe congenital disorders in infertile men
10:45	11:15	Refreshment break	
11:15	12:35	II session	moderated by Alar Aints
11:15	11:35	Pavel Kudrin	RNA modifications in diseases
11:35	11:55	Martin Pook	Epigenetic landscape of skin homing CLA+ CD4+ memory T-cells in Atopic dermatitis and Psoriasis
11:55	12:15	Monika Jürgenson	Vitamin D and obesity
12:15	12:35	Katri-Liis Eskla	Hypothermia alleviates reductive stress a novel and largely overlooked phenomenon at the root of ischemia reperfusion injury
12:35	13:20	Lunch	
13:20	14:50	III session	moderated by Raivo Uibo
13:20	13:50	Invited speaker Dr Helle Sadam (Protobios)	Immunoprofiling towards new understanding of neural development and pathologies
13:50	14:10	Alar Aints	Celiac Disease metagenome study
14:10	14:30	Kristi Huik	Genetic diversity of SARS-CoV-2 and its influence on hospitalization in Estonia during COVID-19 pandemic
14:30	14:50	Allen Kaasik	KEAP1-PGAM5 complex senses mitochondrially generated ROS to induce mitophagy
14:50	15:20	Refreshment break	
15:20	16:20	IV session	moderated by Tamara Vorobjova
15:20	15:40	Miriam Ann Hickey	Translation of Alzheimer's disease: What does the 5xFAD mouse actually model?
15:40	16:00	Siim Suutre	Expression of CILP 2 and DDR2 in the articular cartilage of patients with knee osteoarthritis undergoing total knee arthroplasty
16:00	16:20	Ave Minajeva	The role and methods of pathohistology in research



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09:00	10:40	V session	moderated by Koit Reimand
09:00	09:20	Ingrid Reppo	The effect of new diabetes medications on inflammatory markers in type 2 diabetic patients
09:20	09:40	Liis Haljasmägi	Multiomic analysis to stratify SLE patients
09:40	10:00	Maarja Haugas	Development of blood-brain barrier penetrating peptide for the treatment of brain diseases
10:00	10:20	Andreas-Christian Hade	Efficient ex-vivo human whole brain perfusion for immunohistochemistry and Angiography
10:20	10:40	Toomas Jagomäe	Exploring dual-incretin agonists as a novel therapeutic modality for Wolfram Syndrome
10:40	11:10	Refreshment break	
11:10	12:40	VI session	moderated by Ivo Laidmäe
11:10	11:40	Invited speaker Anna Liisa Kubo (National Institute of Chemical Physics and Biophysics)	Antimicrobial nanoparticles and their biomedical applications
11:40	12:00	Ivo Laidmäe	3D culture of insulin producing cells
12:00	12:20	Katyayani Singh	Role of Neuronal growth regulator 1 (NEGR1) molecule in the pathogenesis of neuropsychiatric disorders
12:20	12:40	Este Leidmaa	Endocannabinoid system as a possible modulator of psychiatric effects of the adhesion molecule NEGR1
12:40	13:25	Lunch	
13:25	14:45	VII session	moderated by Meeme Utt
13:25	13:45	Kerda Pulk	Delta-9-tetrahydrocannabinol alters the gene expression and enzymatic activity of DNA methyltransferases and Ten-eleven
13:45	14:05	Artur Stoljar	Characterization of the immunophenotype in the rat model of APECED
14:05	14:25	Nayana Gaur	GABAergic cell population vulnerability in Wolfram Syndrome
14:25	14:45	Lorena Simón Gracia	Affinity-targeted nanomedicines for the treatment and diagnosis of cancer and endometriosis
14:45	15:00	Concluding words	Raivo Uibo

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