



**82nd International Scientific
Conference of the
University of Latvia 2024**

**International Scientific
Conference on Medicine**

Basic Medical Science

5 April 2024, 14:00-16:00
Room 106, 1st floor

Session moderators: Una Riekstiņa, Baiba Jansone

14:00 Oral presentations

(each presentation = 7 minutes + 3 minutes for discussion)

Effects of glutapyrone on DNA integrity in vitro and in vivo

Dišlere Kristīne, Elīna Ļeonova, Rostoka Evita, **Bisenieks Egils, Sjakste Nikolajs**

Predictive modeling of medication adherence using blood analysis results: a neural network approach

Lauva Anna, Erts Renārs, Seimane Sandra

Development of in vitro bone marrow niche model system for Acute myeloid leukaemia therapy resistance screening

Blāķe Ilze, Rostoka Evita, Riekstiņa Una

MYBPC1-associated myopathy with myogenic tremor, a study of an animal model

Stavusis Janis, Zdanovica Anna, Lunge Megija, Zayakin Pawel, Upite Jolanta, Dzirkale Zane, Alnis Janis, Lace Baiba, Jansone Baiba, **Inashkina Inna**

Organ-on-a chip model of primary human pancreatic ductal adenocarcinoma

Parfejevs Vadims, Goluba Karīna, Rostoka Evita, Jēkabsons Kaspars, Kunrade Līga, Neimane Anastasija, Blāķe Ilze, Rimša Roberts, Pčolkins Andrejs, Riekstiņa Una

Melatonin demonstrates antiviral potential in human gastrointestinal organoids through modulation of stat protein expression

Šeškutė Milda, Žukaitė Dominyka, Laucaitytė Goda, Jankauskaitė Lina

Characterisation of Plasmodium spp. lactate dehydrogenase specific aptamer binding affinity and selectivity

Osīte Laura, Kunrade Liga, Pleiko Karlis, Goluba Karina, Parfejevs Vadims, Baldrich Rubio Eva, Riekstina Una

Selection of urothelial carcinoma biomarker Nectin-4 selective aptamers for the development of targeted therapeutics

Sunteiks Kristaps, Goluba Karina, Pleiko Karlis, Parfejevs Vadims, Miculis Karlis, Vjaters Egils, Riekstina Una, Kunrade Liga

Development and characterization of the calpainopathy patient-derived induced pluripotent stem cells

Goluba Karīna, Parfejevs Vadims, Lāce Baiba, Inashkina Inna, Una Riekstiņa

Search for disease-specific genetic markers originated from the vitamin D binding protein gene polymorphisms in the multiple sclerosis cohort in the Latvian population

Paramonova Natalia, Tapina Ilva, Kalnina Jolanta, **Plavina Samanta**, Leonova Elina, Paramonovs Jegors, Sjakste Nikolajs