

RSU Research Week 2025 Best Paper Competition Winners

Title	Authors	Affiliation
Predictors of Poor Long-Term Outcomes after Successful Thrombectomy in Large Vessel Acute Ischemic Stroke	Prof. Maija Radziņa (Latvia) ¹ Prof. Arturs Balodis (Latvia) ² Mr. Roberts Šamanskis (Latvia) ³ Dr. Dagnija Grabovska (Latvia) ⁴ Dr. Arvīds Bušs (Latvia) ⁵ Dr. Madara Ratniece (Latvia) ⁶ Dr. Kristaps Jurjāns (Latvia) ⁷ Dr. Anastāsija Solodjankina (Latvia) ⁸ Dr. Arta Grosmane (Latvia) ⁸ Prof. Evija Miglāne (Latvia) ⁹ Prof. Karlis Kupcs (Latvia) ²	1. Institute of Diagnostic Radiology, Pauls Stradins Clinical University Hospital; Department of Radiology, Faculty of Medicine, Rīga Stradiņš University, 2. Department of Radiology, Faculty of Medicine, Rīga Stradiņš University; Institute of Diagnostic Radiology, Pauls Stradins Clinical University Hospital, 3. Faculty of Medicine, Rīga Stradiņš University, 4. Institute of Diagnostic Radiology, Pauls Stradins Clinical University Hospital, 5. Department of Residency, Rīga Stradiņš University; Institute of Diagnostic Radiology, Pauls Stradins Clinical University Hospital, 6. Radiology Research Laboratory, Rīga Stradiņš University; Institute of Diagnostic Radiology, Pauls Stradins Clinical University Hospital, 7. Department of Neurology and Neurosurgery, Faculty of Medicine, Rīga Stradiņš University; Department of Neurology, Pauls Stradins Clinical University Hospital, 8. Department of Residency, Rīga Stradiņš University, 9. Department of Neurology and Neurosurgery, Faculty of Medicine, Rīga Stradiņš University; Clinic of Neurology, Pauls Stradins Clinical University Hospital
Results of Newborn Screening for Biotinidase Deficiency Over a 5-year Period: Genotype and Phenotype, Therapy, and Challenges	Dr. Sabīne Laktiņa (Latvia) ¹ Prof. Madara Auzenbaha (Latvia) ¹ Dr. Ieva Mičule (Latvia) ² Dr. Dace Enkure (Latvia) ² Dr. Svetlana Vorslova (Latvia) ² Dr. Maija Savina (Latvia) ² Dr. Agnese Vētra (Latvia) ² Dr. Valentina Čapligina (Latvia) ²	1. Children's Clinical University Hospital; Rīga Stradiņš University, 2. Children's Clinical University Hospital

	Dr. Elizabete Miltiņa (🇱🇻 Latvia) ² Dr. Indra Dzene (🇱🇻 Latvia) ² Dr. Linda Austrina (🇱🇻 Latvia) ²	
Studies of miRNAs in Patients with Demyelinating Pathologies: Insights and Challenges	Dr. Edita Kuncevičienė (🇱🇹 Lithuania) ¹ Ms. Evelina Grusauskienė (🇱🇹 Lithuania) ² Prof. Renata Balnytė (🇱🇹 Lithuania) ² Ms. Violeta Belickienė (🇱🇹 Lithuania) ¹ Dr. Paulina Vaitkienė (🇱🇹 Lithuania) ¹	1. Laboratory of Molecular Neurobiology, Neuroscience Institute, Lithuanian University of Health Sciences, 2. Department of Neurology, Lithuanian University of Health Sciences
GdIgA+ B cell Differentiation in IgA Nephropathy	Dr. Kristīne Oļeiņika (🇱🇻 Latvia) ¹ Prof. Viktorija Kuzema (🇱🇻 Latvia) ² Prof. Kārlis Rācenis (🇱🇻 Latvia) ³ Mr. Roberts Kārklīšs (🇱🇻 Latvia) ⁴ Dr. Anna Popova (🇱🇻 Latvia) ⁴ Dr. Baiba Šlisere (🇱🇻 Latvia) ⁵ Dr. Mikus Saulīte (🇱🇻 Latvia) ⁶ Dr. Anna Jana Saulīte (🇱🇻 Latvia) ⁷ Prof. Aivars Lejnieks (🇱🇻 Latvia) ² Prof. Aivars Pētersons (🇱🇻 Latvia) ⁸ Prof. Dace Pjanova (🇱🇻 Latvia) ⁹ Ms. Kristīne Vaivode (🇱🇻 Latvia) ⁹ Dr. Andris Romasovs (🇱🇻 Latvia) ¹⁰ Prof. Jūta Kroiča (🇱🇻 Latvia) ¹¹ Dr. Luiza Matusevica (🇱🇻 Latvia) ¹² Dr. Jānis Seilis (🇱🇻 Latvia) ¹² Prof. Harijs Čerņevskis (🇱🇻 Latvia) ⁸	1. Department of Internal Diseases, Faculty of Medicine, Rīga Stradiņš University; Boston Children's Hospital, Harvard Medical School, Program in Cellular and Molecular Medicine, 2. Department of Internal Diseases, Faculty of Medicine, Rīga Stradiņš University, 3. Department of Biology and Microbiology, Faculty of Medicine, Rīga Stradiņš University; Department of Internal Diseases, Faculty of Medicine, Rīga Stradiņš University; Center of Nephrology, Pauls Stradins Clinical University Hospital, 4. Rīga Stradiņš University, 5. Rīga Stradiņš University; Rīga East University Hospital; Pauls Stradins Clinical University Hospital, 6. Department of Internal Diseases, Faculty of Medicine, Rīga Stradiņš University; Department of Biology and Microbiology, Faculty of Medicine, Rīga Stradiņš University; Center of Nephrology, Pauls Stradins Clinical University Hospital, 7. Center of Nephrology, Pauls Stradins Clinical University Hospital; Department of Internal Medicine, University of Latvia, 8. Department of Internal Diseases, Faculty of Medicine, Rīga Stradiņš University; Center of Nephrology, Pauls Stradins Clinical University Hospital, 9. Institute of Microbiology and Virology, Science Hub of Rīga Stradiņš University;

		Latvian Biomedical Research and Study Centre, 10. Pauls Stradins Clinical University Hospital, 11. Department of Biology and Microbiology, Faculty of Medicine, Rīga Stradiņš University, 12. Center of Nephrology, Pauls Stradins Clinical University Hospital
Work-Life Balance and Musculoskeletal Pain: Insights from a Cross-Sectional Study in Latvia	Dr. Linda Matisāne (■ Latvia) ¹ Dr. Ieva Strele (■ Latvia) ¹ Ms. Monta Matisāne (■ Latvia) ¹ Mrs. Svetlana Lakiša (■ Latvia) ¹ Mrs. Linda Paegle (■ Latvia) ¹ Prof. Ivars Vanadziņš (■ Latvia) ¹	1. Institute of Occupational Safety and Environmental Health, Science Hub of Rīga Stradiņš University
Moderating Role of Gender in Association among Heavy Episodic Drinking and Analgesic Use in the Latvian Population	Mr. Mārtiņš Zvackis (■ Latvia) ¹ Prof. Inese Gobiņa (■ Latvia) ¹	1. Institute of Public Health, Faculty of Health and Sport Sciences, Rīga Stradiņš University
Towards Sustainability: Factors Driving Green Business Transition of SMEs in Latvia	Mrs. Liga Sileniece (■ Latvia) ¹ Prof. Dzintra Atstaja (■ Latvia) ¹	1. Rīga Stradiņš University
Ultra-Endurance Velo Race Induces 10-Fold Increase in Serum FGF-21 Levels	Dr. Dace Reihmane (■ Latvia) ¹ Mr. Maksims Zolovs (■ Latvia) ² Prof. Flemming Dela (■ Denmark) ³	1. Laboratory of Sports and Nutrition Research, Sports Research Core Facility, Rīga Stradiņš University; Department of Human Physiology and Biochemistry, Faculty of Medicine, Rīga Stradiņš University, 2. Statistics Unit, Rīga Stradiņš University, 3. Laboratory of Sports and Nutrition Research, Sports Research Core Facility, Rīga Stradiņš University; Xlab, University of Copenhagen
Enhancing Nanoparticle Features through Ethylene-Bridged Cationic Moieties and Branched Ester Chains in the 1,4-Dihydropyridine Core	Ms. Anete Upīte (■ Latvia) ¹ Mr. Dāvis Lācis (■ Latvia) ² Dr. Kārlis Pajuste (■ Latvia) ² Mr. Reinis Putrālis (■ Latvia) ³ Dr. Karīna Spunde (■ Latvia) ⁴ Dr. Anna Zajakina (■ Latvia) ⁴	1. Rīga Stradiņš University, 2. Latvian Institute of Organic Synthesis, 3. Rīga Stradiņš University; Latvian Institute of Organic Synthesis, 4. Latvian Biomedical Research and Study Centre

	Dr. Aiva Plotniece (Latvia) ³	
Neonatal Urinary Metabolomics in Sepsis	Dr. Dace Sniedze (Latvia) ¹ Prof. Zanda Daneberga (Latvia) ² Prof. Theresa Schiemer (Latvia) ³ Mr. Jingzhi Fan (Latvia) ³ Dr. Julia Kapzems (Germany) ⁴ Ms. Annija Vaska (Latvia) ³ Dr. Diāna Dakiča (Latvia) ⁵ Prof. Dace Gardovska (Latvia) ⁶ Prof. Kristaps Klavins (Latvia) ⁷	1. Rīga Stradiņš University; Children’s Clinical University Hospital, 2. Institute of Oncology and Molecular Genetics, Science Hub of Rīga Stradiņš University; Children’s Clinical University Hospital, 3. Institute of Biomaterials and Bioengineering, Faculty of Natural Sciences and Technology, Riga Technical University; Baltic Biomaterials Centre of Excellence, Headquarters at Riga Technical University, 4. Johanniter Krankenhaus Bonn, 5. Children’s Clinical University Hospital, 6. Department of Paediatrics, Faculty of Medicine, Rīga Stradiņš University, 7. Institute of Biomaterials and Bioengineering, Faculty of Natural Sciences and Technology, Riga Technical University