

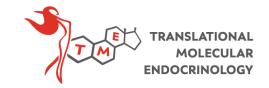
Scientific Meeting Translational Molecular Endocrinology*

17th September 2025

University of Ljubljana, Faculty of Medicine, Korytkova 2, 1000 Ljubljana, Slovenia

10:00-10:05	Welcome
	Vita Dolžan, Head of the Institute of Biochemistry and Molecular Genetics, UL MF, Ljubljana, Slovenia Borut Kobal, Head of the Division of Gynaecology and Obstetrics, UMC Ljubljana, Slovenia
10:10-11:20	Models of Hormone Dependent Diseases
	Chairs: Daniela Annibali and Maja Pušić Novak
10:10-10:30	Daniela Annibali , KU Leuven, Leuven, Belgium Deciphering Serine Metabolism Adaptations in Platinum Resistant Ovarian Cancers: Concepts and Tools
10:30-10:50	Gaby Steba, UMC Utrecht, Netherlands Using 3D Endometrial Organoid Models to Study Infertility
10:50-11:05	Amruta Pathare, CELVIA, Tartu, Estonia Semaglutide and Embryo Implantation: Insights from Hormonally Treated In-Vitro Models
11:05-11:20	Maja Pušić Novak, UL MF, Ljubljana, Slovenia Phenotypic and Functional Characterization of Primary Endometriotic Stromal Cells
11:20-12:00	Coffee break and Poster session
12:00-13:30	Molecular Mechanisms of Hormone Dependent Diseases
	Chairs: Karl Storbeck and Marija Gjorgoska
12:00-12:20	Karl Storbeck , Stellenbosch University, Stellenbosch, South Africa Computational Modeling of Androgen Metabolism in High-Grade Serous Ovarian Cancer
12:20-12:35	Vesna Šalamun , University Medical Centre Ljubljana, Slovenia Show me your endometrial transcriptome and I will tell you your body mass
12:35-12:50	Živa Ledinek , University Medical Centre Maribor, Slovenia The Influence of WNT Signalization and EMT on Endometrial Cancer Characteristics
12:50-13:10	Jurica Novak, Rudjer Bošković Institute, Zagreb, Croatia Update on Inhibitors of 176-Hydroxysteroid Dehydrogenase Type 1: Docking and Molecular Dynamic Simulations
13:10-13:25	Nika Marolt , UL MF, Ljubljana Slovenia Repurposing MPA and Mefenamic Acid for HGSOC: Inhibition of AKR1C as a Therapeutic Strategy
13:25- 15:00	Lunch break and Poster session





15:00-16:10	Diagnosis and Prognosis of Hormone Dependent Diseases
	Chairs: Polona Šafarič Tepeš and Jerzy Adamski
15:00 - 15:20	Polona Šafarič Tepeš , Northwell Health, New York, USA Natural Biopsies of the Endometrium: Insights from Menstrual Effluent into Iron-Regulated Migration pathways in Endometriosis
15:20-15:35	David Lukanović , University Medical Centre Ljubljana, Slovenia Can ATP7A Transporter Serve as a Biomarker for Predicting Chemoresistance in High Grade serous Ovarian Cancer?
15:35-15:50	Marija Gjorgoska, UL MF, Ljubljana, Slovenia Multi-steroid Profiling and Machine Learning Reveal Androgens as Promising Biomarker Candidates for Endometrial Cancer Diagnosis
15:50-16:05	Edi Muhaxhiri, University Medical Centre, Ljubljana, Slovenia Proteomic Profile of Uterine Cavity Lavage in Endometriosis Patients - Promising Approach for Biomarker Discovery and Pathophysiology Explanation
16:10- 16:30	Research on Hormone Dependent Diseases – Patients' Perspectives
	Chair: Vid Janša
16:10-16:20 16:20-16:30	Tjaša Franko, Endozavest, Slovenia Polona Selič Zupančič, Slovenia
16:30-17:00	Concluding Remarks
	Tea Lanišnik Rižner , program group Translational Molecular Endocrinology for Women's Health, UL MF, Ljubljana, Slovenia
17:30 -18:30	Social event: Ljubljanica boat tour

*Organized by the Laboratory for Translational Molecular Endocrinology UL MF and Association of Gynecologists and Obstetricians of Slovenia.

