

## Scientific Meeting Translational Molecular Endocrinology\*

17<sup>th</sup> September 2025

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

<b>10:00-10:05</b>	<b>Welcome</b>
	<b>Vita Dolžan</b> , Head of the Institute of Biochemistry and Molecular Genetics, UL MF, Ljubljana, Slovenia <b>Borut Kobal</b> , Head of the Division of Gynaecology and Obstetrics, UMC Ljubljana, Slovenia
<b>10:10-11:20</b>	<b>Models of Hormone Dependent Diseases</b>
	<b>Chairs: Daniela Annibali and Maja Pušić Novak</b>
10:10-10:30	<b>Daniela Annibali</b> , KU Leuven, Leuven, Belgium <i>Deciphering Serine Metabolism Adaptations in Platinum Resistant Ovarian Cancers: Concepts and Tools</i>
10:30-10:50	<b>Gaby Steba</b> , UMC Utrecht, Netherlands <i>Using 3D Endometrial Organoid Models to Study Infertility</i>
10:50-11:05	<b>Amruta Pathare</b> , CELVIA, Tartu, Estonia <i>Semaglutide and Embryo Implantation: Insights from Hormonally Treated In-Vitro Models</i>
11:05-11:20	<b>Maja Pušić Novak</b> , UL MF, Ljubljana, Slovenia <i>Phenotypic and Functional Characterization of Primary Endometriotic Stromal Cells</i>
<b>11:20-12:00</b>	<b>Coffee break and Poster session</b>
<b>12:00-13:30</b>	<b>Molecular Mechanisms of Hormone Dependent Diseases</b>
	<b>Chairs: Karl Storbeck and Marija Gjorgoska</b>
12:00-12:20	<b>Karl Storbeck</b> , Stellenbosch University, Stellenbosch, South Africa <i>Computational Modeling of Androgen Metabolism in High-Grade Serous Ovarian Cancer</i>
12:20-12:35	<b>Vesna Šalamun</b> , University Medical Centre Ljubljana, Slovenia <i>Show me your endometrial transcriptome and I will tell you your body mass</i>
12:35-12:50	<b>Živa Ledinek</b> , University Medical Centre Maribor, Slovenia <i>The Influence of WNT Signalization and EMT on Endometrial Cancer Characteristics</i>
12:50-13:10	<b>Jurica Novak</b> , Rudjer Bošković Institute, Zagreb, Croatia <i>Update on Inhibitors of 17β-Hydroxysteroid Dehydrogenase Type 1: Docking and Molecular Dynamic Simulations</i>
13:10-13:25	<b>Nika Marolt</b> , UL MF, Ljubljana Slovenia <i>Repurposing MPA and Mefenamic Acid for HGSOc: Inhibition of AKR1C as a Therapeutic Strategy</i>
<b>13:25- 15:00</b>	<b>Lunch break and Poster session</b>

**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      **Tjaša Franko**, Endozavest, Slovenia

16:20-16:30      **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: Ljubljana boat tour**

\*Organized by the Laboratory for Translational Molecular Endocrinology UL MF and

Association of Gynecologists and Obstetricians of Slovenia.

