FROM FUNDAMENTAL UNDERSTANDING OF STEM CELLS TO REGENERATIVE THERAPIES: *BENCH-TO-BEDSIDE*

PROGRAMME

Friday July 4th 2025

15:00	**Registration**
16:00	Opening MU-Varna officials **Igor Resnick** (Varna, Bulgaria): Coordinator of the TRANSTEM project *Moderator of the conference*
16:15 – 17:15	**Manlio Vinciguerra** (Varna, Bulgaria): Coordinator of the TRANSTEM project *TRANSTEM Overview and Main Results*
17:15 – 18:15	**Sergio Sciacca** (Palermo, Italy) *Cardiac Regeneration: New Hope for an Old Dream*
18:30	Reception

Saturday July 5th 2025

09:00 – 09:30	**Ilina Micheva** (Varna, Bulgaria) *Allogeneic Stem Cell Transplantation at "St Marina" University Hospital: The Role and Impact of Donor Selection*
09:30 – 10:00	**Desislava Tsoneva** (Varna, Bulgaria) *Plasma Histones in Oncological Diseases: Potential for Minimally Invasive Detection*
10:00 – 10:15	**Nikol Daskalova** (Varna, Bulgaria) *Circulating Histones in Acute Myeloid Leukemia: Biomarker Potential and Implications*
10:15 – 10:30	**Trifon Chervenkov** (Varna, Bulgaria) *High-Definition Biology: Opportunities and Obstacles in Single-Cell Multi-Omics*
10:30 – 10:45	**Maria Teneva** (Varna, Bulgaria) *Neoplastic Stem Cells in Multiple Myeloma*
10:45 – 11:30	Coffee break

11:30 – 12:00 **Irina Zeidman** (Jerusalem, Israel)
Hematopoietic Cell Transplantation for Inborn Errors of Metabolism

12:00 – 12:30 **Michael Zeidman** (Jerusalem, Israel)
Stem Cells Application in Orthopedics

12:30 – 13:30 **Tommaso Mazza** (Rome, Italy)
Mitochondrial Genomics for Stem Cell Research

13:30 – 15:00 Lunch break

15:00 – 15:30 **Anton B. Tonchev** (Varna, Bulgaria)
Neural Stem Cells in the Primate Brain

15:30 – 16:00 **Martin N. Ivanov** (Varna, Bulgaria)
Apelin System and its Role for Neurogenesis

16:00 – 16:30 **Zdravka Ivanova and Georgi Minkov** (Plovdiv/Varna, Bulgaria)
Differentially Expressed Long Non-Coding RNAs in Monkey Stem Cell Niche after Ischemia

16:30 – 17:00 Coffee break

17:00 – 17:30 **Christina Grupcheva** (Varna, Bulgaria)
Corneal Regeneration - Translation to Vision and Comfort

17:30 – 18:00 **Andreas Kontny** (Varna, Bulgaria)
Limbal stem cells niche

18:30 Official dinner

Sunday July 6th 2025

09:30 – 10:15 **Kostadin Gramatikoff** (Sofia/Varna, Bulgaria)
Digital Twins: Ontology, Praxis and Discovery

10:15 – 10:45 **Vassil Karaivanov** (Varna, Bulgaria)
Tech Transfer Approach and Activities of OTTI, MU-Varna

10:45 – 11:15 **Igor Resnick** (Varna, Bulgaria)
Perspectives in Stem Cell Therapy in Bulgaria

11:15 – 12:00 **Round table discussion:** *Future of Stem Cell Research*

12:00 Concluding remarks

12:30 Lunch

Medical University Varna "Prof. Dr. Paraskev Stoyanov"

TranStem