



Financed by
the European Union
NextGenerationEU



MINISTRY
OF EDUCATION
AND SCIENCE



WORKSHOP ON TRANSLATIONAL MEDICINE WITHIN THE STRATEGIC RESEARCH PROJECT

Plovdiv • 27-28 June, 2025 • 1st Auditorium / Study Corpus 1

“STRATEGIC RESEARCH AND INNOVATION PROGRAMME
FOR THE DEVELOPMENT OF MEDICAL UNIVERSITY – PLOVDIV (SRIPD-MUP)”,
CONTRACT № BG-RRP-2.004-0007-C01

Research groups:

3.1.4 3D bioprinting as a platform for drug screening and disease modelling

3.2.2 Molecular signatures and cell metabolism in neoplastic
and neurodegenerative diseases

Meeting language: English

PROGRAM:

27.06, Friday

9.00-9.30 **Registration**

9.30-9.45 **Opening and Introduction to the Strategic Research Project
by the Management Board:**

Prof. Angel Uchikov, Project Coordinator

Prof. Nikoleta Traykova, Deputy Chairperson

Prof. Maria Tokmakova, Research Coordinator

Assoc. Prof. Nikolay Mehterov, Moderator

9.45-10.15 **Prof. Victoria Sarafian**

Medical University – Plovdiv, Bulgaria

“Molecular and regenerative medicine at MU-Plovdiv - new horizons”

10.15-10.45 **Prof. Feza Korkusuz**

Hacettepe University, Ankara, Türkiye

“Articular Joint Cartilage Regeneration”

10.45-11.15 **Prof. Petek Korkusuz**

Hacettepe University, Ankara, Türkiye

**“Stem Cell Exosome-Nanocarrier Based Personalized Therapies for
Targeted Bone Regeneration: Are We Ready for Translation?”**



11.15-11.30	Coffee Break
11.30-12.00	<i>Prof. Mustafa Celebier</i> Hacettepe University, Ankara, Türkiye “Metabolomics-Based Exploration of Molecular Signatures and Cellular Metabolism”
12.00-12.30	<i>Prof. Colin McGuckin</i> CTI Biotech, Lyon, France “Personalized chemotherapy assessment from 3D bioprinted primary patient tumors is now possible – a French-Bulgarian collaboration”
12.30-13.00	<i>Dr. Nico Forraz</i> CTI Biotech, Lyon, France “The world’s most sophisticated 3D bioprinted skin tissues, for drug and vaccine screening”
13.00-13.10	Questions and discussion
13.10-14.00	Lunch Break
14.00-14.30	<i>Prof. Michael Ausserlechner</i> Medical University Innsbruck, Innsbruck, Austria "Vascularized, 3D-bioprinted tumor-on-chip models for precision medicine drug testing"
14.30-14.50	<i>Dr. Antonia Degen</i> Medical University Innsbruck, Innsbruck, Austria "Advanced Modeling of LCHADD/VLCADD with 3D-Bioprinting and induced-Pluripotent Stem Cell Technology"
14.50-15.10	Coffee Break
15.10-15.40	<i>Prof. Stefan Schrufer</i> RevoBITs, Friedrich-Alexander University Erlangen-Nurnberg, Erlangen, Germany “Quality by Design: How In-line Characterization Enhances Biomaterial Performance in 3D Bioprinting”
15.40-16.00	<i>Ruben Scheuring, PhD student</i> RevoBITs, Friedrich-Alexander University Erlangen-Nurnberg, Erlangen, Germany “Cutting-edge Multimaterial Bioprinting for Advanced Formulation Screening and Tissue Engineering”.
16.00-16.15	Questions and discussion
18.00	Social event
20.00	Dinner

28.06, Saturday

9.00-9.30 **Registration**

9.30-10.00 ***Prof. Ioana Neagoe***

Research Center for Functional Genomics, Biomedicine and Translational Medicine, Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca, Romania

“Noncoding RNAs in lung cancer: where we stand in translational oncology”

10.00-10.20 ***Ecaterina Isacescu, PhD student***

Research Center for Functional Genomics, Biomedicine and Translational Medicine, Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca, Romania

“Identifying New Drug Candidates through Gene Expression Analysis in Anaplastic Thyroid Carcinoma”

10.20-10.40 ***Andrata Lovita, PhD student***

Research Center for Functional Genomics, Biomedicine and Translational Medicine, Iuliu Hatieganu University of Medicine and Pharmacy, Cluj-Napoca, Romania

“Exploring Molecular Achilles' Heel in LUSC: A Drug Screening Perspective”

10.40-11.10 ***Prof. Emanuela Signori***

CNR- Institute of Translational Pharmacology, Rome, Italy
University Campus Bio-Medico of Rome, Italy

“Electroporation Technology applied to Personalized Medicine”

11.10-11.25 **Questions and discussion**

11.25-11.40 **Coffee Break**

11.40-12.10 ***Dr. Mariangela De Robertis***

University of Bari ‘A. Moro’, Bari, Italy

“Molecular, metabolic and microbial signatures in colorectal cancer under the effect of diet”

12.10-12.40 ***Prof. Christos Kontos***

National and Kapodistrian University of Athens, Athens, Greece

“Circular RNAs: highly promising molecular biomarkers in multiple myeloma”

12.40 -13.10 ***Prof. Jérôme Zoidakis***

National and Kapodistrian University of Athens, Athens, Greece

“Elucidation of molecular features associated with progression of monoclonal gammopathies to multiple myeloma”

13.10-14.00 **Lunch Break**

14.00-14.30 ***Dr. Claudio Pulito***

IRCCS Regina Elena National Cancer Institute, Rome, Italy

"Drug-induced PLK1 inhibition overrides microRNA-dependent PTEN downregulation in resistance to PI3K α inhibitors in head and neck squamous cell carcinoma."

14.30-15.00 ***Dr. Giovanni Blandino***

IRCCS Regina Elena National Cancer Institute, Rome, Italy

"Tumor derived organoids: a 3D tool to predict patient response to precision oncology"

15.00-15.15 **Questions, discussion and closing remarks**

19.00 **Dinner**

