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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 ***Prof. Mustafa Celebier***

Hacettepe University, Ankara, Türkiye

„Metabolomics-Based Exploration of Molecular Signatures and Cellular Metabolism“

12.00-12.30 ***Prof. Colin McGuckin***

CTI Biotech, Lyon, France

„Personalized chemotherapy assessment from 3D bioprinted primary patient tumors is now possible – a French-Bulgarian collaboration“

12.30-13.00 ***Dr. Nico Forraz***

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 ***Prof. Michael Ausserlechner***

Medical University Innsbruck, Innsbruck, Austria

„Vascularized, 3D-bioprinted tumor-on-chip models for precision medicine drug testing“

14.30-14.50 ***Dr. Antonia Degen***

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 ***Stefan Schrufer, PhD student***

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 ***Ruben Scheuring, PhD student***

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 Berindan-Neagoe**

Genomics Department, MEDFUTURE - Institute for Biomedical Research,
„Iuliu Hațieganu“ University of Medicine and Pharmacy, Cluj-Napoca, Romania
**„Noncoding RNAs in lung cancer: where we stand
in translational oncology“**

10.00-10.20 **Ekaterina Isachesku, PhD student**

Genomics Department, MEDFUTURE - Institute for Biomedical Research,
„Iuliu Hațieganu“ University of Medicine and Pharmacy, Cluj-Napoca, Romania
**„Identifying New Drug Candidates through Gene Expression Analysis
in Anaplastic Thyroid Carcinoma“**

10.20-10.40 **Andrada Ioviță, PhD student**

Genomics Department, MEDFUTURE - Institute for Biomedical Research,
„Iuliu Hațieganu“ 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

„MicroRNA-mediated PTEN downregulation as a novel non-genetic mechanism of acquired resistance to PI3Kα 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**

