

**MINISTRY OF HEALTH OF THE REPUBLIC OF MOLDOVA
NICOLAE TESTEMITANU STATE UNIVERSITY
OF MEDICINE AND PHARMACY**

**LABORATORY OF TISSUE ENGINEERING AND CELLS CULTURES
HUMAN TISSUE BANK, ORTHOPEDICS AND TRAUMATOLOGICAL HOSPITAL**



**The Materials of the National Scientific Conference
with International Participation
„CELLS AND TISSUES TRANSPLANTATION.
ACTUALITIES AND PERSPECTIVES. THE 4th EDITION.”**

Chisinau, March 20-21, 2026

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Ceban Emil, Minister of Health of the Republic of Moldova, MD, PhD, Academician, Professor.

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Secretariate

Taralunga Tatiana, MD, researcher, PhD-Student.

Nacu Ana-Maria, researcher, student.

AGENDA

Registration

March, 20, 2026

Opening ceremony 15:00 - 15:20

Ceban Emil, Minister of Health of the Republic of Moldova, MD, PhD, Academician, Professor.

Romanciuc Grigore, Head of Agency of Transplantation, Republic of Moldova.

Stepa Serghei, PhD, Director at Clinical Hospital of Orthopedics and Traumatology, Republic of Moldova.

Nacu Viorel, MD, PhD, MPH, Head of Human Tissue Bank at Clinical Hospital of Orthopedics and Traumatology, Responsible for Laboratory of Tissue Engineering and Cells Cultures at SUMPh *Nicolae Testemitanu*. Republic of Moldova.

Andrei Nica, MD, PhD, Head of Human Tissue Bank at Clinical Hospital *Colentina*, Romania.

DAY ONE – 20 March 2026

PLENARY MEETING

1. **15:20-15:40. Viorel Nacu, Serghei Stepa, Adrian Cociug, Vitalie Cobzac, Cornelia Gutu-Bahov, Tatiana Tambalari.** Thirteen Years of Activity of the Human Tissue Bank at Clinical Hospital of Orthopedics and Traumatology. *Chisinau, Republic of Moldova.*
2. **15:45-16:05. Andrei Nica, Bogdan Camin, Gheorghe Iacob, Roxana Malaescu, Simona Stoica, Daniela Ciclosan, Ionut Teodoriu.** Management of Human Tissue Grafts from Retrieval to Distribution. *Bucharest, Romania.*

SESSION 1

Oral presentations

Moderators: Ficai Anton, PhD, Professor, (Romania); **Romanciuc Grigore**, MD, PhD, (Republic of Moldova)

1. **16:10-16:20. Alina Stoian, Alexandra Aparece, Mariana Jian, Vitalie Cobzac, Viorel Nacu.** Lymphatic Tissue Engineering: Experience of the Laboratory of Tissue Engineering and Cell Culture at *Nicolae Testemitanu* State University of Medicine and Pharmacy, *Chisinau, Republic of Moldova.*
2. **16:25-16:35. Vitalie Cobzac, Stefan Cojocari, Mariana Jian, Alina Stoian, Ana-Maria Nacu, Ludmila Motelica, Roxana Truşca, Anton Ficai, Viorel Nacu.** Human Collagen-Based Hydrogel with Zinc Oxide Nanoparticles for Articular Cartilage Engineering. *Chisinau, Republic of Moldova, Bucharest, Romania.*
3. **16:40-16:50. Mariana Jian, Denisa Ficai, Ludmila Motelica, Ovidiu Oprea Cristian, Vitalie Cobzac, Ana-Maria Nacu, Andrei Mostovei, Roxana Trusca, Anton Ficai, Viorel Nacu.** Advanced Biomaterials for Bone Regeneration. *Bucharest, Romania. Chisinau, Republic of Moldova*

4. **16:55-17:05. Maria Mihalachi-Anghel, Galina Spinosu, Nicolae Bacinschi.** Immunosuppressive Agents Used in Organ Transplantation. *Chisinau, Republic of Moldova.*
5. **17:10-17:20 Adrian Cociug, Olga Macagonova, Lilia Dumbraveanu, Vitalie Procopciuc, Valeriu Cusnir jr., Vitalie Cusnir, Valeriu Cusnir, Viorel Nacu.** Evaluation of Corneal Graft Quality in a Human Tissue Bank: a 12-year Retrospective Study (2013-2025). *Chisinau, Republic of Moldova.*

SESSION 2

Moderators: Cobzac Vitalie, MD, PhD (Republic of Moldova), Palarie Victor, MD, PhD (Republic of Moldova)

1. **17:25-17:35. Maria Iacubitchii, Eugeniu Bendelic, Tatiana Taralunga, Viorel Nacu.** From Cells to Flow: Bioengineering Schlemm's Canal Endothelium as a Novel Therapy for Glaucoma. *Chisinau, Republic of Moldova.*
2. **17:40-17:50. Tatiana Taralunga, Elena Scheghelskaya, Maxim Taralunga, Adrian Vicol, Maria Iacubitchii, Ala Paduca, Eugeniu Bendelic, Viorel Nacu.** Methods of Glaucoma Induction in Experimental Models. *Chisinau, Republic of Moldova.*
3. **17:55-18:05. Dionisie Cebotari, Evgheni Grusac, Silvia Stratulat, Olga Garbuz, Veronica Sardari.** Metabolic Rewiring in Prostate Cancer *via* Zinc-Induced Mitochondrial Aconitase Inhibition: Perspectives for Post-Oncological Tissue Transplantation. *Chisinau, Republic of Moldova.*

DAY TWO – 21 March 2026

Session 1

Poster session

Moderators: Denisa Fikai, PhD (Romania), Nacu Viorel, MD, PhD

8:00-9:00

Session 2

Oral presentations

Moderators: Labusca Luminita, MD, PhD (Romania); Babuci Angela, MD, PhD (Republic of Moldova).

1. **09:00-09:30. Luminita Labusca.** The Role of the Synovial Tissue in Osteoarthritis Occurrence and Progression. *Iasi, Romania.*
2. **09:35-09:45. Cristiana Tripadus, Alexandru Ghetiu, Nicolae Chele, Sirbu Dumitru.** ADSC-Enriched Autologous Fat Grafting in Facial Rejuvenation. *Chisinau, Republic of Moldova.*

3. **09:55-10:05. Olga Macagonova.** Biological Biomaterials in Cutaneous Regeneration: Experimental Studies and Rationale for Clinical Application. *Chisinau, Republic of Moldova.*
4. **10:10-10:20. Alexandru Adam, Kristi Gonta, Daniel Prozorovschi, Constantin Florea, Viorel Nacu.** The Development of Low-Cost Simulators for Medical Training in Punctures. *Chisinau, Republic of Moldova.*
5. **10:25-10:35. Ianos Coretchi, Vladimir Topciu.** Potential Molecular Targets for Prevention and Treatment of Persistent Postoperative Pain. *Chisinau, Republic of Moldova.*

Session 3 Oral Presentations

Moderators: Andrei Nica, MD, PhD (Romania), Ianos Coretchi, MD, PhD (Republic of Moldova).

6. **10:40-10:50. Valeriana Pantea, Ecaterina Pavlovschi , Veronica Sardari, Inna Svet, Olga Tagadiuc.** *In vitro* Modulation of Pseudocholinesterase Activity by Cu-Thiosemicarbazone Compounds in the Rat C6 Gliom Cells. *Chisinau, Republic of Moldova.*
7. **10:55-11:05. Patricia Catinsus, Angela Babuci.** The Molecular Substrate of the Human Species: Differences Between Male and Female Sex. *Chisinau, Republic of Moldova.*
8. **11:10-11:20. Daniel Cristea, Veronica Sardari.** Oxidative Stress and its Impact on Bone Graft Integration after Oncologic Therapy. *Chisinau, Republic of Moldova.*
9. **11:25-11:35. Daniel Cristea, Veronica Sardari.** Rank/Rankl/Opg Signaling in Bone Graft Integration in Oncologic Patients. *Chisinau, Republic of Moldova.*
10. **11:40-11:50. Veronica Capanji, Ludmila Sidorenco, Viorel Nacu.** Cardiomyocyte Maturation: Advances and Implications for Medicine. *Chisinau, Republic of Moldova.*

11:50 CONFERENCE CLOSING CEREMONY