

**UNIVERSITY
GEOMEDI**



**IVth International
Scientific Conference
“Modern Problems of
Medicine and
Management”**

Programme

May 6-7th, 2026

Tbilisi, Georgia

Organisation committee:

Marina Pirtskhalava

**Doctor of Biological Sciences, Professor,
Academician;**

Founder and Rector of University GEOMEDI

Giovanni Roviello, Senior Researcher, Institute of
Biostructures and Bioimaging (IBB), Italian National
Council for Research (CNR), Naples, Italy

Valentina Mittova, PhD., Professor, Director of the
Scientific-Research Institute of Experimental and
Clinical Medicine, University Geomedi

Alexandre Loladze, MD. PhD., Vice-Rector,
University Geomedi

Presentation duration 10 minutes

Questions 5 minutes

May 6th, 2026

University visits, clinic tours

14.00-14.20 Geomedi University

14.20-14.40 Simulation Clinic

14.40-15.00 Dental Clinic

15.00-15.30 Lunch time

16.00-16.30 Rehabilitation Clinic

Old Tbilisi tour

May 7th, 2026

Opening Ceremony

10-10.10 A Rector's opening speech

MARINA PIRTSKHALAVA

**Doctor of Biological Sciences, Professor,
Academician;**

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Chairpersons: Dr. Giovanni Roviello and Prof. Valentina Mittova

10.10-10.25 - *Dr. Avetis Hovhannes Tsaturyan*

Innovation, Sustainability, Progress: the Mission of the SPC
“Armbiotechnology” NAS RA

10.25-10.40 - *Dr. Giovanni Roviello*

From Environmental Exposure to Molecular Medicine:
Integrating BVOCs, Medicinal Plants, Dietary Compounds,
Digital Phenotyping and Molecular Docking for Health
Applications

10.40-10.55 - *Dr. Tibor Janda*

Alkaloid Production in *Catharanthus roseus* Can Be Modified
by Different Light Conditions

10.55-11.10 - Prof. Valentina Mittova

Antibacterial and Antioxidant Potential of Leaf and Root Extracts of *Thymus tiflisiensis* Klovov & Des.-Shost, an Endemic Georgian Species

11.10-11.25 - Dr. Raffaele Pastore

Ultrastructural Remodelling of the Mitochondria-Lysosome Interface in NPC2-Deficient Cells: Implications for Organellar Tethering Homeostasis (online presentation)

11.25-11.40 - Dr. Ioseb Begashvili

Do We Need More Oxygen in Cardiac Surgery?

11.40-11.55 - Dr. Grigol Tchatchia

Evaluation of Intraoperative Ultrasound and Modern Neurosurgical Modalities

11.55-12.05 - Discussion

12.05-12.15 Coffee Break

12.15-12.30 - Prof. Ekaterine Kipiani

Spatial Memory Affected by Importin-Mediated Signalling

12.30-12.45 - Iwona Turkowska

Coffee and Caffeine in Depression: Symptom-Level Modulation and Challenges in Nutripsychiatric Interpretation (online presentation)

12.45-13.00 - Ass. Prof. Maka Zardiashvili

Optimizing HPV Vaccination Strategies: Comparative Effectiveness, Immunogenicity, and Public Health Implementation

13.00-13.15 - Prof. Mariam Kharaisvili

Pelvic Organ Prolapse and Its Surgical Treatment in Menopausal Women

13.15-13.30 - Dr. Giorgi Imedashvili

Neuroleukemia as a Rare Complication of T-Cell Lymphoma: A Case Report (online presentation)

13.30-13.45 - Ass. Prof. Khatuna Makalatia

Phage Therapy: Historical Development and Future Potential with Reference to Phage Preparations Produced in Georgia

13.45-14.00 - Prof. Nino Motsolenidze

Management and Strategic Planning of Geomedi University Dental Clinic

14.00-14.10 - Discussion

14.10-14.40 - Lunch Break

Chairpersons: Ass. Prof. Aleksandre Loladze and Prof. Nino Motsolnelidze

14.40-14.55 - Prof. Inga Benashvili

Determinants of Outpatient Care Utilization and Healthcare Service Efficiency in Georgia. A Regression Analysis.

14.55-15.10 - Prof. Revaz Lordkipanidze

The Pros and Cons of Healthcare Management in the Most Developed Countries

15.10-15.25 - Dr. Dimitri Kobakhidze

New Approaches to Managing Generations: Gen Z and Millennials in Contemporary Organizations

15.25-15.40 - Ass. Prof. Aleksandre Loladze,

Virtual Reality for Teaching Regional Anaesthesia
Techniques in Undergraduate Medical Education:
Focus on Spinal and Epidural Anaesthesia

15.40-15.55 - Dr. Ia Jikia

English Loanwords and Terminological Change in Georgian Medical Academic and Clinical Discourse

15.55-16.10 - Prof. Eliso Murvanidze

Adaptive Physical Activity in Patients Aged 60–70

16.10-16.25 Ass. Prof. Ekaterina Botchkova

Evaluating the Efficacy of Formative MCQs on Student Learning Outcomes in Cardiovascular System Biochemistry Module

16.25-16.40 - Discussion

16.40-17.00 Certificates and closure

Dr. Avetis Hovhannes Tsaturyan, Director of SPC “Armbiotechnology” of the National Academy of Sciences of the Republic of Armenia, Associate Professor of Yerevan State University, Yerevan, Armenia

Dr. Giovanni Roviello, Senior Researcher, Institute of Biostructures and Bioimaging (IBB), Italian National Council for Research (CNR), Naples, Italy

Dr. Tibor Janda, Head of the Department of Plant Physiology and Metabolomics Agricultural Institute, HUN-REN Centre for Agricultural Research, Martonvásár, Hungary

Prof. Valentina Mittova, Director of the Scientific-Research Institute of Experimental and Clinical Medicine, Geomed University, Tbilisi, Georgia

Dr. Raffaele Pastore, Department of Medicine and Health Sciences ‘Vincenzo Tiberio’, University of Molise, Campobasso, Italy

Dr. Ioseb Begashvili, University Clinic “Open Heart”, Tbilisi, Georgia

Dr. Grigol Tchatchia, Medical Centre “Innova”, Tbilisi, Georgia

Prof. Ekaterine Kipiani, Geomed University, Tbilisi, Georgia

Iwona Turkowska, Institute of Health Sciences, University of Opole, Opole, Poland

Ass. Prof. Maka Zardiashvili, Geomed University, Tbilisi, Georgia

Prof. Mariam Kharaisvili, Georgian American University, Tbilisi, Georgia

Dr. Giorgi Imedashvili, Tbilisi State Medical University; High Technology Medical Center, Tbilisi, Georgia

Ass. Prof. Khatuna Makalatia, Dean of the Faculty of Medicine, Geomed University, Tbilisi, Georgia

Prof. Nino Motsolenidze, Head of the University Dental Clinic, Geomed University, Tbilisi, Georgia

Prof. Inga Benashvili, Geomed University, Tbilisi, Georgia

Prof. Revaz Lordkipanidze, Geomed University, Tbilisi, Georgia

Dr. Dimitri Kobakhidze, Dean of the Faculty of Health Care Economics and Management, Geomed University, Tbilisi, Georgia

Ass. Prof. Ekaterina Botchkova, Head of Molecular Medicine Laboratory, Scientific-Research Institute of Experimental and Clinical Medicine, Geomed University, Tbilisi, Georgia

Dr. Ia Jikia, Geomed University, Tbilisi, Georgia

Prof. Eliso Murvanidze, Geomed University, Tbilisi, Georgia

Ass. Prof. Aleksandre Loladze, Geomed University, Tbilisi, Georgia