



# MEDIC 2025

## Medicine: Innovations and Challenges 2025

25-27 November, 2025  
Tbilisi, Georgia  
[www.tma.edu.ge/medic2025](http://www.tma.edu.ge/medic2025)



The conference has been accredited by EACCME® with 14.5 European CME credits

Host and organizer – Petre Shotadze Tbilisi Medical Academy (TMA)

## Program

The "Medicine: Innovations and Challenges 2025" conference will be held in a hybrid form, during three days from November 25 to November 27, 2025. The program includes the following activities:

November 25	
To attend the conference online please follow the link - <a href="https://meet.google.com/hzx-hvxq-nxs">meet.google.com/hzx-hvxq-nxs</a>	
<b>TBILISI: 10:30 – 10:50</b>	Registration and ice breaking, morning coffee
<b>TBILISI: 10:50 – 11:00</b>	Opening ceremony
<b>TBILISI: 11:00 – 12:00</b> <b>BRUSSELS: 8:00 – 9:00</b> <b>NEW YORK: 2:00 – 3:00</b> 2 <sup>nd</sup> floor conference room	Why is the nexus research - education in medical curricula essential to deliver medical doctors fit for purpose? <i>Josette Denekens, Tbilisi Medical Academy</i>
	Interprofessional education <i>Janusz Janczukowicz, Medical University of Lodz (online)</i>
<b>TBILISI: 12:00 – 12:20</b>	Coffee break and Networking
<b>TBILISI: 12:20 – 13:40</b> <b>BRUSSELS: 9:20 – 10:40</b> <b>NEW YORK: 3:20 – 4:40</b> 2 <sup>nd</sup> floor conference room	Classification of molecular targets to improve cancer treatment <i>Ian A. Cree, Tbilisi Medical Academy</i>
	HPV research as a model for translational medicine: from the lab bench to public health policy <i>Andreas Kaufmann, Charite Medical University</i>
	The value of fundamental research for societal success <i>Alexander Hasgaal, Independent expert for higher education and research policy (online)</i>
<b>TBILISI: 13:40 – 14:00</b>	Coffee break and Networking
<b>TBILISI: 14:00 – 15:00</b> <b>BRUSSELS: 11:00 – 12:00</b> <b>NEW YORK: 5:00 – 6:00</b> 2 <sup>nd</sup> floor conference room	<b>Panel – Innovation, Education, and Digital Transformation</b> This panel explores how innovation, digital transformation, and humanistic values converge in shaping the future of medical education and research. It brings together perspectives on the evolving role of empathy in medical training, the integration of open collaboration between academia and industry. The session also features a creative student-led contribution showcasing how digital storytelling can transform public health education and raise awareness about environmental determinants of health. Together, the presentations demonstrate how innovation in medicine extends beyond technology—embracing creativity, collaboration, and compassion. <b>Moderator: Maia Zarnadze, Tbilisi Medical Academy</b> <ul style="list-style-type: none"> <li>- Integration of digital health competencies in medical education, <i>Ekaterina Kldiashvili, Tbilisi Medical Academy</i></li> <li>- A glimpse into empathy: insights from Georgian medical students, <i>Kakha Bregvadze, Tbilisi Medical Academy</i></li> </ul> Whispers of Danger: Exploring the Effects of Decibels on Heartbeats, <i>Rishu Girish Shah &amp; Tamar Dandurishvili, Tbilisi Medical Academy</i>
<b>TBILISI: 15:00 – 15:45</b>	Lunch
<b>TBILISI: 15:45 – 16:45</b> <b>BRUSSELS: 12:45 – 13:45</b> <b>NEW YORK: 6:45 – 7:45</b> 2 <sup>nd</sup> floor conference room	<b>Panel – Science with and for Society</b> This panel explores how science becomes most impactful when it is open, responsible, and connected to the communities it serves. Through global and local perspectives, it examines how research assessment reform, open infrastructures, public engagement, and education can make science more trustworthy, transparent, and socially relevant. From European infrastructures such as OpenAIRE to youth-led and community-based initiatives in Georgia and the United States, the session demonstrates

	<p>how collaboration between researchers, educators, and citizens can turn scientific knowledge into tangible societal benefit.</p> <p><b>Moderators: Saif Al-Rustum &amp; Tamaz Revazishvili, Tbilisi Medical Academy</b></p> <ul style="list-style-type: none"> <li>- Students for public health: community outreach activity in the village of Shroma, Guria, <i>Mariam Jorbenadze, Nana Katchiuri, Saba Zakradze, Elene Liluashvili, Elene Gubeladze, Tbilisi Medical Academy</i></li> <li>- From paradigm to adoption: transitioning to Open Infrastructures for responsible research assessment, <i>Angeliki Tzouganatou, OpenAIRE (online)</i></li> <li>- Public awareness and health risk perception of outdoor air pollution in Tbilisi: an exploratory study, <i>Silvia Zanetti, Manizha Khakimova, Akkon University of Applied Sciences</i></li> <li>- Empowering voices, shaping futures: advancing youth-led research and public engagement in health innovation, <i>Michelle Burbage; University of Cincinnati (online)</i></li> <li>- The role of medical schools in health education for the community, <i>Alberto Musto; Eastern Virginia Medical School (online)</i></li> </ul>
TBILISI: 15:45 – 17:15	<p><b>Interactive session – biological nature, uniqueness, and diagnostic challenges of HDA and prions (closed meeting – by invitation only)</b>  <i>Mladen Krajacic; Tbilisi Medical Academy</i>  <b>TMA – at place, 2nd floor, room 205</b></p>
	<p><b>Workshop – Basics of research proposal (day 1, closed meeting – by invitation only)</b>  <i>Saba Iordanishvili; Tbilisi Medical Academy</i>  <b>TMA – at place, Exhibition hall</b></p>
	<p><b>Medical Data Analysis (part one): Understanding Medical Data</b>  <i>Thomas Schrader, Brandenburg University of Applied Sciences and Tbilisi Medical Academy &amp; Jessica Hochwald, Brandenburg University of Applied Sciences</i>  <b>TMA – at place, 4th floor, Library hall</b></p>
<b>TBILISI: 17:00 – 18:30</b>  <b>2<sup>nd</sup> floor conference room</b>	<p><b>Doctoral study at TMA – themes presentation and meeting with potential supervisors</b>  <b>TMA – at place, 2nd floor conference room</b></p>
<b>November 26</b> <b>To attend the conference online please follow the link – <a href="https://meet.google.com/dop-mmmw-vks">meet.google.com/dop-mmmw-vks</a></b>	
<b>TBILISI: 10:00 – 10:30</b>	Registration and morning coffee, Networking
<p style="text-align: center;"><b>TMA - at place, 2<sup>nd</sup> floor conference room</b></p>	
<b>TBILISI: 10:30 – 11:30</b> <b>BRUSSELS: 7:30 – 8:30</b> <b>NEW YORK: 1:30 – 2:30</b>  <b>2<sup>nd</sup> floor conference room</b>	<p><b>Panel – Doctoral Education: The Combination of Research, Innovation and Education</b>  This panel discusses how doctoral education stands at the intersection of research, innovation, and higher education — shaping the next generation of researchers and innovators in an evolving European Research Area. Twenty years after the Salzburg Principles, speakers from EUA-CDE, CoARA, and Clarivate reflect on how doctoral training has transformed through responsible research assessment, open science, and digital tools. The session explores how universities can create inclusive, innovative, and ethically grounded doctoral ecosystems that prepare researchers not only for academia but also for diverse societal roles.</p> <p><b>Moderators: Dea Goderdzishvili &amp; Saba Iordanishvili, Tbilisi Medical Academy</b></p> <ul style="list-style-type: none"> <li>- Doctoral education 20 years after Salzburg: where are we now? <i>Simon Marti, EUA-CDE (online)</i></li> <li>- Building research capacity through doctoral training: reflections on embedding PhD training within the ChangePHC project in Georgia, <i>Ana Lomtadze, Ilia State University</i></li> <li>- Trust in science – the role of responsible and meaningful research assessment, <i>Erzsebet Toth Czifra, CoARA (online)</i></li> <li>- Smarter research with AI, <i>Iryna Tykhonkova, Clarivate</i></li> </ul>
	<p><b>Beyond Hepatitis D: unveiling the bizarre biology of the Delta agent</b>  <i>Mladen Krajacic, Tbilisi Medical Academy</i>  <b>TMA - at place, 2<sup>nd</sup> floor, room 205</b></p>

<b>TBILISI: 11:30 – 11:50</b>	Coffee break and Networking
<b>TBILISI: 11:50 – 13:00</b> <b>BRUSSELS: 8:50 – 10:00</b> <b>NEW YORK: 2:50 – 4:00</b>  <b>2<sup>nd</sup> floor conference room</b>	Liposomal encapsulation of <i>Salmonella</i> phages <i>Mladen Krajacic, Saba Iordanishvili*, Manana Loladze, Taras Gabisonia</i>
	Hepatitis C virus reinfection among people who inject drugs in Georgia <i>George Kamkamidze*, Liana Shengelaia, Emeli J Anderson, Maia Butsashvili, Lasha Gulbiani, Giorgi Kanchelashvili, Jack Dehovitz, Mamuka Djibuti, Tomoko Udo, NeoLab &amp; Tbilisi Medical Academy</i>
	Tumor-targeting peptides for the development of selective therapies <i>Nuno Bernardes, Institute for Bioengineering and Biosciences (online)</i>
	Investigating Q fever risk factors using logistic regression in the country of Georgia <i>Farshad Parsayan*, Ali Parsayan, Giorgi Chakhunashvili</i>
	Challenges in standardizing medical processes and documents <i>Veith A., Schmidt J., Schrader T, Brandenburg University of Applied Sciences and Tbilisi Medical Academy</i>
	Study of the effects of deep brain stimulation of the entorhinal cortex on memory function in a rat model of aging induced by administration of D-galactose <i>Teona Shavadze, Devika Das Thiruthara Haridas, Adil Ayaz, David Marjanidze, Maia Burjanadze, Manana Dashniani, Gela Beselia, Tbilisi Medical Academy &amp; I. Beritashvili Center of Experimental Biomedicine</i>
	Antibiofilm activity of Georgian chestnut honey against <i>Streptococcus</i> mutans isolated from the oral cavity <i>Levan Bakhtadze*, Nino Chkhutishvili, Mariam Berdzenishvili, Tamar Kobulashvili, Tbilisi Medical Academy</i>
<b>TBILISI: 13:00 – 13:20</b>	Coffee break and Networking
<b>TBILISI: 13:20 – 14:20</b> <b>BRUSSELS: 10:20 – 11:20</b> <b>NEW YORK: 4:20 – 5:20</b>  <b>2<sup>nd</sup> floor conference room</b>	Management of laboratory data for artificial intelligence <i>Mazankeu D*, Ruhland G., Kldiashvili E., Schrader T, Brandenburg University of Applied Sciences and Tbilisi Medical Academy</i>
	Exploring the integration of One Health and Planetary Health approaches to strengthen pandemic preparedness: a systematic review protocol <i>Dali Kekelidze, Ilia State University</i>
	How do patients in Georgia experience mental health care pathways, and what barriers and facilitators shape their journey through the system? <i>Nino Kotrikadze, Curatio International Foundation</i>
	How do structural, organizational and contextual conditions influence the performance, motivation and sustainability of mental health workforce in Georgia? <i>Ekaterine Kalandadze, Ilia State University &amp; Curatio International Foundation</i>
<b>TBILISI: 10:00 – 14:00</b>	<b>Workshop - Explainable AI for medical imaging</b> <i>Liron Pantanowitz, Hooman H Rashidi, Ahmad P Tafti*, University of Pittsburgh</i> <i>TMA - at place, 3<sup>rd</sup> floor conference room</i>
<b>TBILISI: 14:20 – 15:00</b>	Lunch
<b>TBILISI: 15:00 – 16:30</b>	<b>Workshop - What is innovative supervision and how it should be done? (closed meeting – by invitation only)</b> <i>Melita Kovacevic, University of Zagreb and Tbilisi Medical Academy</i> <i>TMA – at place, 2nd floor conference room</i>
	<b>Workshop – Basics of research proposal (day 2, closed meeting – by invitation only)</b> <i>Saba Iordanishvili; Tbilisi Medical Academy</i> <i>TMA – at place, Exhibition hall</i>
	<b>Medical Data Analysis (part two): Data Quality - Clean Data, Clear Insights</b> <i>Thomas Schrader, Brandenburg University of Applied Sciences and Tbilisi Medical Academy &amp; Jessica Hochwald, Brandenburg University of Applied Sciences</i> <i>TMA – at place, 4th floor, Library hall</i>
<b>November 27</b>	
<b>To attend the conference online please follow the link - <a href="https://meet.google.com/hcn-pous-viv">meet.google.com/hcn-pous-viv</a></b>	
<b>TBILISI: 9:30 – 10:00</b>	Registration and morning coffee, Networking
<b>TBILISI: 10:00 – 11:00</b> <b>BRUSSELS: 7:00 – 8:00</b>	High rates of advanced-stage prostate cancers in Georgia: A cohort analysis from a tertiary oncology center

<b>NEW YORK: 1:00 – 2:00</b>   <b>2<sup>nd</sup> floor conference room</b>	<i>Mariam Abuladze; Todua Clinic and Tbilisi Medical Academy</i>
	Prostate cancer treatment in Georgia: challenging clinical cases <i>Elene Kekelia; Todua Clinic and Tbilisi Medical Academy</i>
	AI-assisted assessment in medical education programmes <i>Giorgi Gabisonia, Alte University</i>
	AI-driven immune biomarker classifier predicts clinical benefit from neoadjuvant immunotherapy in triple-negative breast cancer <i>Davit Kvaratskhelia, Nana Otkhoshoria, Elene Makharashvili, Tamar Melkadze; Todua Clinic</i>
	Artificial intelligence and digital technologies in medicine <i>Alexander Nikolov*, Romana Hessler, Bernhard Jager, Synyo (online)</i>
	Artificial Intelligence in healthcare and science <i>Mariam Inashvili, Tbilisi State University</i>
<b>TBILISI: 11:00 – 11:20</b>	Coffee break and Networking
<b>TBILISI: 11:20 – 13:00</b> <b>BRUSSELS: 8:20 – 10:00</b> <b>NEW YORK: 2:20 – 4:00</b>   <b>2<sup>nd</sup> floor conference room</b>	AI-assisted extraction and analysis of prostate cancer data in a low-resource European setting: a single-center experience from Georgia <i>Giorgi Vepkhishvili, Elene Kekelia, Mariami Abuladze, Todua Clinic</i>
	Modern perspectives on menopausal hormone therapy-risk or benefit? <i>Ani Nikuradze; Ana Godoladze, Tbilisi Medical Academy</i>
	The future of pathology diagnostics: artificial intelligence for precision medicine <i>Ciampi Francesco; Radboud University (online)</i>
	<b>Science Club</b> – The role of AI in shaping the future of medicine
<b>TBILISI: 13:00 – 13:20</b>	Coffee break and Networking
<b>TBILISI: 13:00 – 14:30</b>	<b>Open discussion – AI for educators (closed meeting – by invitation only)</b> <i>Saba Iordanishvili; Tbilisi Medical Academy</i> <i>TMA - at place, 2<sup>nd</sup> floor conference room</i>
<b>TBILISI: 14:30 – 15:15</b>	Lunch
<b>TBILISI: 15:15 – 16:45</b>	<b>Workshop – Basics of research proposal (day 3, closed meeting – by invitation only)</b> <i>Saba Iordanishvili; Tbilisi Medical Academy</i> <i>TMA – at place, Exhibition hall</i>
	<b>Medical Data Analysis (part three): From Data to Knowledge</b> <i>Thomas Schrader, Brandenburg University of Applied Sciences and Tbilisi Medical Academy &amp; Jessica Hochwald, Brandenburg University of Applied Sciences</i> <i>TMA – at place, 3<sup>rd</sup> floor conference room</i>
	<b>“Escape room” – Elsevier at TMA (closed meeting – by invitation only)</b> <i>TMA, 4<sup>th</sup> floor, Library hall</i>
	<b>Student Research Journeys: A Panel Discussion</b> <i>TMA - at place, 2<sup>nd</sup> floor, 205</i>
<b>TBILISI: 16:45 – 17:00</b>	Closure of the event

