MEDIC 2024
Medicine: Innovations and Challenges 2024
26-28 November, 2024
Tbilisi, Georgia
www.tma.edu.ge/medic2024

The conference has been accredited by EACCME® with 15 European CME credits

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

Program

The "Medicine: Innovations and Challenges 2024" conference will be held in a hybrid form, during three days from November 26 to November 28, 2024. The program includes the following activities:

November 26	
To attend the conference online please follow the link - meet.google.com/tgg-fabs-wry	
TBILISI: 10:30 – 10:50	Registration and ice breaking, morning coffee
TBILISI: 10:50 – 11:00	Opening ceremony
TBILISI: 11:00 – 11:30 **BRUSSELS: 8:00 – 8:30** **NEW YORK: 2:00 – 2:30**	Advancing Open Infrastructures: Redefining research assessment for a more responsible research ecosystem *Angeliki Tzouganatou, OpenAIRE* *Online presentation*
TBILISI: 11:30 – 13:00 **BRUSSELS: 8:30 – 10:00** **NEW YORK: 2:30 – 4:00**	Early cancer detection *Ian A. Cree, Tbilisi Medical Academy* *TMA - at place, 2nd floor conference room*
TBILISI: 13:00 – 13:15	Coffee break and Networking
TBILISI: 13:15 – 13:45 **BRUSSELS: 10:15 – 10:45** **NEW YORK: 4:15 – 4:45**	Understanding AI bias – the implications for patient safety *Thomas Schrader, Brandenburg University of Applied Sciences and Tbilisi Medical Academy* *TMA - at place, 2nd floor conference room*
TBILISI: 13:45 – 14:15 **BRUSSELS: 10:45 – 11:15** **NEW YORK: 4:45 – 5:15**	Academic integrity in the age of AI *Jason Gibson, Turnitin* *Online presentation*
TBILISI: 14:15 – 14:35 **BRUSSELS: 11:15 – 11:35** **NEW YORK: 5:15 – 5:35**	Quality control options in doctoral studies *Nadira Durakovic, Zagreb University* *Online presentation*
TBILISI: 14:35 – 15:10	Lunch
TBILISI: 15:10 – 15:40 **BRUSSELS: 12:10 – 12:40** **NEW YORK: 6:10 – 6:40**	CyberPatient – the approach of innovations and challenges *Karim Qayumi, CyberPatient* *Online presentation*
TBILISI: 15:40 – 16:30 **BRUSSELS: 12:40 – 13:30** **NEW YORK: 6:40 – 7:30**	Feasibility of AI for pathology clinical practice *Liron Pantanowitz, UPMC* *Online presentation*
TBILISI: 16:30 – 16:45 **BRUSSELS: 13:30 – 13:45** **NEW YORK: 7:30 – 7:45**	Serious games for seniors: KokoFit *Merle Boenke*, Katja Orlowski; Brandenburg University of Applied Sciences* *TMA - at place, 2nd floor conference room*
TBILISI: 16:45 – 17:00 **BRUSSELS: 13:45 – 14:00**	Electronic health record in Germany *Gregor Ruhland; Brandenburg University of Applied Sciences*

NEW YORK: 7:45 – 8:00	*TMA - at place, 2nd floor conference room*
TBILISI: 17:00 – 17:15 **BRUSSELS: 14:00 – 14:15** **NEW YORK: 8:00 – 8:15**	Leadership aspects of doctoral education *Joke Martens; KU Lueven* *Online presentation*
TBILISI: 17:15 – 17:30 **BRUSSELS: 14:15 – 14:30** **NEW YORK: 8:15 – 8:30**	Identifying therapeutic targets for epileptogenesis *Alberto Musto; Eastern Virginia Medical School* *Online presentation*
TBILISI: 15:00 – 18:00	**Climate Fresk Workshop** *TMA – at place, 4th floor, Library hall*
TBILISI: 17:30 – 18:00	Coffee and Networking
TBILISI: 17:30 – 18:30 **BRUSSELS: 14:30 – 15:30** **NEW YORK: 8:30 – 9:30**	**Workshop "Teachers self-reflection as a tool for faculty development"** *TMA - at place, 2nd floor conference room* **Workshop "Analysis of hot topics in medicine using traditional methods and AI"** *Iryna Tykhonkova, Clarivate (online)* *TMA – hybrid, 2nd floor, room 205* **Workshop "Public health laboratory interventions – Georgian experience"** *TMA – at place, 4th floor, room 408*

November 27

To attend the conference online please follow the link – meet.google.com/bgc-osxy-bfc

TBILISI: 10:00 – 10:30	Registration and morning coffee, Networking

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TMA - at place, 2nd floor conference room

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TBILISI: 10:30 – 11:10 **BRUSSELS: 7:30 – 8:10** **NEW YORK: 1:30 – 2:10**	Non-coding RNAs *Mladen Krajacic, Tbilisi Medical Academy* *TMA - at place, 2nd floor conference room*
TBILISI: 11:10 – 11:40 **BRUSSELS: 8:10 – 8:40** **NEW YORK: 2:10 – 2:40**	Transforming medicine with large language models – opportunities, challenges and limits *Thomas Schrader, Brandenburg University of Applied Sciences and Tbilisi Medical Academy* *TMA - at place, 2nd floor conference room*
TBILISI: 11:40 – 12:00 **BRUSSELS: 8:40 – 9:00** **NEW YORK: 2:40 – 3:00**	Quality assurance in doctoral education *Belgin ATAC, Baskent University* *Online presentation*
TBILISI: 12:00 – 12:30 **BRUSSELS: 9:00 – 9:30** **NEW YORK: 3:00 – 3:30**	The use of artificial intelligence (AI) in healthcare with a focus on brain tumor diagnosis and treatment *Martha Enger, University of Bergen* *Online presentation*

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TMA - at place, 2nd floor, room 205

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TBILISI: 10:30 – 10:45 **BRUSSELS: 7:30 – 7:45** **NEW YORK: 1:30 – 1:45**	Deep brain stimulation of the medial septum improves memory and promotes hippocampal neurogenesis in a D-galactose-induced rat model of aging *Gela Beselia*, Maia Burjanadze, Manana Dashniani, Nino Chkhikvishvili, Temur Naneishvili, Mariam Chighladze, Barbare Nozadze; I. Beritashvili Center of Experimental Biomedicine and Tbilisi Medical Academy* *TMA - at place, 2nd floor, room 205*

TBILISI: 10:45 – 11:00 **BRUSSELS: 7:45 – 8:00** **NEW YORK: 1:45 – 2:00**	Neurodevelopmental effects of Di(2-ethylhexyl) phthalate: A study on prenatal exposure of the male offspring *Natalia Kiknadze, Elene Zhuravliova, David Mikeladze, Ilia State University and I. Beritashvili Center of Experimental Biomedicine* *TMA - at place, 2nd floor, room 205*
TBILISI: 11:00 – 11:15 **BRUSSELS: 8:00 – 8:15** **NEW YORK: 2:00 – 2:15**	Nongenomic action of thyroid hormones on the phosphorylation of Jak/Stat signaling pathway proteins in differentiated PC12 cells during hypoxia *Lamia Khalid, Elisabed Kvergelidze, Tamar Barbakadze, David Mikeladze, Ilia State University and I. Beritashvili Center of Experimental Biomedicine* *TMA - at place, 2nd floor, room 205*
TBILISI: 11:15 – 11:30 **BRUSSELS: 8:15 – 8:30** **NEW YORK: 2:15 – 2:30**	MBP charge isomers influence the inflammation rate in astrocytes *Marika Chikviladze, Nino Mamulashvili, Maia Sepashvili, Nana Narmania, Jeremy Ramsden, Lali Shanshiashvili, David Mikeladze, Ilia State University, I. Beritashvili Center of Experimental Biomedicine, The University of Buckingham* *TMA - at place, 2nd floor, room 205*
TBILISI: 11:30 – 11:45 **BRUSSELS: 8:30 – 8:45** **NEW YORK: 2:30 – 2:45**	Potential applications of *Salmonella* bacteriophages in medicine and food industry *Manana Loladze, Tarasi Gabisonia, Tbilisi Medical Academy* *TMA - at place, 2nd floor, room 205*
TBILISI: 11:45 – 11:55 **BRUSSELS: 8:45 – 8:55** **NEW YORK: 2:45 – 2:55**	Antibacterial properties of Georgian honey and its inhibitory effects on biofilm formation *Nini Chkhutishvili, Levan Bakhtadze, Mariam Berdzenishvili, Tamar, Kobulashvili Manana Loladze, Tbilisi Medical Academy* *TMA - at place, 2nd floor, room 205*
TBILISI: 11:55 – 12:05 **BRUSSELS: 8:55 – 9:05** **NEW YORK: 2:55 – 3:05**	Evaluation of *Streptococcus* mutants colonization in patients with type 1 and type 2 diabetes mellitus *Lela Koriauli, Ana Gogoladze, Manana Loladze, Maia Zarnadze, Tbilisi Medical Academy* *TMA - at place, 2nd floor, room 205*
TBILISI: 12:05 – 12:15 **BRUSSELS: 9:05 – 9:15** **NEW YORK: 3:05 – 3:15**	Ceftriaxone resistance of Staphylococcus aureus, example of Kakheti region *Tamaz Revazishvili, Elene Kapanadze; Tbilisi Medical Academy* *TMA - at place, 2nd floor, room 205*
TBILISI: 12:15 – 12:30 **BRUSSELS: 9:15 – 9:30** **NEW YORK: 3:15 – 3:30**	Myelin basic protein charge isomers interact differently with the peptidyl arginine deiminase-2 *Nino Mamulashvili, Mariam Chikviladze, Lali Shanshiashvili, David Mikeladze, Ilia State University and I. Beritashvili Center of Experimental Biomedicine* *TMA - at place, 2nd floor, room 205*
TBILISI: 12:30 – 12:45	Coffee break and Networking
TBILISI: 12:45 – 13:00 **BRUSSELS: 9:45 – 10:00** **NEW YORK: 3:45 – 4:00**	Integrating digital pathology for comprehensive multidisciplinary use *Lika Svanadze*, Keti Tsomaia, Irma Jikia, Mikheil Jangavadze, Tbilisi State University* *TMA - at place, 2nd floor conference room*
TBILISI: 13:00 – 13:15 **BRUSSELS: 10:00 – 10:15** **NEW YORK: 4:00 – 4:15**	Evaluation of local large language models for the development of Patient Safety Ontology *Jessica Hochwald*, Thomas Schrader; Brandenburg University of Applied Sciences* *TMA - at place, 2nd floor conference room*
TBILISI: 13:15 – 13:30 **BRUSSELS: 10:15 – 10:30** **NEW YORK: 4:15 – 4:30**	The application of gold nanoparticles for bacteria diagnostics *Ana Shekiladze, Saba Zakradze, Giorgi Bugadze* *TMA - at place, 2nd floor conference room*
TBILISI: 13:30 – 13:45 **BRUSSELS: 10:30 – 10:45** **NEW YORK: 4:30 – 4:45**	Diagnostical value of the vitamin D and CC-16 biomarker correlation *Ketevan Vepkhvadze, Ana Kobalia, Nino Partsvania, Anastasia Gogilashvili, Sopio Loria*

	TMA - at place, 2nd floor conference room
TBILISI: 13:45 – 14:30	Lunch
TBILISI: 14:30 – 15:30 **BRUSSELS: 11:30 – 12:30** **NEW YORK: 5:30 – 6:30**	Trends in doctoral education from the perspective of the EUA Council for doctoral education *Simon Marti, Head of the EUA Council for Doctoral Education* *TMA - online, 2nd floor conference room*
	Workshop "Dilemma games" *TMA - at place, 2nd floor, room 205*
	Workshop "Mindfulness techniques for mental health" *TMA - at place, 4th floor, room 408*
TBILISI: 15:30 – 15:45	Coffee break and Networking
TBILISI: 15:45 – 17:15	**Workshop "Holistic approach to doctoral supervision: expectations, roles and responsibilities",** *moderator Professor Melita Kovacevic, Former EUA CDE SC Chair, PRIDE Association, Board Vice Chair* *TMA - at place, 2nd floor, room 205*
	Workshop "From advocacy to action: Georgia's journey in tobacco control" *TMA - at place, 2nd floor conference room*

November 28
To attend the conference online please follow the link - meet.google.com/mks-xpov-twi

TBILISI: 9:30 – 10:00	Registration and morning coffee, Networking
TBILISI: 10:00 – 10:15 **BRUSSELS: 7:00 – 7:15** **NEW YORK: 1:00 – 1:15**	Latest updates in medical oncology *Mariam Abuladze; Todua Clinic and Tbilisi Medical Academy* *TMA - at place, 2nd floor conference room*
TBILISI: 10:15 – 10:30 **BRUSSELS: 7:15 – 7:30** **NEW YORK: 1:15 – 1:30**	Cancer in young female patients: Unique challenges - 3 clinical cases *Elene Kekelia; Todua Clinic and Tbilisi Medical Academy* *TMA - at place, 2nd floor conference room*
TBILISI: 10:30 – 11:00 **BRUSSELS: 7:30 – 8:00** **NEW YORK: 1:30 – 2:00**	Cervical cancer screening transformation in Georgia: From cytology to HPV testing *Tamar Alibegashvili, Georgian National Screening Center* *TMA - at place, 2nd floor conference room*
TBILISI: 11:00 – 11:30 **BRUSSELS: 8:00 – 8:30** **NEW YORK: 2:00 – 2:30**	Fostering public-private collaboration to accelerate preclinical research in oncology *Agne Vaitkeviciene, Cureline* *Online presentation*
TBILISI: 11:30 – 11:45 **BRUSSELS: 8:30 – 8:45** **NEW YORK: 2:30 – 2:45**	Personalized medicine in HCC management: Crafting individual treatment strategies for optimal outcomes *Levan Gogichashvili, Tbilisi State University* *TMA - at place, 2nd floor conference room*
TBILISI: 11:45 – 12:00 **BRUSSELS: 8:45 – 9:00** **NEW YORK: 2:45 – 3:00**	Molecular pathology course in medical education *Mikheil Jangavadze*, Keti Tsomaia, Lika Svanadze, Maia Bitskinashvili, Ia Khakhutaishvili, Salome Khubulava, Tbilisi State University and Tbilisi Medical Academy* *TMA - at place, 2nd floor conference room*
TBILISI: 12:00 – 12:15 **BRUSSELS: 9:00 – 9:15** **NEW YORK: 3:00 – 3:15**	Measuring what matters for cancer patients and survivors: the EUonQoL project *Cinzia Brunelli, Fondazione IRCCS Instituto Nazionale Tumori* *Online presentation*
TBILISI: 12:15 – 12:30 **BRUSSELS: 9:15 – 9:30** **NEW YORK: 3:15 – 3:30**	AI in healthcare and novel aspects of scientific database usage *Alexander Nikolov, Romana Hessler, Synyo* *Online presentation*
TBILISI: 12:30 – 12:45	Thyroid and parathyroid ECM derived hydrogels

BRUSSELS: 9:30 – 9:45 **NEW YORK: 3:30 – 3:45**	*Kostantine Gogichaishvili, Ekaterine Berishvili-Berney, Ilia State University and University of Geneva* *TMA - at place, 2nd floor conference room*
TBILISI: 12:45 – 13:00 **BRUSSELS: 9:45 – 10:00** **NEW YORK: 3:45 – 4:00**	Qualitative indicators for pandemic preparedness: Lessons learned from COVID-19 *Dea Goderdzishvili, University of Georgia* *TMA - at place, 2nd floor conference room*
TBILISI: 13:00 – 13:15 **BRUSSELS: 10:00 – 10:15** **NEW YORK: 4:00 – 4:15**	Evaluating the informal use of artificial intelligence among undergraduate medical students and faculty *Iuri Migriauli*, Ketevan Chakhnashvili, Alte University* *TMA - at place, 2nd floor conference room*
TBILISI: 13:15 – 14:00	Lunch
TBILISI: 14:00 – 15:15 **BRUSSELS: 11:00 – 12:15** **NEW YORK: 5:00 – 6:15**	**Science Club** *TMA - at place, 2nd floor conference room*
TBILISI: 15:15 – 15:30	Coffee break and Networking
TBILISI: 15:30 – 16:30	**Workshop "AI in your hands: Run and use large language models locally",** moderator Professor Thomas Schrader *TMA - at place, 4th floor, Exam center*
	Workshop "Liposomes – drug delivery approach", moderator Professor Mladen Krajacic *TMA - at place, 2nd floor, room 205*
	Workshop „How to convert abstract to research paper" *TMA - at place, 2nd floor conference room*
	Workshop "Through the Lens: exploring medical professionalism and health determinants in rural settings among medical students" *TMA - at place, 4th floor, Library hall*
TBILISI: 16:30 – 17:45	Snacks and Networking
TBILISI: 17:45 – 18:00	Closure of the event