



21st

International
Symposium
and Summer School
on Bioanalysis



Booklet

July 10th-15th, 2023
Târgu Mureș

Sponsors:



Introduction and Welcome

It is our great honour to invite you to the 21st International Symposium and Summer School on Bioanalysis (21stISSSB) that will be held between July 10–15, 2023 at George Emil Palade University of Medicine, Pharmacy, Science and Technology of Târgu Mureş.

The event is organized in the frame of CEEPUS CIII-RO-0010-18-22-23 network entitled „Teaching and Learning Bioanalysis”, founded in 1998, and having a 25 years old activity. The 21st ISSSB provides an overview of a broad range of interdisciplinary subjects in bioanalysis. Its main purpose is to offer an opportunity for young researchers to learn more about the current progress in analytical techniques.

The symposium will focus on the application of bioanalytical methods in chemical and pharmaceutical research, and related topics. The scientific program will include oral lectures and poster presentations as well as practical courses on bioanalysis.

Assoc. prof. dr. Gabriella Donáth-Nagy,
Symposium chair



Program

MONDAY, 10. 07. 2023

14:00	18:00	REG	Registration of participants	Campus of George Emil Palade UMPHST of Târgu Mureș, Faculty of Pharmacy Hall
18:00	22:00	WP	Welcome party, offered by MUSO	UMPhST of Târgu Mureș, Faculty of Pharmacy

TUESDAY, 11. 07. 2023

8:00	9:00	BF-01	Breakfast	UMPhST of Târgu Mureș
Session 1				
<i>Chairwoman: Ewa POBOŹY (University of Warsaw)</i>				
9:00	10:00	WLC	Opening ceremony	25 Years of CEEPUS
10:00	10:15	L-01	Intact protein analysis by CZE-MS	Attila GÁSPÁR
10:15	10:30	L-02	Nabumetone/ β -cyclodextrin inclusion complexes in solution	Nives GALIĆ
10:30	10:45	L-03	Exploring coating agents for CE with LIF detection for liposome analysis	Alice ŠIMONOVÁ
10:45	11:00	CB-01	Coffee Break	

Session 2

Chairman: Ferenc KILÁR (University of Pécs)

11:00	11:15	L-04	Photocatalytic degradation of drug in environmental samples	Ewa POBOŹY
11:15	11:30	L-05	Post-column derivatization approach in fluorescence detection of OATD-02 -boronic acid active pharmaceutical ingredients	Elżbieta SOBOLEWSKA
11:30	11:45	L-06	Analytical methods in sport science	Tatyana Dzimbova
11:45	12:00	L-07	Impact of unnatural amino acids in the discovery and development of biologically active peptides	Tamara PAJPAANOVA

12:00	12:15	L-08	UHPLC-LC-MS/MS method for polyphenols determination	Mircea-Dumitru CROITORU
12:15	12:30	L-09	Electrospinning nanofibrous matrices for potential wound healing application: the effect of salts and humidity	Mónika NANYS
12:30	14:00	LCH-01	Lunch	UMPhST of Târgu Mureş

Session 3

Chairman: Attila GÁSPÁR (University of Debrecen)

14:00	14:15	L-10	Customized platform for electrochemical detection of inflammatory biomarkers for wearable application	Maria-Bianca IRIMES
14:15	14:30	L-11	Biomimetic electrochemical sensors for antibiotic detection	Bogdan FEIER
14:30	14:45	L-12	Electrochemical aptasensor for the detection of HepG2 cells	Alexandra PUSTA
14:45	15:00	L-13	Selection of aptamers for cancer theragnostics	Titus OBASI
15:00	15:15	L-14	Wearable Electrochemical Microneedle Sensor for MDMA Screening in Interstitial Fluid	Ana-Maria DRĂGAN
15:15	15:30	L-15	Fast and cost-effective electrochemical fabrication of SERS substrates using screen-printed electrodes	Ionuț LEVA
15:30	15:45	L-16	Electrochemical sensors for the analysis of pathogens in environmental and biological samples	Alexandra CANCIU
15:45	16:15	CB-02	Coffee Break	

Session 4

Chairwoman: Violeta IVANOVA-PETROPULOS (Goce-Delcev University of Stip)

16:15	16:30	L-17	Bacterial secondary metabolite quantification using bioanalytical methods	Gyöngyvér MARA
16:30	16:45	L-18	Study of the glycosylation profile of a nivolumab biosimilar with CE-LIF	Csilla ALBERT
16:45	17:00	L-19	The effect of SARS-CoV-2 virus on the activity of the PANoptosis pathway in upper respiratory epithelial cells: Correlations between expression patterns, age, gender and comorbidities	Pál SALAMON

17:00	17:15	L-20	Electrochemical sensors for the detection of bacteria in fish and seafood	Denisa-Elena CĂPĂȚÎNĂ
17:15	17:30	L-21	Proof-of-concept solid-state mechanochemical synthesis of molecularly imprinted polymers	Bogdan-Cezar IACOB
17:30	17:45	L-22	Engineered PALs for phenylalanine analogues	Souad-Diana TORK
17:45	18:00	L-23	Using hydroxy benzaldehydes as amino acceptors for kinetic resolution of substituted 1-Phenylethylamines	Róbert TÓTÓS

WEDNESDAY, 12. 07. 2023

8:00	9:00	BF-02	Breakfast	UMPhST of Târgu Mureș, Hotel Grand
Session 5				
<i>Chairwoman: Livia UNCU („Nicolae Testemițanu” State University of Medicine and Pharmacy, Chișinău)</i>				
9:00	9:15	L-24	Food authentication by high resolution melting of DNA barcode regions	Margit CICHNA-MARKL
9:15	9:30	L-25	Development of a DNA metabarcoding method for the identification of seafood in processed foods	Julia ANDRONACHE
9:30	9:45	L-26	DNA methylation analysis of MGMT enhancers in glioblastoma	Katharina PÜHRINGER
9:45	10:00	L-27	Quantification of Phosphate in Cola Beverages using Ion Chromatography	Francisc-Andrei BODA
10:00	10:15	L-28	Chemical characterization of wine	Violeta IVANOVA-PETROPULOS
10:15	10:30	L-29	Determination of total phenols, anthocyanins and color parameters of Vranec wines	Aleksandar PIPEREVSKI
10:30	11:00	CB-03	Coffee Break	

Session 6

Chairman: Tomáš KRÍŽEK (Charles University of Prague)

11:00	11:15	L-30	Different approaches for achiral and chiral analysis of illicit drugs	Martin SCHMID
11:15	11:30	L-31	Using sulfated β -cyclodextrin as mobile phase additive in HPLC for chiral separation of New Psychoactive Substances	Elisabeth SEIBERT
11:30	11:45	L-32	NextGenPS – EU Project on Analysis of New Psychoactive Substances	Eva-Maria HUBNER
11:45	12:00	L-33	Combined “-omical” analysis of biofluids in biomarker research	Anikó TAKÁTSY

12:15	12:30	L-34	Peculiarities and challenges in the development of analytical methods for combined drugs	Livia UNCU
12:30	12:45	L-35	Nitrite anion formation in pickled vegetables under bacterial reduction and the toxicological risk involved	Mircea-Dumitru CROITORU
12:45	14:00	LCH-02	Lunch	UMPhST of Târgu Mureș

Session 7

Chairman: Marian MASÁR (Comenius University in Bratislava)

14:00	14:30	L-36	International Rankings of Universities	Radu OPREAN
14:30	14:45	L-37	R or S: a story of chiral drugs	Gabriel HANCU
14:45	15:00	L-38	Enantiomer migration order as a function of experimental variables in capillary electrophoresis	Zoltán-István SZABÓ
15:00	15:15	L-39	Enantioselective potential of macrocyclic glycopeptide-based columns in sub/supercritical fluid chromatography	Denisa FOLPRECHTOVÁ
15:15	17:00	PS	Poster session	UMPhST of Târgu Mureș
18:00		CMD	Coordination Meeting	UMPhST of Târgu Mureș

THURSDAY, 13. 07. 2023

8:00	9:00	BF-03	Breakfast	UMPhST of Târgu Mureș Hotel Grand
------	------	-------	-----------	--------------------------------------

Session 8

Chairman: Gyöngyvér MARA (Sapientia University of Transylvania)

9:00	9:15	L-40	Innovations in microchip electrophoresis for bioanalytical applications	Marián MASÁR
9:15	9:30	L-41	Application of capillary electrophoresis in controlled drug release studies	Tomáš KŘÍŽEK
9:30	9:45	L-42	Fluorescent labeling of saccharides for capillary electrophoresis	Kateřina ČOKRTOVÁ
9:45	10:00	L-43	Glycopeptide enrichment using solid-phase extraction in HILIC mode	Katarína MOLNÁROVÁ
10:00	10:15	L-44	Separation and Prediction of Intact N-Glycopeptide Retention Time Windows in Hydrophilic Interaction Liquid Chromatography	Petr KOZLÍK

10:15	10:30	L-45	Coupling microchip electrophoresis with ion mobility spectrometry for the analysis of carboxylic acids in complex liquid samples	Jasna HRADSKI
10:30	10:45	L-46	CZE-MS for bottom-up proteomics: to desalt or not to desalt?	Cynthia NAGY
10:45	11:00	L-47	Mixed-mode chromatography for separation of protein digests	Květa KALIKOVÁ
11:00	11:30	CB-05	Coffee Break	

Session 9

Chairman: Jolán HÁRSFALVI (Semmelweis University of Medicine and Pharmacy - Budapest)

11:30	12:00	S-01	Employing multidimensional design space models as common platforms to characterize and compare HPLC Separation Systems – Use Cases	Arnold ZÖLDHEGYI
12:00	12:15	S-02	Lecture offered by sponsor	MERCK
12:15	12:45	S-02	Workshop offered by Molnar Institute	Room nr. 3.
12:45	14:00	LCH-03	Lunch	UMPhST of Târgu Mureș

FRIDAY, 14. 07. 2023

8:00	9:00	BF-04	Breakfast	UMPhST of Târgu Mureș, Hotel Grand
10:30		EXC	Excursion	To Sighișoara Tour
17:00	22:00	FP	Farewell Party, Evening of Nations	UMPhST of Târgu Mureș, Faculty of Pharmacy

SATURDAY, 15. 07. 2023

8:00	9:00	BF-05	Breakfast	UMPhST of Târgu Mureș, Hotel Grand
10:00		CS	Closing Ceremony	Award of the best student posters

Scientific Commettee

Margit CHICHNA-MARKL

A



Gabriella DONÁTH-NAGY

RO



Nives GALIĆ

HR



Attila GÁSPÁR

H



Gabriel HANCU

RO



Jolán HÁRSFALVI

H



Silvia IMRE

RO



Valentin ION

RO



Florin-Dan IRIMIE

RO



Violeta IVANOVA-PETROPULOS

NMK



Ferenc KILÁR

H



Tomáš KRÍŽEK

CZ



Marián MASÁR

SK



Gyöngyvér MARA

RO



Daniela-Lucia MUNTEAN

RO



Előd-Ernő NAGY

RO



Radu OPREAN

RO



Tamara PAJPAANOVA

BG



Ewa POBOŻY

PL



Martin SCHMID

A



Anikó TAKÁTSY

H



Livia UNCU

MD



Camil-Eugen VARI

RO



Poster Presentations

P-01	<i>Alcohol/aldehyde dehydrogenases in biosynthetic pathways</i>	Emőke Antal*, Ildikó Miklóssy	Sapientia Hungarian University of Transylvania, Miercurea-Ciuc
P-02	<i>Molecularly imprinted drug reservoir for targeted glioblastoma cell treatment: in vitro and in vivo characterization</i>	Alexandra-Iulia Bărăian*, Bogdan-Cezar Iacob, Olga Sorîţău, Cosmin Peştean, Alexandru Florian, Sergiu Şuşman, Ede Bodoki, Ştefan Florian	„Iuliu Haţieganu” University of Medicine and Pharmacy, Cluj-Napoca
P-03	<i>Biosimilar monoclonal antibodies detection with ELISA method</i>	Emilia Brumă*, Erika Csató-Kovács, Mónika Korodi, Csongor Orbán	Sapientia Hungarian University of Transylvania, Miercurea-Ciuc
P-04	<i>Simultaneous chiral separation of fixed dose drug combinations by high performance liquid chromatography</i>	Anca-Gabriela Cârje *, Silvia Imre, Alina Balint, Ion Valentin, Camelia Toma, Adina Bojor, Daniela-Lucia Muntean	George Emil Palade University of Medicine, Pharmacy, Science and Technology Târgu Mureş
P-05	<i>Study of dietary supplements containing Valerian root (Valerianae radix) by high-performance liquid chromatography</i>	Csongor Csató*, Elek Ferencz, Melinda Urkon, Zoltán-István Szabó, Eszter Laczkó-Zöld	George Emil Palade University of Medicine, Pharmacy, Science and Technology of Targu Mures
P-07	<i>Determination of erbumine in pharmaceuticals by microchip isotachopheresis</i>	Marta Āuniš*, Jasna Hradski, Roman Szucs, Marián Masár	Comenius University Bratislava
P-08	<i>Bioavailability and bioequivalence study of two formulations containing Fluconazole on healthy Romanian subjects</i>	Lenard Farczadi*, Orsolya Fechete, Laurian Vlase	George Emil Palade University of Medicine, Pharmacy, Science and Technology of Targu Mures
P-09	<i>Small RNA and protein expression profiling in the detection of personalized performance and regenerative capacities</i>	Gabor Faskerti, Lilla A. Czuni, Peter Urban, Jozsef Kun, Szabolcs Maar, Ferenc Gallyas, Aniko Takatsy*, Ildiko Bock-Marquette	University of Pécs
P-10	<i>Opportunities provided by computer-assisted retention modelling in chiral chromatography – separation of ozanimod enantiomers on polysaccharide-based stationary phases</i>	Elek Ferencz*, Zoltán-István Szabó, Arnold Zöldhegyi, Máté Dobó, Gábor Németh, Imre Molnár, Gergő Tóth	George Emil Palade University of Medicine, Pharmacy, Science and Technology of Targu Mures
P-11	<i>Cosmetic formulations based on essential oils from aromatic plants, possible anti-acne treatment</i>	Alina Filip*, Paula-Alicia Călina, Florin-Dan Irimie, Paula-Veronica Podea	Babeş-Bolyai University, Cluj-Napoca
P-12	<i>Stability evaluation of combined ear drops with ciprofloxacin, econazole and basil volatile oil under different stress conditions</i>	Vladilena Gandacov*, Livia Uncu, Ecaterina Mazur, Vladimir Valica	„Nicolae Testemiţanu” State University of Medicine and Pharmacy

P-13	<i>Hybridization Thermodynamics of DNA Oligonucleotide Cognates</i>	Laura-Elena Gliga*, Bogdan-Cezar Iacob, David A. Spivak, Ede Bodoki, Radu Oprean	„Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca
P-14	<i>Development of Molecularly Imprinted Polymer-Based Platforms for Thiabendazole Detection</i>	Szabolcs Ianos Györfi*, Bogdan Cezar Iacob, Bodoki Ede	„Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca
P-15	<i>Antibacterial and cytotoxic effect of various nanoparticles, comparative literature study</i>	Sarolta Halmoczi*, Angela Jedlovszky-Hajdu	Semmelweis University, Budapest
P-16	<i>Biophysical Characterization of Clot Retraction in Platelet Rich Plasma of Patients with Primary Anti-phospholipid Syndrome</i>	Jolán Hársfalvi*, Tímea Feller, György Domjani, Klára Gadó, Katalin Várnai, Eszter Barabás, Miklós Keller Mayer	Semmelweis University, Budapest
P-17	<i>Spectroscopic and thermodynamic studies of nabumetone complexation by β-cyclodextrins</i>	David Klarić*, Ana Čikoš, Ana Budimir, Nives Galić	University of Zagreb
P-18	<i>Endorsing bioperformance through dissolution prediction using multivariate data analysis (MVDA)</i>	Béla Kovács*, Erzsébet Orsolya-Tökés, Brigitta Nagy, Zsombor Kristóf Nagy, Éva Katalin Kelemen, Katalin Zöldi, Francisc Boda, Tibor Casian	George Emil Palade University of Medicine, Pharmacy, Science and Technology of Târgu Mureș
P-19	<i>Identification of potential stress initiated peptides in support of tissue regeneration and repair in humans</i>	Szabolcs Maar, Lilla A. Czuni, Szilard Rendeki, Dominik Cysewski, Istvan Farkas, Aniko Takatsy*, Tomasz Kowalczyk, Michał Ciborowski, Adam Kretowski, Ferenc Gallyas, Ildiko Bock-Marquette	University of Pécs
P-20	<i>Preformulation researches of a combined powder in the treatment of hypokalemia</i>	Ecaterina Mazur*, Vladimir Valica, Vladilena Gandacov, Livia Uncu	„Nicolae Testemițanu” State University of Medicine and Pharmacy
P-21	<i>Development of a Capillary Electrophoresis Method for the Impurity Profiling of Omeprazole using Quality by Design Methodology</i>	Adriana Modroiu*, Gabriel Hancu, Luca Marzullo, Serena Orlandini, Roberto Gotti, Sandra Furlanetto	George Emil Palade University of Medicine, Pharmacy, Science and Technology of Târgu Mureș
P-22	<i>Chiral separation of mirabegron by capillary electrophoresis</i>	Tas-Szilveszter Molnár*, Szilárd Nagy, Zoltán-István Szabó	George Emil Palade University of Medicine, Pharmacy, Science and Technology Târgu Mureș
P-23	<i>Insights into the regulation of lipopolysaccharide biosynthesis by two-component systems in <i>Shigella sonnei</i></i>	Laura Nagy*, Ferenc Kilár	University of Pécs
P-24	<i>Fatty acid profiles of omega 3, 6, 9 enriched vegetable oils</i>	Katalin Nagy*, Bogdan-Cezar Iacob, Ede Bodoki, Radu Oprean	Iuliu Hațieganu University of Medicine and Pharmacy

P-25	<i>Chiral separation of Ozanimod by capillary electrophoresis</i>	Szilárd Nagy*, Tas-Szilveszter Molnár, Zoltán-István Szabó	George Emil Palade University of Medicine, Pharmacy, Science and Technology Târgu Mureș
P-26	<i>Determination of enantiomeric purity of vildagliptin by capillary electrophoresis</i>	Lajos-Attila Papp*, Blanka Székely-Szentmiklósi, Zoltán-István Szabó, Gergő Tóth, Márta Krasznai, Gabriel Hancu	George Emil Palade University of Medicine, Pharmacy, Science and Technology of Târgu Mureș
P-27	<i>"Influence of cyclodextrins on loratadine solubility in water and in biorelevant media"</i>	Marijana Pocrnić*, Nives Galić	University of Zagreb
P-28	<i>Separation of lipooligosaccharides by non-aqueous CE-MS</i>	Viktor Sándor*, Dóra Hidegkúti-Németh, Anikó Kilár, Agnes Dörnyei, Ferenc Kilár	University of Pécs
P-29	<i>The analysis of monoclonal antibodies with electrospray ionization mass spectrometry and subsequent spectral processing</i>	Ruben Szabo*, Attila Gáspár	University of Debrecen
P-30	<i>Development of an electrochemical biosensor for the detection of Staphylococcus aureus</i>	Ana-Maria Tătaru*, Andreea Cernat, Alexandra Canciu, Cecilia Cristea	„Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca
P-31	<i>Toxic alcohol and ethylene glycol intoxications in Harghita county</i>	Szende Vancea*, Blanka Török, Elek-Attila Ráduly, János Sinkó	Harghita County Service of Forensic Medicine SJML
P-32	<i>Analysis of Snake Venoms with CZE-MS</i>	Gayatri Vishwakarma*, Melinda Andrásí, Péter Hajdú, Attila Gáspár	University of Debrecen
P-33	<i>Optimization of an UHPLC Method for the Assay of Cannabidiol through Quality by Design (QbD)</i>	Vlad Robert-Alexandru*, Daniela-Lucia Muntean, Paula Antonoaea, Adriana Ciurba, Emöke-Margit Rédei, Lénárd Farczádi, Silvia Imre	George Emil Palade University of Medicine, Pharmacy, Science and Technology of Târgu Mureș

UNIVERSITATEA DE MEDICINA ȘI FARMACIE

Organizing Committee

Francisc Andrei BODA
Anca Gabriela CÂRJE
Mircea Dumitru CROITORU
Gabriella DONÁTH-NAGY
Elek FERENCZ
Ibolya FÜLÖP
Zsolt GÁLL
Șerban Andrei GÂZ-FLOREA
Gabriel HANCU
Silvia IMRE
Béla KOVÁCS
Erzsébet MÁJAI
Lajos Attila PAPP
Emőke Margit RÉDAI
Emese SIPOS
Zoltán István SZABÓ
Blanka SZÉKELY-SZENTMIKÓSI
Erzsébet VARGA

General Information

Locations



SYMPOSIUM LOCATION

George Emil Palade University of Medicine,
Pharmacy, Science and Technology
38 Gheorghe Marinescu str.
Târgu Mureş 540139



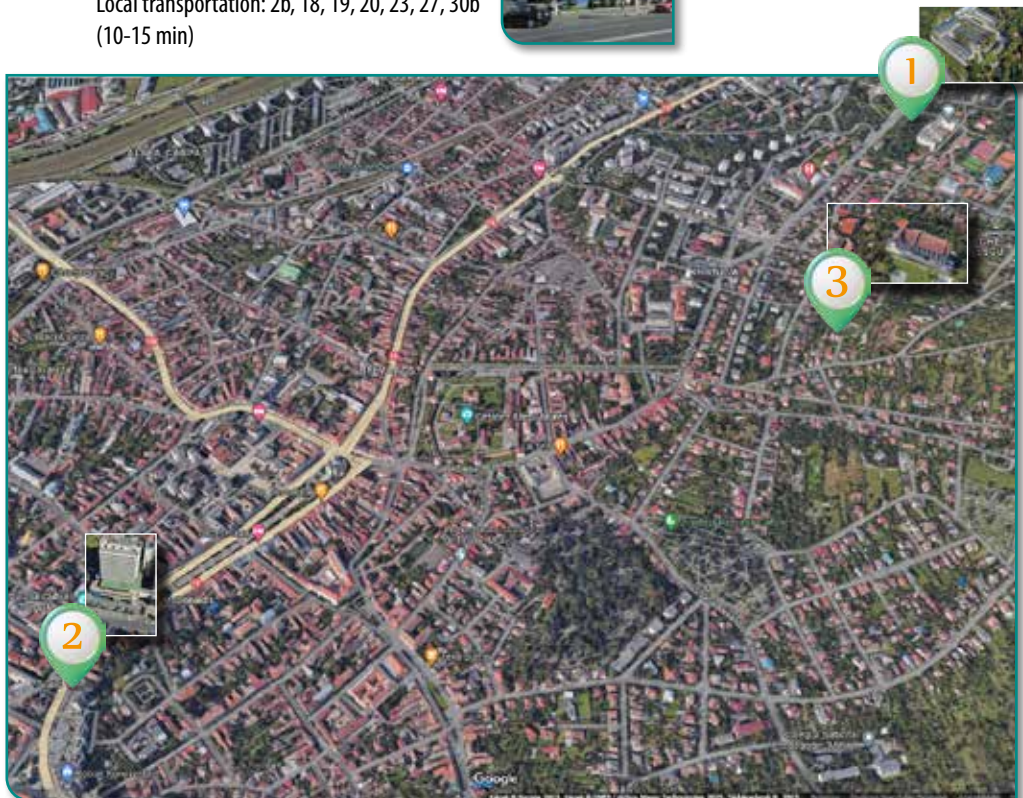
ACCOMMODATION NO. 2

Gece Dániel Hostel
Pădurii str. Târgu Mureş
Walking distance to the Symposium Location
900 m (10-12 min)

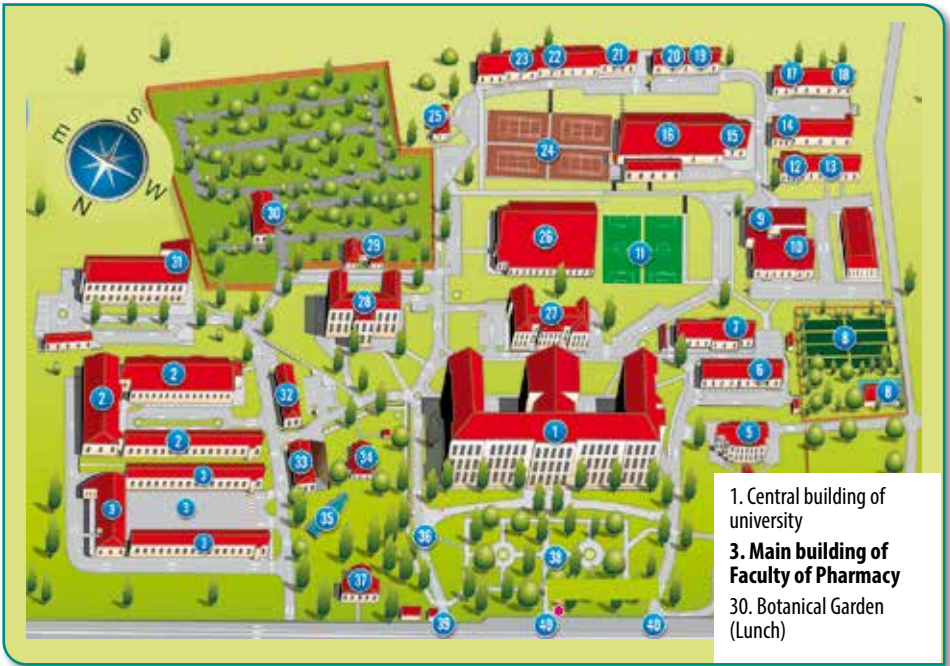


ACCOMMODATION NO. 1

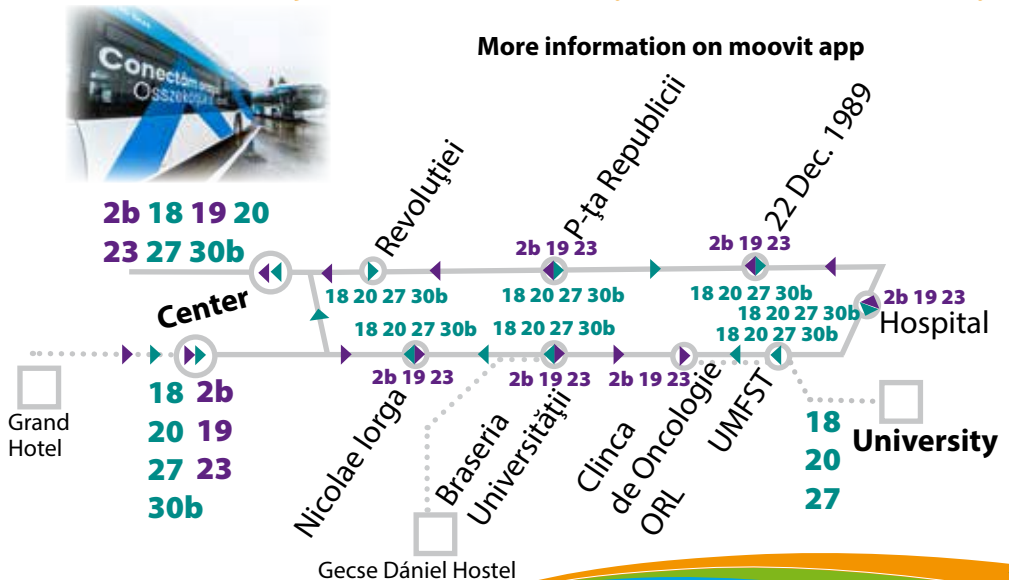
Grand Hotel
28-30 Victoriei sq. Târgu Mureş 540052
Walking distance to the Symposium Location
3 km (30-35 min)
Local transportation: 2b, 18, 19, 20, 23, 27, 30b
(10-15 min)



Campus of the University



Public transportation from City Center to University



Info Desk

On-site registration:

- 10. 07. 2023, Monday: 14:00 – 20:00
- 11. 07. 2023, Tuesday: 9:00 – 17:00
- 12. 07. 2023, Wednesday: 9:00 – 12:00



Information for oral presentation

There will be accepted only digital materials that have to be dropped at the Info Desk at least *30 minutes* before the time scheduled for the presentation. The length of presentations shouldn't exceed *15 minutes*.

Information for poster presentations

The posters will be installed on *Wednesday, 12th of July 2023*, starting with *8:00*. Details of the posters location will be given at Info Desk. The size of posters should not exceed *A0 format*.

Certificate of Attendance

Registered participants will receive a Certificate of Attendance.

Internet Access

Wireless internet will be available at the symposium location.

Badges

Participants are requested to wear their badge at all times while inside the symposium location.

Smoking

Smoking is allowed only in designated areas.



Currency

The Romanian official currency is the *Romanian New Lei (RON or simple lei)*, the small change is *bani*. Coins used are 5, 10 and 50 bani, notes used are 1, 5, 10, 20, 50, 100, 200, 500 lei. The exchange rates are about:

1 EUR = 4,95 RON,

1 PLN = 1,10 RON,

1 BGN = 2,50 RON,

1 MDL = 0,25 RON,

1 CZK = 0,20 RON,

100 HUF = 1,30 RON,



There are several exchange offices and banks in the city center.

Public transportation



Bus tickets can be bought directly in the bus from the ticket salesman, or in case of his absence, from the driver. Tickets are valid for one trip, and it costs 2 RON (40 eurocents).

Taxis

You can find taxis at the city center, in front of the *Grand Hotel* or you can call:

Taxi Cornisa: +40 265 211.111

Sissy Taxi: +40 770 918.918

Taxi Relaxa: +40 265 226.555

Taxi Mures: +40 265 313.131

Bolt App.



Meals

Breakfast is provided at *Hotel Grand* or at the *University* situated in the campus. Lunch is provided at the *University Canteen*. Please pass your meal ticket each time.



Coordination meeting

Coordination meeting will be held on *Wednesday, 12th of July 2023*, starting at 18:00 at the .

Farewell Party/Evening of Nations

The farewell party will be held at the Faculty of Pharmacy. (Contributions are needed from all participating groups).

Entertainment, sports, restaurants

There is a swimming pool in the University campus. Opening hours: daily between 7:00-22:00, excepting Tuesdays. Entrance fee for 2 hours is 50 RON (about 10 EUR).

There is a recreational and sports complex in the city with bathing possibility, information to getting there, opening hours, entrance fee, etc. can be given by the Info Desk.



Recommended restaurants/café:



Laci csárda: Morii str. 27 (City Center).

Piaf Cafe: Bolyai str. 10. (City Center)

Cezar: Trandafirilor sq. 52. (City Center)

Sólyom: in the area of the „Muresul” recreation and sport complex (photo), Plutelor str. 2.

Nivo Resto Lounge: Mihai Viteazul str. 60.

Petry Grill and Wine Bistro: Scăricica promenade 1.

Drugs and first aid

A wide range of non-prescription drugs are available at local pharmacies. In case of emergency please call the 112 emergency number.



Parking



There are possibilities of free parking at the University Campus.



Registered participants

Csilla ALBERT	Sapientia Hungarian University of Transylvania, Miercurea Ciuc	albertcsilla@uni.sapientia.ro
Julia ANDRONACHE	University of Vienna	julia.c.saeckler@gmail.com
Emóke ANTAL	Sapientia Hungarian University of Transylvania, Miercurea Ciuc	antalemoke@uni.sapientia.ro
Alexandra-Lulia BĂRĂIAN	„Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca	alexandra.iuli.baraian@elearn.umfcluj.ro
Francisc Andrei BODA	George Emil Palade UMPHST of Târgu Mureș	francisc.boda@umfst.ro
Emilia BRUMĂ	Sapientia Hungarian University of Transylvania, Miercurea Ciuc	bodor.emilia@yahoo.com
Alexandra CANCIU	„Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca	alexandra.canciu@elearn.umfcluj.ro
Denisa-Elena CĂPĂȚINĂ	„Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca	denisa.elena.capatina@elearn.umfcluj.ro
Anca-Gabriela CÂRJE	George Emil Palade UMPHST of Târgu Mureș	anca.carje@umfst.ro
Margit CICHNA-MARKL	University of Vienna	margit.cichna@univie.ac.at
Kateřina ČOKRTOVÁ	Charles University, Prague	katerina.cokrtova@seznam.cz
Mircea Dumitru CROITORU	George Emil Palade UMPHST of Târgu Mureș	mircea.croitoru@umfst.ro
Csongor CSATÓ	George Emil Palade UMPHST of Târgu Mureș	csatocsongor@gmail.com
Lilla CSEREPES	University of Debrecen	cserepes.lilla@science.unideb.hu
Marinela CVETANOSKA	Sts Cyrill and Methodius Univ. of Skopje	marinela.cvetanoska@pmf.ukim.mk
Gabriella DONÁTH-NAGY	George Emil Palade UMPHST of Târgu Mureș	gdonath2003@gmail.com
Ana-Maria DRAGAN	„Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca	ana.dragan@umfcluj.ro
Marta ĐURIŠ	Comenius University Bratislava	duris48@uniba.sk
Tatyana DZIMBOVA	Neofit Rilski South-West University, Blagoevgrad	tania_dzimbova@abv.bg
Nagy ELŐD	George Emil Palade UMPHST of Târgu Mureș	tania_dzimbova@abv.bg
Lénárd FARCZÁDI	George Emil Palade UMPHST of Târgu Mureș	lenard.farczadi@umfst.ro
Bogdan FEIER	„Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca	feier.george@umfcluj.ro
Elek FERENCZ	George Emil Palade UMPHST of Târgu Mureș	elek.ferencz@umfst.ro
Alina FILIP	Babeș-Bolyai University, Cluj-Napoca	alinafilip@ubbcluj.ro
Denisa FOLPRECHTOVÁ	Charles University, Prague	denisa.folprechtova@natur.cuni.cz
Ibolya FÜLÖP	George Emil Palade UMPHST of Târgu Mureș	ibolya.fulop@umfst.ro
Nives GALIĆ	University of Zagreb	ngalic@chem.pmf.hr
Zsolt GÁLL	George Emil Palade UMPHST of Târgu Mureș	zsoltgall87@gmail.com
Vladilena GANDACOV	„Nicolae Testemițanu” State University of Medicine and Pharmacy, Chișinău	vladilena.gandacov@usmf.md
Attila GÁSPÁR	University of Debrecen	gaspar@science.unideb.hu
Șerban Andrei GĂZ-FLOREA	George Emil Palade UMPHST of Târgu Mureș	andrei.gaz-florea@umfst.ro
Laura-Elena GLIGA	„Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca	gliga.laura@umfcluj.ro
Szabolcs János GYÓRFI	„Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca	szabolcsjanos.gyorfi@gmail.com
Sarolta HALMÓCZKI	Semmelweis University, Budapest	halmoczki.sarolta@phd.semmelweis.hu

Gabriel HANCU	George Emil Palade UMPHST of Târgu Mureș	gabriel.hancu@umfst.ro
Jolán HÁRSFALVI	Semmelweis University, Budapest	harsfalvi.jolan@med.semmelweis-univ.hu
Jasna HRADSKI	Comenius University Bratislava	hradski1@uniba.sk
Eva-Maria HUBNER	University of Graz	eva.hubner@edu.uni-graz.at
Bogdan-Cezar IACOB	„Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca	iacob.cezar@umfcluj.ro
Silvia IMRE	George Emil Palade UMPHST of Târgu Mureș	silvia.imre@umfst.ro
Maria-Bianca IRIMES	„Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca	maria.bi.irimes@elearn.umfcluj.ro
Florin Dan IRIMIE	Babeș Bolyai University, Cluj-Napoca	florin.irimie@ubbcluj.ro
Violeta IVANOVA-PETROPULOS	Goce Delčev University, Stip	violeta.ivanova@ugd.edu.mk
Zuzana KADLECOVÁ	Charles University, Prague	zuzkakadlecova@centrum.cz
Květa KALÍKOVÁ	Charles University, Prague	kalikova@natur.cuni.cz
Ferenc KILÁR	University of Pécs	ferenc.kilar@aok.pte.hu
David KLARIĆ	University of Zagreb	dklaric@chem.pmf.hr
Béla KOVÁCS	George Emil Palade UMPHST of Târgu Mureș	bela.kovacs@umfst.ro
Petr KOZLÍK	Charles University, Prague	kozlik@natur.cuni.cz
Tomáš KRÍŽEK	Charles University	tomas.krizek@natur.cuni.cz
Petrică-Ionuț LEVA	„Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca	petreleva@gmail.com
Erzsébet MÁJAI	George Emil Palade UMPHST of Târgu Mureș	erzsebet.fogarasi@umfst.ro
Gyöngyvér MARA	Sapientia Hungarian University of Transylvania, Miercurea Ciuc	maragyongyver@uni.sapientia.ro
Marián MASÁR	Comenius University Bratislava	marian.masar@uniba.sk
Ecaterina MAZUR	„Nicolae Testemițanu” State University of Medicine and Pharmacy, Chișinău	ecaterina.mazur@usmf.md
Adriana MODROIU	George Emil Palade UMPHST of Târgu Mureș	adriana.modroiu@umfst.ro
Balázs MOLNÁR	University of Pécs	drmolnarvet@gmail.com
Tas-Szilveszter MOLNÁR	George Emil Palade UMPHST of Târgu Mureș	molnartas18@gmail.com
Katarína MOLNÁROVÁ	Charles University, Prague	katarina.molnarova@natur.cuni.cz
Cynthia NAGY	University of Debrecen	nagy.cynthia@science.unideb.hu
Laura NAGY	University of Pécs	laura.nagy@aok.pte.hu
Katalin NAGY	„Iuliu Hațieganu” University of Medicine and Pharmacy, Cluj-Napoca	nagy.katalin@umfcluj.ro
Szilárd NAGY	George Emil Palade UMPHST of Târgu Mureș	n.szilard99@gmail.com
Mónika NANYS	Semmelweis University, Budapest	monika.nanys@gmail.com
Titus OBASI	„Iuliu Hațieganu” University of Medicine and Pharmacy	tcobasi@gmail.com
Radu OPREAN	„Iuliu Hațieganu” University of Medicine and Pharmacy	roprean@umfcluj.ro
Tamara PAJANOVA	Bulgarian Academy of Sciences	tamara@bio21.bas.bg
Lajos Attila PAPP	George Emil Palade UMPHST of Târgu Mureș	lajos.papp@umfst.ro

Aleksandar PIPEVSKI	Goce Delčev University, Stip	apiperevski@yahoo.com
Ewa POBOŻY	University of Warsaw	ewapob@chem.uw.edu.pl
Marijana POCRNIĆ	University of Zagreb	mpocrnic@chem.pmf.hr
Katharina PÜHRINGER	University of Vienna	katharina.puehringer@univie.ac.at
Alexandra PUSTA	„Iuliu Hațieganu” University of Medicine and Pharmacy	alexandra.pusta@umfcluj.ro
Galina RADEVA	Neofit Rilski University of Blagoevgrad	gradeva@bio21.bas.bg
Emőke Margit RÉDAI	George Emil Palade UMPHST of Târgu Mureș	emoke.redai@umfst.ro
Pál SALAMON	Sapientia Hungarian University of Transylvania, Miercurea Ciuc	salamonpal@uni.sapientia.ro
Viktor SÁNDOR	University of Pécs	sandor.viktor@pte.hu
Martin SCHMID	University of Graz	martin.schmid@uni-graz.at
Elisabeth SEIBERT	University of Graz	elisabeth.seibert@uni-graz.at
Alice ŠIMONOVÁ	Charles University, Prague	alice.tomnikova@natur.cuni.cz
Emese SIPOS	George Emil Palade UMPHST of Târgu Mureș	emese.sipos@umfst.ro
Elżbieta SOBOLEWSKA	University of Warsaw	e.sobolewska6@uw.edu.pl
Ivona SOFRONIEVSKA	Sts Cyril and Methodius Univ. of Skopje	ivona.sofronievska@pmf.ukim.mk
Jasmina Petreska STANOEVA	Sts Cyril and Methodius Univ. of Skopje	jasmina.petreska@pmf.ukim.mk
Marina STEFOVA	Sts Cyril and Methodius Univ. of Skopje	marinastefova@gmail.com
Ruben SZABÓ	University of Debrecen	szabodavidruben@gmail.com
Zoltán István SZABÓ	George Emil Palade UMPHST of Târgu Mureș	zoltan.szabo@umfst.ro
Blanka SZÉKELY-SZENTMIKLÓSI	George Emil Palade UMPHST of Târgu Mureș	blanka.szekely-szentmiklosi@umfst.ro
Anikó TAKÁTSY	University of Pécs	aniko.takatsy@aok.pte.hu
Ana-Maria TATARU	„Iuliu Hațieganu” University of Medicine and Pharmacy	ana.mari.tataru@elearn.umfcluj.ro
Camelia-Maria TOMA	George Emil Palade UMPHST of Târgu Mureș	camelia.toma@umfst.ro
Souad-Diana TORK	Babeș-Bolyai University, Cluj-Napoca	souad.tork@ubbcluj.ro
Róbert TÓTÓŠ	Babeș Bolyai University, Cluj-Napoca	robert.totos@ubbcluj.ro
Livia UNCŪ	„Nicolae Testemițanu” State University of Medicine and Pharmacy, Chișinău	unculivia6@gmail.com
Szende VANCEA	Harghita County Service of Forensic Medicine SJML	vancsa.szende@gmail.com
Erzsébet VARGA	George Emil Palade UMPHST of Târgu Mureș	erzsebet.varga@umfst.ro
Gayatri VISHWAKARMA	University of Debrecen	gayatri.vishwakarma@science.unideb.hu
Robert-Alexandru VLAD	George Emil Palade UMPHST of Târgu Mureș	robert.vlad@umfst.ro
Arnold ZÖLDHEGYI	Molnár-Institute for Applied Chromatography, Berlin	arnold.zoeldhegyi@molnar-institute.com

Design, DTP: György Donáth-Nagy

notes

Date:



notes

Date:

