

MONDAY, 07 JULY, 2025 |

9:00 – 9:30

THE OFFICIAL OPENING OF THE CONFERENCE

CRISTINA ADRIANA DEHELEAN, PhD, Prof.,
Head of the Doctoral Studies Council

CODRUȚA ȘOICA, PhD, Prof., Dean of the
Faculty of Pharmacy

CORINA DANCIU, PhD, Prof., Head of the
Doctoral School of Pharmacy

9:30 – 10:30

PAUL BOGDAN, PhD, Professor

*AI for Drug Discovery and Development: Emerging
Applications, Challenges, and Opportunities*

[https://zoom.us/j/94800831352?](https://zoom.us/j/94800831352?pwd=ZuNHdDtsWhaOkHRik4sXqil5jln7kR.1)
[pwd=ZuNHdDtsWhaOkHRik4sXqil5jln7kR.1](https://zoom.us/j/94800831352?pwd=ZuNHdDtsWhaOkHRik4sXqil5jln7kR.1)

10:30 – 11:15

ISTVAN ZUPKO, PhD, Professor

**Awarding of the Visiting Professor title,
Faculty of Pharmacy, UMF Victor Babeș**

*Anticancer research at the Faculty of
Pharmacy, University of Szeged*

11:30 – 12:45

SESSION 1

SMART MONITORING AND PHARMA MANAGEMENT OF DDIS

LUCRETIA UDRESCU, PHD, PROFESSOR

MARIUS MIOC, PHD, PROFESSOR

13:00 – 14:15

SESSION 2

*EMERGING APPROACHES IN THE PREVENTION AND
MANAGEMENT OF CONTEMPORARY DISEASES*

DORINA CORICOVAC, PHD, PROFESSOR

ELENA-ALINA MOACĂ, PHD, ASSOC.PROF.

14:15 – 15:00

BREAK

15:00 – 16:00

ANDREAS BENDER, PhD, Professor

*Artificial Intelligence in Drug Discovery:
The Six Circles of Hell*

[https://zoom.us/j/95273761761?](https://zoom.us/j/95273761761?pwd=dbvBuNvfrqlqZFD6b0R4ywOzPXh6b5.1)
[pwd=dbvBuNvfrqlqZFD6b0R4ywOzPXh6b5.1](https://zoom.us/j/95273761761?pwd=dbvBuNvfrqlqZFD6b0R4ywOzPXh6b5.1)

16:00 – 17:00

BREAK

17:00 – 18:00

TUDOR OPREA, Professor Emeritus

*Artificial Intelligence and Machine Learning (AIML)
in Drug Discovery and Repositioning*

[https://zoom.us/j/99549735187?](https://zoom.us/j/99549735187?pwd=zP9HWVdrIM9UYEkNrmM0unJttGNG1.1)
[pwd=zP9HWVdrIM9UYEkNrmM0unJttGNG1.1](https://zoom.us/j/99549735187?pwd=zP9HWVdrIM9UYEkNrmM0unJttGNG1.1)

TUESDAY, 08 JULY, 2025 |

9:00 – 10:15

SESSION 3

BIOACTIVE COMPOUNDS FROM PLANTS: ISOLATION, CHARACTERIZATION, AND THERAPEUTIC POTENTIAL

CORINA DANCIU, PHD, PROFESSOR

IULIA PÎNZARU, PHD, PROFESSOR

10:15 – 11:30

SESSION 4

FUNCTIONALIZATION AND DERIVATIZATION OF PHYTOCHEMICALS: FROM BENCH TO BIOACTIVITY

CODRUȚA ȘOICA, PHD, PROFESSOR

MARIUS MIOC, PHD, PROFESSOR

11:30 – 12:30

SESSION 5

NOVEL CANDIDATES AS ANTICANCER AGENTS

CORINA DANCIU, PHD, PROFESSOR

LUCREȚIA UDRESCU, PHD, PROFESSOR

12:30 – 13:00

**ANDREI TANASE, Account
Manager, Merck Life Science**

*WS: Practical demonstration of cell culture
instrumentation*

13:00 – 14:00

BREAK

14:00 – 15:00

**IGOR PONGRAC, PhD, MBA,
Merck Life Science**

WS: Innovative 3D Culture Models

[https://zoom.us/j/96555891743?](https://zoom.us/j/96555891743?pwd=TIBb7ldTqaxOsVsVJ8hb7hzwHIWAvM.1)

[pwd=TIBb7ldTqaxOsVsVJ8hb7hzwHIWAvM.1](https://zoom.us/j/96555891743?pwd=TIBb7ldTqaxOsVsVJ8hb7hzwHIWAvM.1)

15:00 – 16:00

*WS: Advanced cell cultures systems for
Drug Testing, Toxicity Studies, and Disease
Modeling*

[https://zoom.us/j/98774742246?](https://zoom.us/j/98774742246?pwd=tVkuIEpapUACQBExYUFMTT5VE9wj32.1)

[pwd=tVkuIEpapUACQBExYUFMTT5VE9wj32.1](https://zoom.us/j/98774742246?pwd=tVkuIEpapUACQBExYUFMTT5VE9wj32.1)

16:00 – 17:00

**ADRIAN BOT, MD, PhD, CSO and
EVP R&D Capstan Therapeutics**

*Immunotherapy: A Major Pillar of Biopharmaceutical
Innovation*

[https://zoom.us/j/99181310578?](https://zoom.us/j/99181310578?pwd=W7DnVRY09aVkkolPu6nzcBXHT9Cgep.1)

[pwd=W7DnVRY09aVkkolPu6nzcBXHT9Cgep.1](https://zoom.us/j/99181310578?pwd=W7DnVRY09aVkkolPu6nzcBXHT9Cgep.1)

WEDNESDAY, 09 JULY, 2025 |

10:00 – 11:00

MARIA A. OCCHIUZZI, PhD

Application of computational methodologies toward the identification of novel therapeutics and photodegradation studies for the design of light-stable formulations

<https://zoom.us/j/99124176832?pwd=deMTROKWHTx6flGqYlaYP03vUa4pxg.1>

11:00 – 12:00

RITA AMBRUS, PhD, Professor

Strategies from the field of particle engineering to develop novel formulations; updated overview

<https://zoom.us/j/96050575698?pwd=Il7WprbTmclXRsPjQoMf5lRV8vC4lh.1>

12:00 – 13:00

BREAK

13:00 – 14:30

SESSION 6

PHARMACEUTICAL FORMULATIONS OF BIOACTIVE COMPOUNDS: TOWARD ENHANCED THERAPEUTIC EFFICACY

CRISTINA ADRIANA DEHELEAN, PHD, PROFESSOR
LAVINIA LIA VLAIA, PHD, PROFESSOR

14:30 – 15:00

BREAK

15:00 – 16:00

EMILY REIS, PhD, MatTek

WS: Alternative in Vitro Methods: 3D Reconstructed Tissue Models

16:00 – 16:30

**E-POSTERS
PRESENTATION**

16:30 – 18:30

EMILY REIS, PhD, MatTek

WS: EpiDerm Skin Irritation Test OECD TG 439, the gold standard and widely used alternative testing method of chemicals on the skin

SESSION 1

MONDAY

11:30 - 12:45

SMART MONITORING AND PHARMA
MANAGEMENT OF DDIS

LUCRETIA UDRESCU, PHD, PROFESSOR

MARIUS MIOC, PHD, PROFESSOR

**Daiana Colibășanu, Sebastian Mihai Ardelean,
Florina-Diana Goldiș, Maria-Medana Drăgoi, Sabina-
Oana Vasii, Tamara Maksimovic, Șerban Colibășanu,
Codruța Șoica, Lucreția Udrescu**

*Systemic Drug-Drug Interactions in Dental Care: Patterns, Risks,
and Clinical Management Strategies*

**Maria-Medana Drăgoi, Sebastian-Mihai Ardelean,
Lucreția Udrescu**

*Drug-Drug Interactions in COPD Therapy: A Community
Pharmacy Study*

Elisabeta P. Atyim, Marius Mioc, Codruța Șoica

*Computational Exploration of Betulinic Acid Hybrids as Dual
bcl-2/bcl-xl Inhibitors*

Eliza Szabo, Iulia Pinzaru

*Targeting Melanoma Via Drug Repurposing: Investigating
Melatonin Synergy and Melanin-driven Resistance in 2d Cell Line
Models*

**Sabina-Oana Vasii, Daniel-Claudiu Malița, Florin
Bîrsășteanu, Ioana Ioniță, Lucreția Udrescu**

*Clinical Relevance of Drug-Drug Interactions in Hemato-
Oncology with Focus on Contrast Media*

SESSION 2

MONDAY

13:00 – 14:15

EMERGING APPROACHES IN THE PREVENTION AND
MANAGEMENT OF CONTEMPORARY DISEASES

DORINA CORICOVAC, PHD, PROFESSOR
ELENA-ALINA MOACĂ, PHD, ASSOC.PROF.

Ionela Brînzei, Dorina Coricovac

Bridging Stroke Pathophysiology and Therapy: a Translational Perspective

Florina-Diana Goldiș, Răzvan Păiușan, Mihai Udrescu, Lucreția Udrescu

Drug-Drug Interactions in Outpatient Psychiatry: From Interaction Profiles to Smart Monitoring

Maksimović Tamara, Mioc Alexandra, Șoica Codruța

The Anti-Aging Effects of Polyphenols: the Mitochondrial Perspective

Dalia-Maria Horșia (Pătrașcu), Noni Ștefan Marcu, Alex-Robert Jîjie, Elena-Alina Moacă, Oana Andrada Iftode, Cristina Adriana Dehelean

Datura stramonium L. - The Toxicological Aspects of an Alternative Drug of Abuse

Oana-Maria Eșanu, Codruța Șoica, Marius Mioc

Evaluation of the Anticancer Properties of Cedrus Atlantica Essential Oil on Skin and Colorectal Cancer Cell

BIOACTIVE COMPOUNDS FROM PLANTS: ISOLATION, CHARACTERIZATION, AND THERAPEUTIC POTENTIAL

CORINA DANCIU, PHD, PROFESSOR

IULIA PÎNZARU, PHD, PROFESSOR

Antal Gabriela, Mihaela Čoban, Marius Mioc, Codruța Șoica, Alexandra Mioc

Syzygium Aromaticum L. Essential Oil: In Vitro and In Silico Assessment of Its Cytotoxic Potential Against Cancer Cells

Ramona Fecker, Larisa Bora, Ștefana Avram, Daliana Minda, Ioana Zinuca Magyari-Pavel, Elena-Alina Moacă, Cristina Adriana Dehelean, Corina Danciu

Correlative Assessment of Oenothera biennis L. Using In Vitro and In Ovo Models

Diana Haj Ali, Larisa Bora, Ștefana Avram, Daliana Minda, Ioana Zinuca Magyari-Pavel, Adina Cata, Ioana Ienascu, Cristina Adriana Dehelean, Corina Danciu

Geranium robertianum L. as a Source of Bioactive Compounds: From Pharmacognostic Characterization to Biological Relevance

Alex-Robert Jîjie, Elena-Alina Moacă, George Andrei Drăghici, Oana Andrada Iftode, Dalia Pătrașcu, Ionela Daliana Minda, Laura Sbârcea, Grațiana Ruse, Cristina Adriana Dehelean

Elemental Composition and Potential Nutraceutical Value of Taxus baccata L. Arils: a Preliminary Safety Assessment

FUNCTIONALIZATION AND DERIVATIZATION OF PHYTOCHEMICALS: FROM BENCH TO BIOACTIVITY

CODRUȚA ȘOICA, PHD, PROFESSOR
MARIUS MIOC, PHD, PROFESSOR

Mihaela Coban, Marius Mioc

Rational Design of Betulin-based Hybrids as Multi-Target Inhibitors of Anti-Apoptotic Bcl Proteins

Marinela Nicolescu, Iulia Pinzaru

Integration of Nanoparticle-based Drug Delivery and AI-Driven Pharmacogenomics in the Treatment of Prostate Adenocarcinoma

Iasmina-Alexandra Predescu, Iulia Pinzaru

Design and Evaluation of Advanced Nanocarriers for Targeted Delivery of Antitumor Agents: From Physicochemical Characterization to Preclinical Validation

Prodea Alexandra, Eșanu Oana, Mioc Marius, Șoica Codruța

Synthetically Enhanced Betulin-based Triazoles as Promising Anticancer Agents

Diana Ungureanu (Similie), Larisa Bora, Stefana Avram, Măris Turks, Delia Muntean, Corina Danciu

Assessment of the Antiproliferative, Cytotoxic, Anti-migratory, Antimicrobial, and Irritative Potential of Novel Phosphonate Derivatives of Betulinic Acid

SESSION 5

TUESDAY

11:30 - 12:30

NOVEL CANDIDATES AS ANTICANCER AGENTS

CORINA DANCIU, PHD, PROFESSOR
LUCREȚIA UDRESCU, PHD, PROFESSOR

Ștefania-Irina Dumitrel, Andreea Cristea, Andreea Smeu, Sergio Liga, Cristina-Adriana Dehelean

Digoxin as a Potential Anticancer Agent in Melanoma Treatment

Grațiana Ruse, Elena-Alina Moacă, Alexandra-Denisa Semenescu, Ștefana Avram, Andreea Milan, Alex-Robert Jîjie, Diana-Simona Tchiakpe-Antal

In vitro and In Ovo Evaluation of Water-Soluble Extract From Coffea arabica Green Seeds - A Phytotherapeutic Perspective in Cutaneous Oncology

Slavița Rotunjanu, Roxana Racoviceanu, Codruța Șoica

Praseodymium-Doped Cobalt Ferrite Nanoparticles: Novel Selective Anticancer Agents with Magnetic Modulation

Pârvănescu Ramona, Maksimović Tamara, Șoica Codruța, Trandafirescu Cristina

Improving Anticancer Activity of Flubendazole via Inclusion Complexes with Randomly Methylated β -Cyclodextrin

SESSION 6

WEDNESDAY
13:00 – 14:30

PHARMACEUTICAL FORMULATIONS OF BIOACTIVE
COMPOUNDS: TOWARD ENHANCED THERAPEUTIC EFFICACY
CRISTINA ADRIANA DEHELEAN, PHD, PROFESSOR
LAVINIA LIA VLAIA, PHD, PROFESSOR

Iulia Semenescu, Ștefana Avram, Larisa Bora, Szilvia Berkó, Daliana Minda, Corina Danciu

Antioxidant activity of 2% G. glabra L. hydrogels for potential use in oxidative stress-related skin conditions

Ioana-Zinuca Magyari-Pavel, Diana Ungureanu (Similie), Avram Ștefana, Elena-Alina Moacă, Larisa Bora, Minda Daliana, Lavinia Vlaia, Cristina Adriana Dehelean, Corina Danciu

Maslinic Acid Nanoemulsion: In Vitro and In Ovo Assessment

Ema Teodora Nițu, Luciana Buliga, Ioana Mitrofan, Amalia Ridichie, Cornelia Muntean, Ionuț Ledeți, Adriana Ledeți, Laura Sbârcea

Co-Crystallization Adducts of Carvedilol with Carboxylic Acids: Design and Characterization

Colgiu Ștefania-Adriana, Cotan Ana-Maria, Olariu Ioana-Viorica, Vlaia Vicențiu, Coneac Georgeta-Hermina, Vlaia Lavinia

Study on In Vitro Release and Permeation of Oxymetazoline Hydrochloride from Topical Cream and Hydrogel Vehicles

Bora Larisa, Avram Ștefana, Minda Daliana, Magyari-Pavel Ioana-Zinuca, Bennani Zineb, Ienașcu Ioana Maria Carmen, Căta Adina, Delia Muntean, Danciu Corina

Moroccan Pomegranate Peel Extract: Phytochemical Profile and Bioactivity Evaluation for Oral Health

E-POSTERS PRESENTATION

WEDNESDAY
16:00 – 16:30

Alexandra-Denisa Stoian, Lavinia Cosmina Ardelean, Monica Licker, Caius Stoian, Robert-Ramzi Azar, Georgiana Boici, Cosmin Sinescu, Meda-Lavinia Negrutiu

Influence of Material Type, Surface Finish, and Oral Hygiene on Microbial Colonization of Denture Bases

Enuca Raluca, Sinescu Cosmin, Negruțiu Meda Lavinia, Amaricăi Elena Constața, Novac Andreea Codruta

Generation of Medical Devices that Measures and Optimize Patient Posture in Dental Practice

Robert-Ramzi Azar, Edward-Ronald Azar, Andreea-Violeta Ardelean, Alexandra-Denisa Stoian, Georgiana Boici, Cosmin Sinescu, Meda-Lavinia Negrutiu

Revisiting Subperiosteal Implants: A Narrative Review of Contemporary Literature

Langă Maria Cristina, Nica Diana Florina, Virgil-Florin Duma, Sinescu Cosmin, Heredea Rodica Elena

Dentigerous Cysts in Children - Clinical, Radiological and Healing Aspects

Carina-Sonia Neagu, Robert-Angelo Tuce, Rodica Turcu, Izabell Craciunescu, Vlad Mircea Socoliuc, Luminita-Maria Nica, Virgil-Florin Duma, Cosmin Sinescu

Digital photocolormetry for the evaluation of dental restorations using magnetic dental adhesives