

**11. HRVATSKI KONGRES
FARMAKOLOGIJE**

S MEĐUNARODNIM SUDJELOVANJEM

SPLIT, 25. - 28. RUJNA 2025.

**PROGRAM
PROGRAMME**

**11TH CROATIAN CONGRESS OF
PHARMACOLOGY**

WITH INTERNATIONAL PARTICIPATION

SPLIT, SEPTEMBER 25 – 28, 2025.

ORGANIZATORI KONGRESA / CONGRESS ORGANISERS

Hrvatsko Društvo Farmakologa / Croatian Pharmacological Society
Sveučilište u Splitu Medicinski fakultet / University of Split School of Medicine
Agencija za lijekove i medicinske proizvode Republike Hrvatske (HALMED) /
Agency for Medicinal Products and Medical Devices of Croatia (HALMED)
Akademija medicinskih znanosti Hrvatske (AMZH) /
Croatian Academy of Medical Sciences (AMZH)

ORGANIZACIJSKI ODBOR / ORGANISING COMMITTEE

Predsjednik / President: Darko Modun (Split)

Članovi / Members: Lidija Bach-Rojecky (Zagreb), Suzana Matanović Mimica (Osijek), Jasenka Mršić-Pelčić (Rijeka), Matea Nikolac Perković (Zagreb), Jelena Osmanović Barilar (Zagreb), Ivana Šutej (Zagreb), Dubravka Švob Štrac (Zagreb), Siniša Tomić (Zagreb)

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ZNANSTVENI ODBOR / SCIENTIFIC COMMITTEE

Predsjednik / President: Mladen Boban

Članovi / Members: Ana Alfirević, Nenad Bogdanović, Adam Cohen, Željko Debeljak, Marijan Klarica, Mojca Kržan, Robert Likić, Ivica Matak, Simon Maxwell, Kristina Peroš, Kristina Pilipović, Erika Pintér, Jelena Roganović, Melita Šalković-Petrišić

POKROVITELJ / HELD UNDER THE AUSPICES OF

Hrvatska akademija znanosti i umjetnosti (HAZU) /
Croatian Academy of Sciences and Arts (HAZU)

OPĆE INFORMACIJE / GENERAL INFORMATION

Mjesto održavanja Kongresa / Congress venue

Sveučilište u Splitu Medicinski fakultet / University of Split School of Medicine

Šoltanska 2A, 21000 Split, Croatia

Registracija sudionika kongresa - prizemlje /

Registration of Congress participants - Ground floor

Velika dvorana - prvi kat / Grand Hall - First floor

Dvorane A i B - prizemlje / Hall A and Hall B - Ground floor

Mjesto održavanja kongresne večere / Congress dinner venue

Sia Split Hotel, Poljička cesta 26E, 21000 Split, Croatia

Službeni jezici Kongresa / Congress official languages

Hrvatski i engleski / Croatian and English

Mrežne stranice Kongresa / Congress web sites

<http://hdf-pharma.mef.hr/>

Bodovi strukovnih komora / Professional chambers credits

Temeljem Pravilnika o trajnom usavršavanju Hrvatske liječničke komore, registrirano sudjelovanje liječnika na Kongresu vrednovat će se za aktivne sudionike (usmeno izlaganje ili poster) i za slušatelje. Temeljem Pravilnika o sadržaju, rokovima i postupku stručnog usavršavanja i provjere stručnosti Hrvatske ljekarničke komore, registrirano sudjelovanje liječnika i farmaceuta na Kongresu vrednovat će se za aktivne sudionike (usmeno izlaganje ili poster) i za slušatelje.

Based on the Croatian Chamber of Physicians Regulations on Continuous Medical Education, registered participation of physicians at the Congress will obtain credits for active participation (oral presentation or poster) and attendance. Based on the Croatian Chamber of Pharmacists Regulations on the Content, Terms and Procedures of Professional Advancement and Testing of Professional Expertise, registered participation of physicians and pharmacists at the Congress will obtain credits for active participation (oral presentation or poster) and attendance.

DETALJAN RASPORED KONGRESNIH AKTIVNOSTI / **DETAILED TIMETABLE OF CONGRESS ACTIVITIES**

ČETVRTAK 25. 9. 2025. / THURSDAY 25. 9. 2025.

- 16:00-18:00 Registracija sudionika kongresa (Prizemlje) /
Registration of Congress participants (Ground floor)
- 18:00-18:45 Svečano otvorenje kongresa (Velika dvorana) /
Opening ceremony (Grand Hall)
- 18:45-19:30 **Plenarno predavanje P1 - Adam Cohen: *Hoće li klinička farmakologija učiniti održivim razvoj lijekova? Pogled iz perspektive***
(Velika dvorana) /
Plenary lecture P1 - Adam Cohen: *Will clinical pharmacology make drug development sustainable? A prospective view* (Grand Hall)
- 19:30-21:00 Prijam dobrodošlice (Prizemlje) /
Welcome reception (Ground floor)

PETAK 26. 9. 2025. / FRIDAY 26 .9. 2025.

- 09:00-10:30 **Simpozij S1 - *Regulativa lijekova – 1. dio*** (Dvorana A) /
Symposium S1 - *Medicines Regulation-1. part* (Hall A)
- Organizator / Organiser:
Agencija za lijekove i medicinske proizvode Republike Hrvatske (HALMED) /
Agency for Medicinal Products and Medical Devices of Croatia (HALMED)
- Goranka Marušić Kontent: Revizija općeg farmaceutskog zakonodavstva u EU /
Revision of EU general pharmaceuticals legislation
 - Ivana Zadro Grahovac: Nova Uredba o izmjenama - pregled i iskustva iz prakse /
Amended variation regulation - overview and practical experiences
 - Azra Selimović: Procjena rizika za okoliš lijekova za primjenu kod ljudi /
Environmental risk assessment of medicinal products for human use

09:00-10:30 **Simpozij S2 - Istraživanje i razvoj novih lijekova** (Dvorana B) /
Symposium S2 - Research and Development of New Drugs (Hall B)

Organizator / Organiser: Robert Likić

- Geert Jan Groeneveld: Inovacije u ranim fazama kliničkih studija lijekova: napredak u neurologiji i liječenju boli /
Innovations in early phase clinical drug studies: advancements in neurology and pain
- Iveta Merćep: Nova regulacija kliničkih ispitivanja u Europi /
New clinical trials regulation in Europe
- Adam F Cohen: Čitanje i tumačenje IMPD/IB. Strukturirana metoda i digitalni alat /
Reading and Interpreting an IMPD/IB. A structured method and digital tool
- Dorian Dulčić: Trimetazidin i zacjeljivanje rana: transkriptomski uvidi u angiogenezu, upalu i metabolizam kod dijabetičkih ulkusa stopala /
Trimetazidine and wound healing: Transcriptomic insights into angiogenesis, inflammation and metabolism in diabetic foot ulcers

10:30-11:00 Osvježenje (Prizemlje) /
Refreshments (Ground floor)

11:00-12:30 **Simpozij S3 - Regulatorna lijekova – 2. dio** (Dvorana A) /
Symposium S3 - Medicines Regulation-2. part (Hall A)

Organizator / Organiser:

Agencija za lijekove i medicinske proizvode Republike Hrvatske (HALMED) /
Agency for Medicinal Products and Medical Devices of Croatia (HALMED)

- Višnja Drinovac Vlah: Pregled nekliničkih studija u utvrđivanju sigurnosti novih djelatnih tvari /
Overview of non-clinical safety evaluation of new active substances
- Mirna Golemović: Lijekovi za naprednu terapiju /
Advanced therapy medicinal products
- Mateja Mervić: Inicijative za bolju dostupnost lijekova /
Initiatives in improving the availability of medicinal products

11:00-12:30 **Simpozij S4 - Bol – Izazovi i nove mogućnosti liječenja** (Dvorana B) /
Symposium S4 - Pain-Challenges and new treatment possibilities (Hall B)

Organizator / Organiser: Lidija Bach-Rojecky, Ivica Matak

- Lidija Bach-Rojecky: Izazovi u liječenju boli i razvoj novih analgetika /
Challenges in the treatment of pain and the development of new analgesics
- Zsuzsanna Helyes: Razvoj novog višeciljnog analgetičkog kandidata za
kroničnu neuropatsku bol: rezultati predkliničke i kliničke IA faze /
Development of a novel multi-target analgesic candidate for chronic
neuropathic pain: preclinical and phase IA clinical results
- Erika Pintér: Razvoj transdermalnih flastera na bazi silicija koji sadrže
kapsaicin i diklofenak protiv neuropatskih bolnih stanja /
Development of silicon-based, capsaicin and diclofenac containing
transdermal patches against neuropathic pain conditions
- Ivica Matak: Analgetsko djelovanje botulinum toksina i njegovih
rekombinantnih derivate /
The analgesic activity of botulinum toxin and its recombinant derivatives
- Petra Šostarić Mužić: Arhitektura mišjeg ligamentuma denticulatum
specifična za razinu kralježnice /
Spinal level-specific architecture of the mouse ligamentum denticulatum

12:30-13:15 **Plenarno predavanje P2 – Erika Pinter: Somatostatinski sst4 receptor
je nova meta u terapiji kroničnih bolnih stanja: od ranih otkrića do
kliničkih ispitivanja** (Velika dvorana) /

**Plenary lecture P2 - Erika Pinter: Somatostatin sst4 receptor is a
novel target in the therapy of chronic pain conditions: from early
discoveries to clinical trials** (Grand Hall)

13:15-14:45 Ručak (Prizemlje) /
Lunch (Ground floor)

14:45-15:45 **Radionica W1 - Farmakovigilancija: od teorije do prakse** (Dvorana A) /
Workshop W1 - Pharmacovigilance: from theory to practice (Hall A)

Organizator / Organiser:

Agencija za lijekove i medicinske proizvode Republike Hrvatske (HALMED) /
Agency for Medicinal Products and Medical Devices of Croatia (HALMED)

- Moderator / Moderators: Barbara Kovačić Bytyqi, Morana Pavičić, Iva Kuliš

14:45-15:45 **Radionica W2 - Inovacije u farmakologiji i medicinskom obrazovanju**
(Dvorana B) /

Workshop W2 - Innovations in Pharmacology and Medical Education (Hall B)

Organizator / Organiser: Claire Guilding C, Simon Maxwell

15:45-16:15 Osvježenje (Prizemlje) /
Refreshments (Ground floor)

16:15-17:45 **Radionica W3 - Kako do najviše dozvoljene cijene lijeka u RH? – Od zahtjeva do rješenja** (Dvorana A) /
Workshop W3 - How to Determine the Highest Permitted Wholesale Price of a Medicine in Croatia? – From Application to Decision (Hall A)

Organizator / Organiser:

Agencija za lijekove i medicinske proizvode Republike Hrvatske (HALMED) /
Agency for Medicinal Products and Medical Devices of Croatia (HALMED)

Moderatori / Moderators: Eva Šintiћ, Josip Kaurinović, Marija Škribulja, Lino Nikolić

16:15-17:45 **Simpozij S5 - Intervencija u načinu života kao terapijski pristup kroničnim bolestima** (Dvorana B) /
Symposium S5 - Lifestyle intervention as a therapeutic approach for chronic diseases (Hall B)

Organizator / Organiser: Mladen Boban

- Ivana Kolčić: Mediteranska prehrana kao nefarmakološko liječenje nezaraznih bolesti /
Mediterranean diet as a non-pharmacological treatment for non-communicable diseases
- Mladen Boban: Mediteranska prehrana: s vinom ili bez vina? /
Mediterranean diet: with or without wine?
- Anela Novak: Izlječenje dijabetesa tipa 2 promjenom u načinu života /
Reversal of type 2 diabetes with lifestyle intervention
- Barbara Gilić Škugor: Recept za tjelovježbu kao dio plana liječenja kroničnih bolesti/
Exercise prescription as part of the treatment plan for chronic diseases

17:45- Slobodno vrijeme i razgledavanje grada /
Free time and City tour

SUBOTA 27. 9. 2025. / SATURDAY 27. 9. 2025.

09.00-10.30 **Simpozij S6 - *Novosti u biomarkerima i pristupu liječenju demencije te poremećaja spavanja i kognicije povezanih s demencijom*** (Dvorana A) / **Symposium S6 - *News in biomarkers and treatment approaches for dementia and dementia-related sleep and cognition disorders*** (Hall A)

Organizator / Organiser: Nela Pivac, Akademija medicinskih znanosti Hrvatske (AMZH) / Croatian Academy of Medical Sciences (AMZH)

- Nela Pivac: Biomarkeri Alzheimerove bolesti / Biomarkers of Alzheimer's disease
- Marija Heffer: Neurotropni učinci oksisterola – štetne ili bezopasne nuspojave lijekova koji utječu na sintezu kolesterola? / Neurotropic effects of oxysterols- harmful or harmless side effects of medication affecting cholesterol synthesis?
- Janoš Terzić: Uloga mikrobiote u neurodegeneraciji / The role of microbiota in neurodegeneration
- Zoran Đogaš: Novosti u farmakološkom liječenju poremećaja spavanja u demenciji / New developments in the pharmacological management of sleep disorders in dementia
- Marina Šagud: Farmakološko liječenje Alzheimerove bolesti iz perspektive kliničara / Pharmacological treatment of Alzheimer's disease from the clinician perspective

09.00-10.30 **Simpozij S7 - *Nove terapije u neurodegenerativnim bolestima*** (Dvorana B) / **Symposium S7 - *New therapies in neurodegenerative disorders*** (Hall B)

Organizator / Organiser: Jelena Osmanović Barilar, Melita Šalković-Petrišić

- Jelena Osmanović Barilar, Melita Šalković-Petrišić: Novi lijekovi u neurodegenerativnim bolestima / New drugs in neurodegenerative diseases
- Ana Babić Perhoč: Stabilizacija transtiretina kao pleiotropna neuroprotektivna strategija: kinetička stabilizacija u mozgu modulira upalu i antioksidacijske puteve u neurodegeneraciji /

Transthyretin stabilization as a pleiotropic neuroprotective strategy: Brain-targeted kinetic stabilization modulates inflammation and antioxidant pathways in neurodegeneration

- Eugenio Barone: Moždana inzulinska rezistencija kao znak ubrzanog starenja u Downovom sindromu /

Brain insulin resistance as a hallmark of accelerated aging in Down syndrome

- Stanislav Gobec: Multifunkcionalni spojevi za potencijalno liječenje Alzheimerove bolesti /

Multifunctional compounds for potential treatment of Alzheimer's disease

- Ana Knezović: Farmakokinetika i farmakodinamika intranazalno primijenjenog inzulina u štakorskom mozgu /

Pharmacokinetics and pharmacodynamics of intranasally administered insulin in a rat brain

- Jan Homolak: Agregacija transtiretina u mišjem modelu sporadične Alzheimerove bolesti povećava ranjivost na oksidacijski stres i može doprinosti napredovanju bolesti /

Transthyretin aggregation in a mouse model of sporadic Alzheimer's disease increases oxidative stress vulnerability and may contribute to disease progression

10.30-11.00 Osvježenje (Prizemlje) /
Refreshments (Ground floor)

11.00-11.45 **Plenarno predavanje P3 – Nenad Bogdanović: *Farmakoterapija kognitivnih poremećaja u gerijatrijskoj populaciji*** (Velika dvorana) /
Plenary lecture P3 - Nenad Bogdanović: *Pharmacotherapy of cognitive disorders in the geriatric population* (Grand Hall)

11.45-13.15 **Simpozij S8 - *Mentalni poremećaji: od prevencije do liječenja*** (Dvorana A) /
Symposium S8 - *Mental disorders: from prevention to treatment* (Hall A)

Organizator / Organiser: Dubravka Švob Štrac

- Dubravka Švob Štrac: Novi istraživački pristupi prevenciji i terapiji mentalnih poremećaja /
Novel research approaches for prevention and therapy of mental disorders
- Diana Cash: Pretkliničko neurooslikavanje u otkriću lijekova

Preclinical neuroimaging in drug discovery

- Marija Magdalena Petrinović: Modulacija ponavljajućih ponašanja u autizmu: Translacijsko neurooslikavanje i farmakološki uvid /
Modulation of repetitive behaviors in autism: Translational neuroimaging and pharmacological insights
- Gordana Nedić Erjavec: Dehidroepiandrosteron sulfat u Alzheimerovoj bolesti: metabolomska perspektiva /
Dehydroepiandrosterone sulfate in Alzheimer's disease: A metabolomics perspective
- Matea Nikolac Perković: Cirkulirajuće izvanstanične vezikule kao prediktori antidepressivnog odgovora /
Circulating extracellular vesicles as predictors of antidepressant response

11.45-13.15 **Simpozij S9 - Simpozij Marin Bulat: *Farmakologija intrakranijskog tlaka*** (Dvorana B) /

Symposium S9 - Marin Bulat Symposium: *Pharmacology of intracranial pressure management* (Hall B)

Organizator / Organiser: Marijan Klarica

- Marijan Klarica: Farmakološko liječenje intrakranijske hipertenzije /
Pharmacological treatment of intracranial hypertension
- Ivana Jurjević: Regulacija volumena cerebrospinalne tekućine – klasični i novi koncept /
Regulation of cerebrospinal fluid volume – classical and new concept
- Petra Dmitrović: Utjecaj hiperosmolarne otopine manitola na dinamiku cerebrospinalnog likvora u svinja /
Effect of hyperosmolar mannitol solution on cerebrospinal fluid dynamics in swine
- Marija Mamić: Farmakologija intrakranijskog i intraokularnog tlaka u novom modelu intrakranijske hipertenzije /
Pharmacology of intracranial and intraocular pressure in new model of intracranial hypertension
- Marijan Klarica: Mehanizam djelovanja manitola pri sniženju tlaka cerebrospinalnog likvora /
Mechanism of mannitol effects on cerebrospinal fluid pressure decrease

13:15-14:45 Ručak (Prizemlje) /
Lunch (Ground floor)

14.45 -15.30 **Plenarno predavanje P4 - Ana Alfirević: *Farmakogenomika - prošlost, sadašnjost, ima li budućnosti?*** (Velika dvorana) /
Plenary lecture P4 - Ana Alfirević: *Pharmacogenomics- past, present, is there future?* (Grand Hall)

15:30-17:00 **Simpozij S10 - *Farmakogenetika u personaliziranoj medicini*** (Dvorana A) /
Symposium S10 - *Pharmacogenetics in personalised medicine* (Hall A)

Organizator / Organiser: Nada Božina, Lana Ganoci

- Julia Carolin Stingl: Farmakogenetički vođeno liječenje: integracija sigurnosnih čimbenika specifičnih za pacijenta u holističkom pristupu personaliziranoj medicini /
Pharmacogenetics guided drug therapy: integrating patient specific safety factors in a holistic approach to personalized medicine
- Lana Ganoci: DPYD genotipizacija: koje varijante gena bi trebalo još uključiti u algoritme doziranja? /
DPYD genotyping: which gene variants should be included in dosing algorithms?
- Tamara Božina: Interakcije lijek-lijek-gen u predviđanju nuspojava kardiovaskularnih lijekova /
Drug-drug-gene interactions in predicting cardiovascular drug adverse reactions
- Mila Lovrić: Farmakogenetika i TDM u personaliziranom liječenju brivaracetamom /
Pharmacogenetics and TDM in personalized brivaracetam treatment

15:30-17:00 **Simpozij S11 - *Nove strategije liječenja glijom posredovane neuroinflamacije kod neurodegenerativnih bolesti: od prirodnih ekstrakata do ciljanih bioloških terapija*** (Dvorana B) /
Symposium S11 - *Novel treatment strategies for glia-mediated neuroinflammation in neurodegenerative diseases: from natural extracts to targeted biologic therapies* (Hall B)

Organizator / Organiser: Jasenka Mršić-Pelčić, Kristina Pilipović

- Jasna Križ: Ciljanje RNA-vezujućeg proteina SRSF3 i translacije mRNA obnavlja imunološki odgovor u ozlijeđenom mozgu /
Targeting RNA binding protein SRSF3 and mRNA translation restores immune response in injured brain
- Kristina Pilipović: Funkcionalizirane ugljikove nanocjevčice modificiraju funkciju astrocita i moduliraju profile egzosomalnih miRNA nakon in vitro traumatske ozljede mozga /
Functionalized carbon nanotubes modify astrocyte function and modulate exosomal miRNA profiles following in vitro traumatic brain injury
- Petra Dolenec: Psihoplastogeni kao novi modulatori neuroinflamacije /
Psychoplastogens as novel modulators of neuroinflammation
- Anja Harej Hrkać: Organoidi ljudskog mozga kao inovativan alat za istraživanje neuroinflamatornih putova i testiranje novih terapija kod neurodegenerativnih bolesti /
Human brain organoids as an innovative tool for exploring neuroinflammatory pathways and testing novel therapeutics in neurodegenerative diseases
- Iva Kristić: Modulacija neuroinflamacije inducirane lipopolisaharidom u mikroglijalnim stanicama BV2 pomoću reinosina /
Modulation of lipopolysaccharide-induced neuroinflammation in BV2 microglial cells by reynosin

17.00-17:30 Osvježenje (Prizemlje) /
Refreshments (Ground floor)

17.30-18.30 **Poster sekcija I s organiziranom diskusijom** (Prvi kat) /
Poster session I with organized discussion (First floor)

Posteri broj 1-16 / Posters number 1-16

18.30-19:30 Godišnja izborna skupština HDF-a (samo za HDF članove) (Dvorana A) /
Annual HDF Assembly (for HDF members only) (Hall A)

21.00-01.00 Kongresna večera (Sia Split Hotel) /
Congress dinner (Sia Split Hotel)

NEDJELJA 28. 9. 2025. / SUNDAY 28. 9. 2025.

09:00-9:45 **Plenarno predavanje P5 -EPHAR 2025 predavanje: Simon Maxwell:**
Pružanje učinkovite farmakološke edukacije: Razvoj od predavaonice do umjetne inteligencije (Velika dvorana) /
Plenary lecture P5 – EPHAR 2025 lecture: Simon Maxwell: *Delivering effective pharmacology education: Evolving from the lecture theatre to artificial intelligence* (Grand Hall)

9:45- 11.15 **Simpozij S12 - Edukacijski farmakološki simpozij** (Dvorana A) /
Symposium S12 - Education in pharmacology (Hall A)

Organizator / Organiser: Ivana Šutej

- Clare Guilding: Temeljni koncepti farmakološkog obrazovanja: Međunarodna suradnja /
Core concepts of pharmacology education: An international collaboration
- Lidija Bach-Rojecky: Izazovi u poučavanju temeljne farmakologije za studente farmacije /
Challenges in teaching basic pharmacology for pharmacology students
- Robert Likić: Umjetna inteligencija u kliničkoj farmakologiji: Od digitalnog asistenta do personaliziranog obrazovanja /
Artificial intelligence in clinical pharmacology: From digital assistant to personalized education
- Kristina Peroš, Krešimir Bašić: Podučavanje farmakologije u dentalnoj medicini: Vremena se mijenjaju /
Teaching pharmacology in dentistry: the times that are a-changin'

9:45- 11.15 **Simpozij S13 - Sponzorirani simpozij SIGMA1 EUROPE CA23156 COST akcije: Farmakologija sigma-1 receptora** (Dvorana B) /
Symposium S13 - SIGMA1 EUROPE COST CA23156 Action sponsored symposium: Pharmacology of sigma-1 receptors (Hall B)

Organizator / Organiser: Tangui Maurice

- Tangui Maurice: SIGMA-1EUROPE CA23156 COST akcija /
The SIGMA-1EUROPE CA23156 COST action

- Tangui Maurice: Amylovis-201, novi dvostruko ciljani ligand koji djeluje kao anti-amiloidogeni spoj i agonist $\sigma 1$ šaperonskog proteina je neuroprotektivan u mišjim modelima Alzheimerove bolesti /
Amylovis-201, a new dual-target ligand acting as an anti-amyloidogenic compound and agonist of the $\sigma 1$ chaperone protein, is neuroprotectant in Alzheimer's disease mouse models
- Srećko Gajović: Praćenje vremenski ovisnih oštećenja mozga i popravka nakon ishemijske ozljede u živih životinja kao alat za evaluaciju prekliničkih intervencija povezanih sa sigma-1 receptorima /
Monitoring time-dependent brain damage and repair after ischemic injury in living animals as tool for evaluation of sigma-1 receptor related preclinical interventions
- Urban Košak: Novi terapijski kandidat za Alzheimerovu bolest usmjeren na sigma-1, sigma-2 i 5-HT_{2A} receptore te butirilkolinesterazu /
A novel therapeutic candidate for Alzheimer's disease targeting sigma-1, sigma-2, and 5-HT_{2A} receptors and butyrylcholinesterase
- Celia Escriche: Otključavanje snage inhibicije topljive epoksidne hidrolaze i antagonizma sigma-1 receptora putem dvostrukog mehanizma analgetičkih spojeva /
Unlocking the power of inhibiting soluble epoxide hydrolase and sigma-1 receptor antagonism through dual mechanism analgesic compounds

11.15-11:45 Osvježenje (Prizemlje) /
Refreshments (Ground floor)

11.45-12.45 **Poster sekcija II s organiziranom diskusijom + studentska sekcija „HDF program popularizacije farmakologije u mladima“ (Prvi kat) /**
Poster session II with organized discussion + Students section “HDF youth programme for pharmacology popularization” (First floor)

Posteri broj 17-34 / Posters number 17-34

12:45-13.45 Dodjela nagrada najboljim posterima i zatvaranje kongresa (Velika dvorana) /
Best poster awards and closing ceremony (Grand Hall)
Zatvaranje kongresa uz vino i sir (Dvorana amfiteatra) /
Closing ceremony with wine and cheese (Amphitheatre Hall)

POSTER SEKCIJA I / POSTER SESSION I

SUBOTA, 27. RUJAN 2025. / SATURDAY, 27 SEPTEMBER 2025

1. PHARMACOGENOMICS OF ATORVASTATIN – THE ROLE ABCG2, CYP3A4, CYP3A5, AND SLCO1B1 VARIANTS

Karacic E, Palic J, Simicevic L, Bicanic LA, Vrkic-Kirhmajer M, Leskovar D, Pecin I, Mucalo I, Božina N, Trkulja V, Bozina T, Ganoci L.

2. SELECTIVE IMMUNOMODULATORY EFFECT OF EUCALYPTOL (1,8-CINEOLE) ON BV2 MICROGLIA

Jankovic T, Rajic Bumber J, Grzeta Krpan N, Pilipovic K.

3. EFFECTS OF ANTIDEPRESSANT FLUOXETINE IN THE PRESENCE OF INCREASED COPPER LEVELS

Jazvinscak Jembrek M, Zivkovic K, Maslac I, Sabljic K, Vlainic J, Curlin M, Kesic M, Stefulj J.

4. INTRANASAL INSULIN MODULATES INSULIN RECEPTOR SIGNALING IN THE RAT BRAIN: A REGION-, TIME-, AND DOSE-DEPENDENT ANALYSIS

Krsnik A, Osmanovic Barilar J, Vlahov L, Babic Perhoc A, Homolak J, Virag D1, Salkovic-Petrisic M, Knezovic A.

5. SIGNIFICANCE OF INTEGRATED OPTICAL CELLS DENSITY FOR EVALUATION OF PHARMACOTHERAPEUTIC RESPONSE TO MONOCISPLATIN IN LOCALLY ADVANCED CERVICAL CANCER

Krtinic D, Stokanovic G, Nedin Rankovic G, Conic I, Todorovic Mitic M, Radic M, Jovanovic H, Trajkovic H, Cekic M.

6. PGX PROFILE AND PATIENT-REPORTED OUTCOMES OF ANTIDEPRESSANT DRUG THERAPY - DATA FROM THE ARTIPRO PROJECT

Marinovic P, Ganoci L, Simicevic L, Radermacher J, Mihaljevic-Peles A, Zivkovic M, Bozina N, Stingl J.

7. NANOMATERIAL-MEDIATED MODULATION OF EXOSOMAL miRNAs IN ASTROCYTES: TOWARD NEW STRATEGIES FOR BRAIN TRAUMA TREATMENT

Rajic Bumber J, Grzeta Krpan N, Meznaric S, Harej Hrkac A, Dolenec P, Jankovic T, Parpura V, Pilipovic K.

8. NEUROPROTECTIVE EFFECTS OF DMT AGAINST 6-OHDA-INDUCED TOXICITY

Vranes M, Vlainic J, Simeon P, Jazvinscak Jembrek M.

9. CHOLINERGIC CONTROL OF MOTOR HYPERACTIVITY: INSIGHTS FROM A TETANUS NEUROTOXIN SPASTICITY MODEL

Meglic P, Sostaric Muzic P, Matak I.

10. THE ASSOCIATION BETWEEN THE CHANGE IN CARBAPENEMS USE IN A UNIVERSITY CLINICAL CENTRE AND COVID-19 PANDEMIA

Nedin Rankovic G, Stokanovic D, Krtinic D, Jovanovic H, Trajkovic H, Mitic R, Petrovic J, Velickovic Radovanovic R.

11. COMPARISON OF BLEEDING RISK BETWEEN RIVAROXABAN AND APIXABAN IN THE TREATMENT OF ATRIAL FIBRILLATION

Sliskovic AM, Palic J, Simicevic L, Ganoci L, Pasara V, Samardzic J, Bulum J, Lovric Bencic M, Bozina T.

12. WHEN CURCUMIN MEETS ROSUVASTATIN: PRECLINICAL INSIGHTS INTO NOVEL SYNERGISTIC APPROACH TO HYPERLIPIDEMIA

Pehlivanovic Kelle B, Kulo Cesic A, Kusturica J, Becic E, Lagumdžija D, Becic F.

13. COGNITIVE EFFECTS OF METHYLPHENIDATE IN A RAT MODEL OF SPORADIC ALZHEIMER'S DISEASE

Virag D, Homolak J, Babić Perhoc, Krsnik A, Knezovic A, Osmanovic Barilar J, Salkovic-Petrisic M.

14. CLOPIDOGREL CLEARANCE IN PATIENTS WITH ACUTE CORONARY SYNDROME – A POPULATION PHARMACOKINETIC ANALYSIS

Stokanovic D, Nedin Rankovic G, Krtinic D, Jovanovic H, Trajkovic H, Nikolic V.

15. DOSING OF RESERVE ANTIBIOTICS ACCORDING TO ESTIMATED GLOMERULAR FILTRATION IN PATIENTS WITH NORMAL AND REDUCED MUSCLE MASS

Mikulcic M, Trifunovic J, Medesi V.

16. PATIENT PERSPECTIVES ON THE THERAPEUTIC EFFECTS OF BOTULINUM TOXIN IN CERVICAL DYSTONIA

Relja M, Albanese, Dressler D, Morgante F, Tijessen MK, Trkulja V.

POSTER SEKCIJA II / POSTER SESSION II

NEDJELJA, 28. RUJAN 2025. / SUNDAY, 28 SEPTEMBER 2025

17. THE INFLUENCE OF ADAPTATION TO RED WINE CONSUMPTION ON FEEDING BEHAVIOR, BODY MASS, AND SURVIVAL FROM MYOCARDIAL INFARCTION IN RATS

Boban D, Tranfic Duplancic M, Boban Z, Mornar M, Grahovac M, Marijanovic Ukic A, Boban M, Grkovic I.

18. METABOLIC PROFILING OF MAJOR DEPRESSIVE DISORDER AND TREATMENT-RESISTANT DEPRESSION: UNTARGETED METABOLOMICS ANALYSIS OF PLASMA SAMPLES

Balic N, Tudor L, Milos T, Konjevod M, Kurtovic Kodzoman M, Videtic Paska A, Oblak A, Saje M, Bon J, Fabijanic T, Sagud M, Svob Strac D, Nikolac Perkovic M, Nedic Erjavec G.

19. DESIGN OF A NOVEL GlgE INHIBITOR VIA BIOISOSTERIC REPLACEMENT AND IN SILICO OPTIMIZATION OF AN EXPERIMENTALLY VALIDATED SCAFFOLD

Leskur D, Markovic A, Durdov T, Males I, Seselja Perisin A, Bukic J, Rusic D, Modun D.

20. THE IMPACT OF ORAL CONTRACEPTIVES ON SALIVARY COMPOSITION IN WOMEN: A SYSTEMATIC REVIEW

Smajli Vokshi K, Peros K.

21. VASOPRESSOR-INOTROPIC SUPPORT IN PATIENTS WITH SEPSIS AND ACUTE KIDNEY INJURY: RETROSPECTIVE COHORT STUDY

Bohmer MD, Schelling AF, Spaseska S, Stojanovic Stipic S, Benzon B, Mudnic I.

22. NEUROPROTECTIVE POTENTIAL OF A TAFAMIDIS-AMIDE PRODRUG: EFFECTS ON COGNITION AND BRAIN MOLECULAR CHANGES IN A MOUSE MODEL OF SPORADIC ALZHEIMER'S DISEASE

Branovic K, Homolak J, Virag D, Knezovic A, Osmanovic Barilar J, Salkovic-Petrisic M, Pavic K, Babic Perhoc A.

23. THE EFFECT OF OLIVE LEAF EXTRACT (OLEA EUROPAEA) ON INFLAMMATORY RESPONSES OF BV-2 MICROGLIAL CELLS INDUCED BY LIPOPOLYSACCHARIDE

Fabijancic L, Kristic I, Saftic Martinovic L, Pilipovic K.

24. STUDENTS' PROJECT OF PRECLINICAL DRUG DEVELOPMENT: NONPEPTIDE PAC1 ANTAGONIST AS NEW POTENTIAL TREATMENT FOR MEDICATION OVERUSE HEADACHE

Grudenic K, Jakopec A, Turkalj D, Bach-Rojecky L.

25. EFFECT OF HEATED TOBACCO PRODUCTS AND ELECTRONIC CIGARETTES ON SALIVARY FLOW RATE AND COMPOSITION IN COMPARISON TO CONVENTIONAL CIGARETTES

Hrupacki L, Jezidzic I, Peros K.

26. SMOKERS' VS. NON-SMOKERS' SALIVA: EFFECTS ON PLATELET-RICH PLASMA OPTICAL DENSITY

Ljubicic G, Lopic I, Spalj S, Rogic D, Vuletic L.

27. THE IMPACT OF TREATMENT BURDEN FROM INTRAVITREAL ANTI-VEGF INJECTIONS ON THERAPEUTIC OUTCOMES

Pelcic A, Caljkusic-Mance T, Pilipovic K.

28. KNOWLEDGE, ROLE AND RESPONSIBILITIES OF PHARMACISTS IN ASSISTING PROFESSIONAL ATHLETES TO PREVENT UNINTENTIONAL USE OF PROHIBITED SUBSTANCES

Petricevic M, Gujinovic D.

29. PHARMACOGENETIC INSIGHTS FOR OPTIMIZING DRUG THERAPY: IDENTIFYING AND MANAGING THERAPY PROBLEMS

Planinic K, Culjak M, Orehovacki H, Bicanić LA, Simicevic L, Brajkovic A, Mucalo I, Ganoci L.

30. INTRANASAL INSULIN RAPIDLY REACHES NASAL EPITHELIA WITHOUT ALTERING PERIPHERAL LEVELS IN FEMALE RATS

Saric M, Knezovic A, Krsnik A, Babic Perhoc A, Virag D, Homolak J, Osmanovic Barilar J.

31. ANTIBIOTIC THERAPY IN PATIENTS WITH SEPSIS AND ACUTE KIDNEY INJURY: RETROSPECTIVE COHORT STUDY

Schelling AF, Despot D, Pupic Marijan L, Stojanovic Stipic S, Mudnic I.

32. DISTRIBUTION OF BOTULINUM TOXIN TYPE A WITHIN THE TRIGEMINAL COMPLEX OF RAT FOLLOWING PERIPHERAL ADMINISTRATION

Varga J, Grdunac M, Nemanic D, Bach-Rojecky L.

33. INTRANASAL INSULIN ACUTELY MODULATES REDOX HOMEOSTASIS IN A REGION-SPECIFIC MANNER IN THE BRAIN AND NASAL EPITHELIA

Vlahov L, Knezovic A.

UPUTE ZA IZRADU POSTERA I IZLAGANJE /

INSTRUCTIONS FOR POSTER PREPARATION AND PRESENTATION

Veličina postera treba biti do 120 cm visine i do 90 cm širine. Tekst treba biti napisan na engleskom jeziku i sadržavati sljedeća poglavlja: Introduction, Materials and methods, Results, Conclusions, References. Datum i vrijeme izlaganja te broj postera navedeni su u programu. Broj postera nalazi se na vrhu panoa za izlaganje. Od prezentirajućeg autora se očekuje prisutnost uz poster tijekom vremena predviđenog za prezentaciju i raspravu. Nakon prezentacije svih postera (u trajanju 3 minute po posteru) i odgovora na pitanja, Stručno Povjerenstvo dodijelit će nagrade za najbolji poster iz temeljnih, kliničkih i ostalih znanosti, te zasebno najbolje nagrade za postere prijediplomskih studenata, na svečanoj dodijeli nagrada prije zatvaranja kongresa.

The poster size should be a maximum of 120 cm (height) x 90 cm (width). Text should be in English, and it should contain the following sections: Introduction, Materials and methods, Results, Conclusions, References. Please, check the programme for the date and time of your poster session. The poster number belonging to the corresponding abstract from the Book of Abstracts in electronic form is located at the top of the display board. The poster number will be posted at the top of the poster board. The presenting authors are expected to be present by their posters during the presentation and discussion periods. After the presentation of all posters (lasting 3 minutes per poster) and answers to questions, awards for the best poster in the field of basic, clinical and other sciences, as well as additional awards for the best posters by undergraduate students, selected by the Expert Committee, will be presented at the awards ceremony before the closing of the Congress.

Postavljanje postera / Poster mounting

Poster sekcija I / Poster session I:

27. rujna 2025. 08:00 – 09:00 / 27 September 2025, 08:00 – 09:00

Poster sekcija I / Poster session I:

28. rujna 2025. 08:00 – 09:00 / 28 September 2025, 08:00 – 09:00

Uklanjanje postera / Poster removal:

po završetku pojedine poster sekcije / at the end of the individual Poster sessions

Sav pribor i materijal potreban za postavljanje postera biti će osiguran / All accessories and material needed for poster mounting will be provided

USMENA IZLAGANJA / ORAL PRESENTATIONS

Predavači se ljubazno mole da u programu provjere datum i vrijeme svojih usmenih izlaganja. Predviđeno trajanje plenarnih predavanja s odgovorima na pitanja iznosi 45 minuta. Ukupno predviđeno trajanje simpozija s odgovorima na pitanja iznosi 90 minuta, dok se trajanje pojedinačnog predavanja unutar simpozija prilagođava broju predavača u dogovoru sa organizatorom simpozija. Ukupno predviđeno trajanje radionica s odgovorima na pitanja iznosi 60 ili 90 minuta. Predavačima je ponuđen predložak za pripremu prezentacije. Tehnička pomoć za korištenje računalne i audiovizualne opreme dostupna je tijekom svih dana kongresnih aktivnosti. Predavači se ljubazno mole da donesu svoje prezentacije najkasnije 30 minuta prije početka plenarnih predavanja, simpozija i radionica, te da se pridržavaju satnice programa.

Speakers are kindly requested to refer to the programme for the date and time of their oral presentations. The expected duration of plenary lectures with answers to questions is 45 minutes. The total expected duration of symposia with answers to questions is 90 minutes, while the duration of an individual lecture within the symposium should be adjusted to the number of speakers, in agreement with the symposium organizer. The total expected duration of the workshops with answers to questions is 60 or 90 minutes. Speakers are offered a template for preparing presentations. Technical assistance for computer and audiovisual equipment will be available for speakers at all times during the Congress. Speakers are kindly requested to bring their presentations at least 30 minutes before the start of plenary lectures, symposia and workshops and to adhere strictly to the programme timetable.