

ORGANIZATORI / ORGANIZERS:



Hrvatsko
drustvo
farmakologa
Croatian
Pharmacological
Society



HALMED

POKROVITELJ / HELD UNDER THE AUSPICES OF:



9. Hrvatski kongres farmakologije s međunarodnim sudjelovanjem

Zagreb, 25. – 28. rujna 2019.

*9th Croatian Congress of Pharmacology
with International Participation*

Zagreb, 25 – 28 September 2019

25 godina / years

članstva u IUPHAR-u
of IUPHAR membership

40 godina / years

Hrvatskog društva farmakologa
of Croatian Pharmacological Society

100 godina / years

Zavoda za farmakologiju Medicinskog fakulteta Sveučilišta u Zagrebu
of Department of Pharmacology, University of Zagreb School of Medicine

PROGRAM / PROGRAMME

ORGANIZATORI / ORGANIZERS:



HRVATSKO
DRUŠTVO
FARMAKOLOGA
CROATIAN
PHARMACOLOGICAL
SOCIETY



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DOBRODOŠLICA

Poštovane kolegice i kolege, dragi prijatelji, velika mi je čast i zadovoljstvo pozvati vas na 9. Hrvatski kongres farmakologije s međunarodnim sudjelovanjem koji će se održati u Zagrebu od 25. do 28. rujna 2019. godine.

Hrvatsko društvo farmakologa (HDF) tradicionalno organizira ovaj kongres svake tri godine. Ovogodišnji je kongres od posebnog značaja jer obilježava 40 godina osnutka Društva te 100 godina Zavoda za farmakologiju Medicinskog fakulteta u Zagrebu kao kolijevke koja je iznjedrila Društvo, a također i 25 godina članstva Društva u *International Union of Basic and Clinical Pharmacology (IUPHAR)*.

Kako bi ove obljetnice svečano proslavili, pozvali smo veći broj dugogodišnjih aktivnih članova Društva, predstavnika suradničkih fakulteta i ustanova iz Zagreba, Rijeke, Splita i Osijeka, da organiziraju simpozije i prikažu rezultate svojih aktualnih istraživanja, stoga je i program ovogodišnjeg Kongresa bogatiji no inače.

Više od 80 uglednih znanstvenika i stručnjaka različitih profila, među kojima i 18 iz drugih zemalja iznijet će najnovije znanstvene i stručne spoznaje u farmakologiji kroz plenarna predavanja, simpozije, okrugle stolove i radionice, a kroz 3 sponzorirana panela, novosti će predstaviti i farmaceutska industrija. Dva plenarna predavanja podržana su od strane međunarodne (*IUPHAR Lecture*) i europske (*EPHAR Lecture*) federacije farmakoloških društava.

Praćenju aktualnosti iz područja sigurnosti primjene novih lijekova, nuspojava već odobrenih lijekova kao i specifičnih tema iz područja regulative lijekova, svojim će se aktivnostima pridružiti i Agencija za lijekove i medicinske proizvode Republike Hrvatske (HALMED).

Kongresne poster sekcije namijenjene su za razmjenu ideja kako između iskusnih i mladih znanstvenika, tako i između istraživača u području temeljne i kliničke farmakologije te farmaceutske industrije.

O problemima prepoznavanja i priznavanja profila farmakologa kao zasebnog zanimanja u Hrvatskoj raspravlјat će se na Okruglom stolu kroz predstavljanje programa „Europski certificirani farmakolog“ (EuCP program).

Društvo je prije dvije godine započelo s programom popularizacije farmakologije među prijediplomskim studentima, kroz izradu kraćih, 6-mjesečnih istraživanja mentoriranih od strane članova Društva, čije će rezultate studenti po prvi puta izlagati na Kongresu, u zasebnom dijelu poster sekcije.

U izložbenom dijelu Kongresa, kroz promidžbene aktivnosti izлагаči će imati priliku upoznati sudionike s proizvodima od značaja za područje farmakologije i biomedicine.

Očekujemo da će raznolikost znanstvenih i stručnih tema privući liječnike različitih nekliničkih i kliničkih specijalnosti, farmaceute, stomatologe, veterinare, biokemičare i kemičare te ostale znanstvenike i stručnjake koji rade u području farmakologije, da se upoznaju s novostima u farmakologiji, dobiju ideje za svoja buduća istraživanja, uspostave nove suradnje, a dugoročno, sve u svrhu poboljšanja učinkovitosti, kvalitete i sigurnosti liječenja bolesnika. Također, vjerujemo da će studenti poslijediplomskih studija biomedicinskog područja svojim sudjelovanjem na kongresu pokazati kako farmakologija već jest jedno od glavnih područja njihove znanstvene značajke, a studenti diplomske studije kako bi farmakologija mogla biti njihov izbor u razmatranju budućeg zanimanja.

Veselimo se vašem dolasku

Melita Šalković-Petrišić
Predsjednica Kongresa

INVITATION

Dear colleagues and friends, it is my pleasure and honour to invite you to the 9th Croatian Congress of Pharmacology with International Participation, which will be held in Zagreb from 25 to 28 September 2019.

The Congress is traditionally organised by the Croatian Pharmacological Society (HDF) every three years. The special significance of the 2019 Congress lies with the fact that it will mark three anniversaries: 40 years since the founding of the Croatian Pharmacological Society, 100 years since the founding of the Zagreb School of Medicine Department of Pharmacology, which represents the core of the Society, and 25 years of the Society membership in the International Union of Basic and Clinical Pharmacology (IUPHAR).

To celebrate these anniversaries, this year we have prepared an especially rich Congress programme by inviting a larger number of long-standing active HDF members, representatives of the collaborating institutions and the Universities of Zagreb, Rijeka, Split and Osijek, to organise symposia. More than 60 respected scientists and experts of different profiles from Croatia as well as 18 from abroad will present the latest research results in their respective fields of pharmacology through plenary sessions, symposia and round tables, while breakthrough news in the pharmaceutical industry will be presented through three additional Congress activities. Two of the keynote speeches have been supported by the International (IUPHAR Lecture) and the European (EPHAR Lecture) Federation of Pharmacological Societies.

The Agency for Medicinal Products and Medical Devices of Croatia (HALMED) will present its activities in the field of safe use of new medicinal products, adverse drug reactions of the approved medicinal products, as well as specific issues of regulation of medicinal products.

The Congress poster sections will provide a forum for the exchange of ideas not just between experienced and young scientists, but also between researchers in the field of basic and clinical pharmacology on the one hand and representatives of the pharmaceutical industry on the other.

The problem of recognition of the pharmacological profile as an occupation in Croatia will be discussed at the Round table dedicated to the introduction of the "European Certified Pharmacologist" programme (EuCP).

In 2017, the HDF introduced a new programme to popularise pharmacology among undergraduate students in the biomedical field through the production of short 6-month research projects mentored by HDF members. On this occasion students will present the results of their projects for the first time, in a separate part of the Poster section.

Promotional activities of the exhibitors will serve to inform the participants about important new products in the field of pharmacology and biomedicine.

We sincerely hope that the variety of the Congress's scientific, professional and educational activities will be also joined by physicians of other non-clinical and clinical specialties, pharmacists, doctors of dental medicine, veterinarians, biochemists and chemists, as well as other scientists and professionals for whom pharmacology is relevant, in order to be introduced to novelties in pharmacology as well as to get ideas for their future research and establish new collaborations. In the long-term, all this will contribute to the benefit and improvement of effectiveness, quality and safety of patient treatment. We also believe that by their participation in our Congress, graduate students in biomedicine will get the opportunity to demonstrate that pharmacology already is their research interest, while undergraduate students will have the chance to discover that pharmacology might be the choice of their professional careers in future.

We are looking forward to meeting you at the Congress

Melita Šalković-Petrišić,
Congress President

ORGANIZATORI / ORGANISERS

ORGANIZATORI KONGRESA / CONGRESS ORGANISERS

Hrvatsko društvo farmakologa / Croatian Pharmacological Society

Medicinski fakultet Sveučilišta u Zagrebu / University of Zagreb School of Medicine

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

ORGANIZACIJSKI ODBOR / ORGANISING COMMITTEE

Predsjednica / President: Melita Šalković-Petrišić (Zagreb)

Članovi / Members: Gordana Župan (Rijeka), Lidija Bach-Rojecky (Zagreb), Darko Modun (Split), Suzana Matanović Mimica (Osijek), Ivana Šutej (Zagreb), Pero Draganić (Zagreb), Nela Pivac (Zagreb), Dubravka Švob Štrac (Zagreb)

MJESNI ORGANIZACIJSKI ODBOR / LOCAL ORGANISING COMMITTEE

Alenka Boban-Blagaić, Kristina Peroš, Robert Likić, Jelena Osmanović Barilar, Maja Lovrek Romčević, Ana Knezović, Ivica Matač, Ana Babić Perhoč, Ana Dugonjić Okroša, Domagoj Drmić, Krešimir Bašić, Jan Homolak

ZNANSTVENI ODBOR / SCIENTIFIC COMMITTEE

Predsjednik / President: Zdravko Lacković (Zagreb)

Članovi / Members: Juraj Geber (Zagreb), Vlasta Bradamante (Zagreb), Marijan Klarica (Zagreb), Kata Rošin-Grget (Zagreb), Mladen Boban (Split), Ante Tvrdeić (Zagreb), Vladimir Trkulja (Zagreb), Nada Božina (Zagreb), Jasenka Mršić-Pelčić (Rijeka), Darko Orešković (Zagreb), Dorotea Mück-Šeler (Zagreb), Siniša Tomić (Zagreb)

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

ZNANSTVENI PROGRAM / SCIENTIFIC PROGRAMME: Medicinski fakultet Sveučilišta u Zagrebu, Šalata 3 (glavna zgrada), Zagreb / University of Zagreb School of Medicine, Šalata 3 (main building), Zagreb



Registracija-registracijski ured / Registration desk: 1. međukat, Šalata 3 / 1st mezzanine, Šalata 3

Tehnička pomoć za korištenje kompjutorske i audiovizualne opreme: kompjutorska soba, 1. kat, Šalata 3 / Computer-assisted presentation and audio-visual equipment: Computer room, 1st floor, Šalata 3

Kongresne dvorane / Congress halls

- Dvorana Čačković, 1. i 2. kat, Šalata 3 / Čačković Hall, 1st and 2nd floor, Šalata 3
- Biološka dvorana, 1. kat (pristup stepeništem u stari dio zgrade), Šalata 3 / Biology hall (staircase to the old building), 1st floor, Šalata 3

Izlaganje postera / Poster display

Predvorje ispred Biološke dvorane, 1. kat (pristup stepeništem u stari dio zgrade), Šalata 3 / Biology hall lobby (staircase to the old building), 1st floor, Šalata 3

Izlaganje promotivnih materijala / Exhibition

Predvorje ispred dvorane Čačković, 1. kat, Šalata 3 / Čačković hall lobby, 1st floor, Šalata 3

Prostor za osvježenje u pauzama i ručak: predvorje na 2. katu, Šalata 3 /
Coffee and lunch break area: 2nd-floor lobby, Šalata 3

Kava i sokovi biti će dostupni tijekom trajanja kongresa 26. - 28. rujna, a ručak 26. – 27. rujna, u vrijeme naznačeno u programu. / Coffee and nonalcoholic drinks will be served during the Congress (26-28 September) and lunch on 26-27 September at the times indicated in the Programme.

DRUŠTVENI PROGRAM / SOCIAL PROGRAMME

Srijeda, 25. rujna 2019. 18:00 – 21:30 / Wednesday, 25 September 2019, 18:00 – 21:30

Svečano otvorenje kongresa i plenarno predavanje te prijam dobrodošlice / **Opening ceremony with Plenary lecture and Welcome reception:** Preporodna dvorana Narodnog doma, Hrvatska akademija znanosti i umjetnosti, Opatička 18 / National House Palace – Revival Hall, Croatian Academy of Sciences and Arts, Opatička 18

Petak, 27. rujna 2019. 20:00 / Friday, 27 September 2019, 20:00

Kongresna večera / Congress dinner: Restoran “Bon Appetit”, Heinzelova ul. 62 (6. kat) / Restaurant “Bon Appetit”, Heinzelova St. 62 (6th floor)

Subota, 28. rujna 2019. 13:00 – 14:00 / Friday, 28 September 2019, 13:00 – 14:00

Zatvaranje kongresa uz vino i sir / Closing ceremony with wine and cheese: Medicinski fakultet (Dvorana Čačković i predvorje 2. kata), Šalata 3 / School of Medicine (Čačković hall and 2nd-floor lobby) , Šalata 3

PRIJAVA ZA SUDJELOVANJE / REGISTRATION

PRIJAVA PRIJE POČETKA KONGRESA / CONGRESS PRE-REGISTRATION

Prijava putem obrasca na Kongresnoj mrežnoj stranici <http://hdf-pharma.mef.hr> / Online registration via Congress website <http://hdf-pharma.mef.hr/>

PRIJAVA NA KONGRESU / ON-SITE CONGRESS REGISTRATION

Prijava će biti moguća na registracijskom mjestu za vrijeme trajanja Kongresa / On-site registration at the Registration desk will be possible during the Congress

Radno vrijeme registracijskog ureda / Registration desk opening hours:

25. rujna 2019. 13:00 – 16:30 / 25 September 13:00 – 16:30

26. - 27. rujna 2019. 08:00 – 18:00 / 26-27 September 08:00 – 18:00

28. rujna 2019. 08:00 – 9:30 / 28 September 08:00 – 9:30

Znanstvenom i stručnom programu, izlaganjima te društvenim aktivnostima mogu prisustvovati samo registrirani sudionici. / Only registered participants may take part in the scientific sessions and attend social events offered by the Congress.

KOTIZACIJA / REGISTRATION FEES

	Do 15. srpnja 2019. /Before 15 July 2019	Nakon 15. srpnja 2019. /After 15 July 2019
Članovi Hrvatskog društva farmakologa (A) / Members of the Croatian Pharmacological Society (A)	1.100,00 kn	1.300,00 kn
Ostali sudionici (B) / Other participants (B)	1.400,00 kn	1.600,00 kn
Studenti diplomskog i doktorskog studija (C) / Undergraduate and PhD students (C)	400,00 kn	400,00 kn
Jednodnevne kotizacije (D) / One-day registration fee (D)	600,00 kn	600,00 kn
Jednodnevne kotizacije za studente diplomskog studija (E) / One-day registration fee for undergraduate studentse (E)	200,00 kn	200,00 kn
Osobe u pratnji (F) / Accompanying persons (F)	450,00 kn	500,00 kn

Pojedine kotizacije uključuju / Individual registration fee includes:

(A), (B), (C) – SVE KONGRESNE AKTIVNOSTI / (A), (B), (C) – ALL CONGRESS ACTIVITIES

- Sudjelovanje u znanstvenom/stručnom programu i promotivnim aktivnostima / Participation in the scientific/professional programme and promotional activities
- Knjigu sažetaka u elektroničkom obliku i tiskani kongresni materijal s kongresnom torbom / Book of abstracts (electronic form) and printed congress material in congress bag
- Potvrđnicu o sudjelovanju / Certificate of attendance
- Potvrđnicu s vrednovanjem pripadajuće stručne komore / Certificate of validation from appertaining professional chamber
- Prijam dobrodošlice / Reception
- Osvježenja i ručak za vrijeme stanki / Refreshments and lunch during breaks
- Kongresnu večeru / Congress dinner

(D, E) – JEDNODNEVNU KOTIZACIJU / (D, E) – ONE-DAY REGISTRATION FEE

- Sudjelovanje u znanstvenom/stručnom programu i promotivnim aktivnostima / Participation in the scientific/professional programme and promotional activities
- Knjigu sažetaka u elektroničkom obliku i tiskani kongresni materijal s kongresnom torbom / Book of abstracts (electronic form) and printed congress material in congress bag
- Potvrđnicu o sudjelovanju / Certificate of attendance
- Potvrđnicu s vrednovanjem pripadajuće stručne komore / Certificate of validation from appertaining professional chamber
- Osjećenja i ručak za vrijeme stanki / Refreshments and lunch during breaks

(F) – KOTIZACIJA ZA OSOBE U PRATNJI / (F) – ACCOMPANYING PERSON FEE:

- Prijam dobrodošlice / Reception
- Kongresnu večeru / Congress dinner

PLAĆANJE / PAYMENT

Kotizacija se plaća uplatom na dolje navedeni bankovni račun ili izravno prilikom registracije na Kongresu (isključivo gotovina u kunama). Molimo da se kod uplate kotizacije na bankovni račun navedu imena i prezimena osoba za koje se vrši uplata te da se kopija uplatnice s imenom i prezimenom sudionika pošalje na e-mail adresu **dsvob@irb.hr**. Ukoliko se uplaćuje za više sudionika odjednom, potvrdi je potrebno priložiti popis s imenima svih sudionika.

The registration fee is to be paid into the listed account number or directly at the time of registration at the Congress (cash in HRK currency only). If the payment is made via bank account, please do not forget to state the name(s) of the participant(s) for whom the payment is being made, and send a copy of the payment receipt stating the participant's name to the e-mail address **dsvob@irb.hr**. If payment is being made for more than one person, a list of all the participants' names should be enclosed with the payment receipt.

DETALJI RAČUNA / ACCOUNT DETAILS

Banka: Zagrebačka banka d.d.

/ Bank: Zagrebačka banka d.d.

Adresa: Trg bana Josipa Jelačića 10, 10 000 Zagreb, Hrvatska

/ Address: Trg bana Josipa Jelačića 10, 10 000 Zagreb, Croatia

Primatelj: Hrvatsko društvo farmakologa, Šalata 11, 10000 Zagreb, Hrvatska

/ Recipient: Hrvatsko društvo farmakologa, Šalata 11, 10000 Zagreb, Croatia

Opis plaćanja: Kotizacija za kongres – navesti ime i prezime sudionika!

/ Payment description: Congress registration fee – state participant name!

Broj žiro računa: HR362360000-1101541228

/ Giro account no: HR3623600001101541228

OTKAZIVANJE SUDJELOVANJA / CANCELLATION AND REFUNDATION

U slučaju otkazivanja sudjelovanja, uplaćena kotizacija bit će isplaćena tek nakon završetka Kongresa, u iznosu koji ovisi o datumu otkazivanja sudjelovanja i to do 31. kolovoza 2019. povrat u iznosu od 100%, od 1. do 15. rujna 2019. povrat u iznosu od 70%, a uključivo i nakon 16. rujna 2019. nema povrata uplaćene kotizacije.

In the case of a cancellation, the paid registration fee will be refunded after the closing of the Congress, depending on the date of cancellation, in the amount of 100% by 31 August 2019, and in the amount of 70% in the period from 1 to 15 September 2019. As of 16 September 2019, no refunds in case of cancellation will be possible.

KONTAKT / CONTACT

Za sve dodatne informacije u svezi s plaćanjem/povratom kotizacije molimo obratite se dr. sc. Neli Pivac (npivac@irb.hr) i dr. sc. Dubravki Švob Štrac (dsvob@irb.hr).

For all additional information regarding payments/registration fee refunds please contact Dr Nela Pivac (npivac@irb.hr) and Dr Dubravka Švob Štrac (dsvob@irb.hr).

USMENA IZLAGANJA / ORAL PRESENTATIONS

Predavači se ljubazno mole da u programu provjere vrijeme svojih usmenih izlaganja. Tehnička pomoć za pripremu predavanja i korištenje kompjutorske i audiovizualne opreme dostupna je tijekom svih dana kongresnih aktivnosti. Predavači se ljubazno mole da donesu svoje prezentacije u kompjutorsku sobu najkasnije 30 minuta prije početka plenarnih predavanja, simpozija, okruglih stolova i radionica, te da se pridržavaju satnice programa.

Please refer to the programme for your session date and time. Technical assistance will be available for speakers at all times during the Congress. Speakers are kindly requested to bring the presentations to the Computer room, at least 30 minutes before the start of plenary lectures and symposia sessions. Every effort must be made to keep strictly to the timetable of the scientific sessions.

UPUTE ZA IZRADU POSTERA I IZLAGANJA

/ 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. Sve potrebne obavijesti o izlaganju postera dostupne su u registracijskom uredu, a datum i vrijeme izlaganja te broj postera navedeni su u programu. Broj postera koji pripada odgovarajućem sažetku iz Zbornika sažetaka u elektroničkom obliku nalazi se na vrhu panoa za izlaganje. Od autora se očekuje prisutnost uz poster tijekom vremena predviđenog za prezentaciju i raspravu. 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.

Maximum poster size should be 120 x 90 cm. The text should be in English and contain the following sections: Introduction, Materials and methods, Results, Conclusions, References. Information concerning your poster can be obtained at the Registration desk. Please, check the programme for the presentation time of your session. The poster number corresponding to the author's abstract will already be posted at the top of the poster board. The authors are expected to be present by their posters during the presentation and discussion periods. An award 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:

- 26. – 28. rujna 2019. 08:00 – 09:00 / 26 – 28 September 2019, 08:00 – 09:00

UKLANJANJE POSTERA / POSTER REMOVAL:

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

OSTALE VAŽNE OBAVIJESTI / FURTHER IMPORTANT INFORMATION

SLUŽBENI JEZICI KONGRESA / OFFICIAL CONGRESS LANGUAGES

- Hrvatski i engleski / Croatian and English

SLUŽBENE OZNAKE / CONGRESS TAGS

Svi registrirani sudionici s plaćenom kotizacijom dobit će službene kongresne oznake koje su obvezni nositi na svim mjestima stručnog i društvenog programa Kongresa.

All registered participants who have paid the registration fee will be issued with official tags which they will be expected to wear during the professional and social programme of the Congress.

POTVRDNICA O SUDJELOVANJU / CERTIFICATE OF ATTENDANCE

Potvrdnica o sudjelovanju izdat će se na zahtjev samo registriranim sudionicima.

Only registered participants will be given a Certificate of attendance on request.

BODOVI STRUKOVNIH KOMORA / PROFESSIONAL CHAMBER POINTS

Temeljem Pravilnika o trajnom usavršavanju Hrvatske liječničke komore registrirano sudjelovanje liječnika na Kongresu vrednovat će se za aktivne sudionike (usmeno izlaganje ili poster) sa 16 bodova i s 11 bodova 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 s 4,5 bodova za aktivne sudionike (usmeno izlaganje ili poster) i s 3 boda za slušatelje.

Based on the Croatian Chamber of Physicians Regulations on Continuous Medical Education, registered participation of physicians at the Congress will obtain 16 points for active participation (oral presentation or poster) and 11 points for 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 4.5 points for active participation (oral presentation or poster) and 3.0 points for attendance.

PISMO POZIVA / LETTER OF INVITATION

Za dobivanje Pisma poziva Organizacijskog odbora za sudjelovanje na Kongresu, molimo uputiti zahtjev na e-mail adresu npivac@irb.hr.

To obtain a letter of invitation by the Congress Organising Committee, please send a request to the e-mail address npivac@irb.hr.

SMJEŠTAJ

/ ACCOMMODATION

U organizaciji Mjesnog organizacijskog odbora kongresa, sudionicima Kongresa ponuđen je smještaj u ograničenom broju soba u dva objekta:

1. **Škola narodnog zdravlja „Andrija Štampar“**, Rockefellerova 4, 10 000 Zagreb.

Cijena noćenja po osobi iznosi:

• Jednokrevetna soba	150,00 kn
• Dvokrevetna soba	100,00 kn/osobi
• Trokrevetni apartman	300,00 kn
• Četverokrevetni apartman	320,00 kn

2. **Hotel Dubrovnik**, Gajeva ulica 1, 10 000 Zagreb. Cijena noćenja po sobi s doručkom (uključivo i taksom) iznosi:

• Jednokrevetna soba	670,00 kn
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Zainteresirani sudionici mogu se obratiti na e-mail adresu **abblagaic@mef.hr** do 15. srpnja 2019.

The local Organising committee offers accommodation in a limited number of rooms at two objects:

1. **School of Public Health “Andrija Stampar”**, Rockefellerova 4, 10 000 Zagreb. The prices per person per night are as follows:

• Single room	150.00 kn
• Double room	100.00 kn/person
• Apartment for 3 persons	300.00 kn
• Apartment for 4 persons	320.00 kn

2. **Hotel Dubrovnik**, Gajeva 1, 10 000 Zagreb. The prices per room/night with breakfast (and tax) included are as follows:

• Single room	670.00 kn
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Participants who are interested in the above offer may contact the e-mail address **abblagaic@mef.hr** by 15 July 2019.

TOPICS / TOPICS

PLENARNA PREDAVANJA / PLENARY LECTURES

- Endokrini FGF: od temeljnih mehanizama do terapijskih mogućnosti
(IUPHAR Lecture) / Endocrine FGFs: from basic mechanisms to therapeutic opportunities *(IUPHAR Lecture)*
- Placebo i lijekovi: dijeljenje zajedničkog mehanizma djelovanja
(EPHAR Lecture) / Placebos and drugs: sharing common mechanisms of action *(EPHAR Lecture)*
- Inkretinski hormoni za neurodegenerativne bolesti / Incretin hormones for neurodegenerative diseases

SIMPOZIJI / SYMPOSIA

Simpozij / Symposium	Organizator / Organiser	Naziv / Title
S01	Marijan Klarica (Zagreb)	Simpozij „Marin Bulat“: Čimbenici koji određuju dinamiku molekula unutar kraniospinalnog sustava / Symposium “Marin Bulat”: Factors that determine the dynamics of molecules within the craniospinal system
S02	Ivana Šutej, Kristina Peroš, Stomatološki fakultet, Zagreb / School of Dental Medicine, Zagreb	Salivarni biomarkeri i dijagnostički potencijal sline / Salivary biomarkers and the diagnostic potential of saliva
S03	Suzana Matanović Mimica (Osijek), Hrvatsko društvo za kliničku farmakologiju i terapiju / Croatian society for clinical pharmacology and therapy	Aktualne teme iz područja kliničke farmakologije / Current topics in the field of clinical pharmacology
S04	Zdravko Lacković, Ivica Matak (Zagreb)	Neurogena upala i glavobolje / Neurogenic inflammation and headache
S05	Sponzorirani simpozij - Novartis / Sponsored symposium - Novartis	Srčano zatajenje / Heart failure
S06	Dinko Vitezić (Rijeka), Hrvatsko društvo za kliničku farmakologiju i terapiju / Croatian society for clinical pharmacology and therapy	Klinička farmakologija i farmakoeconomika / Clinical pharmacology and pharmacoeconomics
S07	Lidija Bach-Rojecky (Zagreb)	Središnji učinci botulinum toksina tipa A: pretklinički nalazi i njihovo značenje za kliničku praksu / Central effects of botulinum toxin type A: evidence from the laboratory and its clinical impact

Simpozij / Symposium	Organizator / Organiser	Naziv / Title
S08	Nada Božina (Zagreb), Vita Dolžan (Ljubljana)	Farmakogenomika <i>/ Pharmacogenomics</i>
S09	Martina Smolić (Osijek)	Svijet bez HCV do 2030: mit ili stvarnost? / World without HCV by 2030: myth or reality?
S10	Agencija za lijekove i medicinske proizvode Republike Hrvatske (HALMED) / Agency for Medicinal Products and Medical Devices of Croatia (HALMED)	Sigurnost lijekova <i>/ Safety of Medicinal Products</i>
S11	Gordana Župan, Kristina Pilipović (Rijeka)	Patofiziološke i farmakološke pretkliničke studije poremećaja i oštećenja središnjeg živčanog sustava / Pathophysiological and pharmacological preclinical studies of central nervous system disturbances and damage
S12	Melita Šalković-Petrišić, Jelena Osmanović Barilar (Zagreb)	Modeliranje neurodegenerativnih poremećaja i inzulinske rezistencije: terapijske mogućnosti / Modelling of neurodegenerative disorders and insulin resistance: therapeutic options
S13	Predrag Sikirić (Zagreb)	BPC 157 / BPC 157
S14	Nela Pivac, Dubravka Švob Štrac (Zagreb)	Teranostički pristup posttraumatskom stresnom poremećaju / Theranostic approach to PTSD
S15	Mladen Boban (Split)	Kardiometabolički učinci alkohola i vina / Cardiometabolic effects of alcohol and wine

OKRUGLI STOLOVI / ROUND TABLES

OS01 Sponzorirani Okrugli stol (MERCK SHARP & DOHME):

/ Sponsored Round table MERCK SHARP & DOHME:

Perspektiva liječnika i pacijenata u liječenju biološkom terapijom - sigurnost, ishodi liječenja i trošak zamjene terapije

Doctors' and patients' perspective in biologics treatment - safety, treatment outcomes and cost of therapy switching

OS02 Hrvatski program za EuCP kvalifikaciju:

/ Croatian programme for EuCP qualification:

Inflacija specijalističkih studija ili ključ za održanje struke u skladu s europskim standardima? Zamisao, prepreke i trenutno stanje / Inflation of specialist studies or key for maintaining a profession in accordance with European standards? Idea, obstacles and current state

Poseban gost – Mojca Kržan (Slovenija), predsjednica EPHAR-a

/ Special guest – Mojca Kržan (Slovenia), president of EPHAR

OS03 HALMED / HALMED:

Novosti na području regulative lijekova: pitanja i odgovori

/ New regulatory issues: questions and answers

RADIONICA / WORKSHOP

R01 HALMED / HALMED: Mjere minimizacije rizika / Risk minimisation measures (RMM)

POPULARNA PREDAVANJA / POPULAR LECTURES

PP01 Novi oblici znanstvenih prevara povezani s razvojem informacijskih tehnologija / New forms of scientific misconduct associated with advancement of information technologies

SPONZORIRANO PREDAVANJE / SPONSORED LECTURE

SP01 Roche

Personalizirana medicina - pravi put ka boljim ishodima

/ Personalized medicine – the right way to better outcomes

RASPORED KONGRESNIH AKTIVNOSTI

/ TIMETABLE OF CONGRESS ACTIVITIES

SRIJEDA, 25. RUJNA 2019. / 25 SEPTEMBER 2019 (WEDNESDAY)

Medicinski fakultet Sveučilišta u Zagrebu, Šalata 3

/ University of Zagreb School of Medicine, Šalata 3

13:00-16:30 Registracija / Registration

13:45-15:15 Simpoziji (S01/S02) / Symposia (S01/S02)

S01 SIMPOZIJ „MARIN BULAT“: ČIMBENICI KOJI ODREĐUJU DINAMIKU MOLEKULA UNUTAR KRANIOSPINALNOG SUSTAVA / FACTORS THAT DETERMINE THE DYNAMICS OF MOLECULES WITHIN THE CRANIOSPINAL SYSTEM

Marijan Klarica (Hrvatska / Croatia)

(DVORANA ČAČKOVIĆ / ČAČKOVIĆ HALL)

S01/1 Neuroradiološka dijagnostika poremećaja volumena i gibanja likvora / Neuroradiology of CSF volume and movement impairments - Radoš M, Strbacko I, Jurjević I, Orešković D, Klarica M (Hrvatska / Croatia)

S01/2 Raspodjela različitih molekula između intersticijske i cerebrospinalne tekućine / Distribution of different molecules between interstitial and cerebrospinal fluid - Klarica M, Radoš M, Orešković D (Hrvatska / Croatia)

S01/3 Revizija klasičnog koncepta sekrecije likvora iz koroidnog spleta / Revision of the classic concept of cerebrospinal fluid secretion by choroid plexus - Orešković D, Vukić M, Maraković J, Radoš M, Klarica M (Hrvatska / Croatia)

S01/4 Mehanizmi razvoja hidrocefalusa normalnog tlaka / Mechanisms of the normal pressure hydrocephalus development - Jurjević I (Hrvatska / Croatia)

S01/5 Jednosmjerna cirkulacija likvora ne postoji: opažanja pomoću MRI time-SLIP tehničke / There is no cerebrospinal bulk flow: MRI time-SLIP observation - Yamada S (Japan / Japan)

S02	SALIVARNI BIOMARKERI I DIJAGNOSČKITI POTENCIJAL SLINE / SALIVARY BIOMARKERS AND SALIVA DIAGNOSTIC POTENTIAL Ivana Šutej, Kristina Peroš (Stomatološki fakultet, Zagreb, Hrvatska / School of dental medicine, Zagreb, Croatia) (BIOLOŠKA DVORANA / BIOLOGY HALL)
	S02/1 Cirkulirajući biomarkeri i egzosomi u salivarnoj dijagnostici / Circulating biomarkers and exosomes for saliva diagnostics - Kegler U, Hofner M, Leutner M, Buhmann A, Scharkosi H, Pulverer W, Vierlinger K, Kautzky-Willer A, Noehammer C (Austrija / Austria)
	S02/2 Uloga sline u dijagozi temporomandibularnog zgloba / The role of saliva in the diagnosis of temporomandibular disorders - Alajbeg I (Hrvatska / Croatia)
	S02/3 Salivarni kalcij, magnezij i fosfat u odnosu na oralno i sistemsko zdravlje / Salivary levels of calcium, magnesium and phosphate in correlation with oral and systemic health - Peroš K (Hrvatska / Croatia)
	S02/4 Sлина i cijeljenje sluznice usta / Saliva and healing of oral mucosa - Vučetić L (Hrvatska / Croatia)
	S02/5 Salivarna dijagnostika danas i sutra – implementacija i pomoć u kliničkoj praksi / Salivary diagnostics today and tomorrow - implementation and help in clinical practice - Šutej I (Hrvatska / Croatia)
15:25-16:30	Sponzorirani Okrugli stol: MSD (OS01) (Sponsored Round table: MSD (OS01))
OS01	SPONZORIRANI OKRUGLI STOL - MERCK SHARP & DOHME: PERSPEKTIVA LIJEĆNIKA I PACIJENATA U LIJEĆENJU BIOLOŠKOM TERAPIJOM - SIGURNOST, ISHODI LIJEĆENJA I TROŠAK ZAMJENE TERAPIJE / SPONSORED ROUND TABLE MERCK SHARP & DOHME: DOCTORS AND PATIENTS PERSPECTIVE IN BIOLOGICS TREATMENT - SAFETY, TREATMENT OUTCOMES AND COST OF THERAPY SWITCHING Anić B, Merčep I (Hrvatska / Croatia) (DVORANA ČAČKOVIĆ / ČAČKOVIĆ HALL)

Hrvatska akademija znanosti i umjetnosti, Opatička 18

/ Croatian Academy of Sciences and Arts, Opatička 18, Zagreb

	Svečano otvorene kongresa / Opening ceremony
18:00-18:10	Uvodna riječ predsjednice Kongresa i Hrvatskog društva farmakologa (HDF): Melita Šalković-Petrišić / Introduction and inauguration of the President of the Congress and the Croatian Pharmacological Society (HDF): Melita Šalković-Petrišić
18:10-18:20	Pozdravni govor pokrovitelja Kongresa, Hrvatske akademije za znanost i umjetnost: Akademik Davor Miličić, potpredsjednik HAZU / Welcome addresses, Croatian Academy of Sciences and Arts: Davor Miličić, F.C.A., Vice-President HAZU
18:20-18:35	40 godina Hrvatskog društva farmakologa - monografija: Juraj Geber, prof. emer. / 40 years of the Croatian Pharmacological Society - monography: Juraj Geber, Prof. emer.
18:35-18:45	100 godina Zavoda za farmakologiju Medicinskog fakulteta u Zagrebu – jezgre HDF-a: Marijan Klarica, dekan / 100 years of the Zagreb School of Medicine Department of Pharmacology – core of the HDF: Marijan Klarica, Dean
18:45-18:55	Priznanja / Certificates of merit
18:55-19:05	Muzički intermezzo / Musical intermezzo
19:05-19:50	Plenarno predavanje – IUPHAR Lecture (P01) / Keynote speech – IUPHAR Lecture (P01)
P01	ENDOKRINI FGF: OD TEMELJNIH MEHANIZAMA DO TERAPIJSKIH MOGUĆNOSTI / ENDOCRINE FGFS: FROM BASIC MECHANISMS TO THERAPEUTIC OPPORTUNITIES Joseph Schlessinger (SAD / USA)
19:50–21:30	Prijam dobrodošlice / Welcome reception

ČETVRTAK, 26. RUJNA 2019. / 26 SEPTEMBER 2019 (THURSDAY)

Medicinski fakultet Sveučilišta u Zagrebu, Šalata 3

/ University of Zagreb School of Medicine, Šalata 3

08:00-18:00	Registracija / Registration
08:30-10:00	Simpoziji (S03/S04) / Symposia (S03/S04)
S03	AKTUALNE TEME IZ PODRUČJA KLINIČKE FARMAKOLOGIJE / CURRENT TOPICS IN THE FIELD OF CLINICAL PHARMACOLOGY

Suzana Mimica Matanović (Hrvatsko društvo za kliničku farmakologiju i terapiju / Croatian Society for Clinical Pharmacology and Therapy)

(BIOLOŠKA DVORANA / BIOLOGY HALL)

S03/1 Lijekovi koji utječu na životni stil - između dijagnoza i etičkih dilema/ Lifestyle drugs - between diagnoses and ethical dilemmas - Duborija-Kovačević N (Crna Gora / Monte Negro)

S03/2 Kako interpretirati rezultate kliničkih ispitivanja lijekova?/ How do we interpret results of clinical trials of medications? - Erdeljić Turk V (Hrvatska / Croatia)

S03/3 Onkološki lijekovi s novim mehanizmom djelovanja - klinički značaj/ Anticancer drugs with novel mechanism of action - clinical significance - Dedić Plavetić N (Hrvatska / Croatia)

S03/4 Bioslični lijekovi i ekstrapolacija indikacija/ Biosimilar drugs and extrapolation of indications - Mimica Matanović S (Hrvatska / Croatia)

S03/5 Ima li danas dilema oko antikoagulantne terapije? / Are there dilemmas about the anticoagulant therapy today? – Makar Aušperger K (Hrvatska / Croatia)

S04 NEUROGENA UPALA I GLAVOBOLJE / NEUROGENIC INFLAMMATION AND HEADACHE

Zdravko Lacković, Ivica Matak (Hrvatska / Croatia)
(DVORANA ČAČKOVIĆ / ČAČKOVIĆ HALL)

S04/1 Upalna signalizacija parenhima kao pokretač neurogene upale dure / Parenchymal inflammatory signaling as a driver of dural neurogenic inflammation - Dalkara T (Turska / Turkey)

S04/2 Akutni farmakološki tretman epizodne migrene: sistematski pregled / The acute pharmacological treatment of episodic migraine: A systematic review - Jerić M, Šurjan N, Jeličić Kadić A, Riva N, Puljak L (Hrvatska / Croatia)

S04/3 Neurogena upala dure uzrokovana putem boli: karakterizacija i analgetski profil / Pain-evoked neurogenic inflammation of the cranial dura in rodents: characterization and

analgesic profile - Filipović B, Matak I, Drinovac Vlah V, Bach-Rojecky L, Lacković Z (Hrvatska / Croatia)

S04/4 Rinosinusitisom izazvana neurogena upala i spontana bol u štakora: moguća veza sa sinusnom glavoboljom / Rhinosinusitis-induced neurogenic inflammation and spontaneous pain in rats: Is there a link with sinus headaches? -
Matak I, Lovrenčić L, Lacković Z (Hrvatska / Croatia)

S04/5 Sažetak simpozija: Mjesto neurogene upale u patofiziologiji glavobolja / Symposium summary: The place of neurogenic inflammation in the pathophysiology of headaches -
Lacković Z (Hrvatska / Croatia)

10:00-10:20 Osvježenje / Refreshments

10:20-11:20 Sponzorirani simpozij NOVARTIS (S05) / Sponsored symposium NOVARTIS (S05)

S05 SPONZORIRANI SIMPOZIJ - NOVARTIS: SRČANO ZATAJENJE / SPONSORED SYMPOSIUM - NOVARTIS: HEART FAILURE
(DVORANA ČAČKOVIĆ / ČAČKOVIĆ HALL)

S05/1 Sakubitril valsartan: znanstvena podloga / Sacubitril valsartan: the science behind - Shi V (SAD / USA)

S05/2 Srčano zatajenje: značenje podataka iz prakse / HF: Why real world data matter - Miličić D (Hrvatska / Croatia)

S05/3 Nedostaci terapije kod zatajenja srca s očuvanom ejekcijskom frakcijom / Unmet needs in HFpEF - Čikeš M (Hrvatska / Croatia)

11:20-11:40 Osvježenje / Refreshments

11:40-13:10 Simpoziji (S06/S07) / Symposia (S06/S07)

S06 KLINIČKA FARMAKOLOGIJA I FARMAKOEKONOMIKA / CLINICAL PHARMACOLOGY AND PHARMACOECONOMICS
Dinko Vitezić (Hrvatsko društvo za kliničku farmakologiju i terapiju / Croatian Society for Clinical Pharmacology and Therapy)
(BIOLOŠKA DVORANA / BIOLOGY HALL)

S06/1 Klinička farmakologija i farmakoeconomika - važnost u procjeni lijekova / Clinical pharmacology and pharmacoeconomics: The importance in drug assessment - Vitezić D (Hrvatska / Croatia)

S06/2 Farmakoekonomske analize u kliničkim ispitivanjima lijekova / Pharmacoconomic analyses in clinical trials - Erdeljić Turk V (Hrvatska / Croatia)

S06/3 Farmakoekonomika bioloških lijekova / Pharmacoeconomics of biological drugs - Merčep I, Mas P, Babić M (Hrvatska / Croatia)

S06/4 Farmakoekonomika na bolničkoj razini i doprinos kliničkog farmakologa / Pharmacoconomics on the hospital level and a clinical pharmacologist contribution - Knežević A (Hrvatska / Croatia)

S06/5 Mogućnosti primjene blockchain tehnologije u medicini i farmakoekonomici / Opportunities for use of blockchain technology in medicine and pharmacoeconomics - Likić R, Radanović I (Hrvatska / Croatia)

S07 SREDIŠNJI UČINCI BOTULINUM TOKSINA TIPE A: PRETKLINIČKI NALAZI I NJIHOVO ZNAČENJE ZA KLINIČKU PRAKSU / CENTRAL EFFECTS OF BOTULINUM TOXIN TYPE A: EVIDENCE FROM THE LABORATORY AND THEIR IMPACT ON CLINIC
Lidija Bach Rojecky (Hrvatska / Croatia)
(DVORANA ČAČKOVIĆ / ČAČKOVIĆ HALL)

S07/1 Nova saznanja o središnjim učincima BT-A / Update on central effects of BT-A - Bach-Rojecky L, Drinovac Vlah V, Matak I, Lacković Z (Hrvatska / Croatia)

S07/2 Predloženi mehanizmi djelovanja BT-A na patološku bol / Proposed mechanisms of BT-A action on pathological pain - Drinovac Vlah V, Bach-Rojecky L, Lacković Z (Hrvatska / Croatia)

S07/3 Utjecaj BT-A na kliničku praksu / BT-A its impact on clinical practice - Relja M (Hrvatska / Croatia)

S07/4 Novi rekombinantni botulinum toksin tipa A1 učinkovit je u životinjskim modelima akutne i kronične boli / A novel, recombinant botulinum neurotoxin type A1 shows efficacy in rodent models of acute and chronic pain - Perier C, Favre-Guilbard C, Fisher A, Taylor C, Kalinichev M (Francuska / France)

13:10-14:10 Ručak / Lunch

14:10-15:10	Poster sekcija s organiziranim diskusijom I / Poster session I with organised discussion
	Predsjedavajući / Chairmen: Jasenka Mršić-Pelčić, Vlasta Bradamante, Suzana Mimica Matanović, Dinko Vitežić
15:10-16:40	Simpoziji (S08/S09) / Symposia (S08/S09)
S08	FARMAKOGENOMIKA / PHARMACOGENOMICS
	Nada Božina (Hrvatska / Croatia), Vita Dolžan (Slovenija / Slovenia)
	(DVORANA ČAČKOVIĆ / ČAČKOVIĆ HALL)
	S08/1 Preventivno farmakogenetičko testiranje u Europi: Projekt U-PGX / Pre-emptive pharmacogenetic testing across Europe: The U-PGX project - Dolžan V, for Ubiquitous Pharmacogenomics Consortium (Slovenija / Slovenia)
	S08/2 Farmakogenomika i interakcije lijekova / Pharmacogenomics and drug interactions - Božina N (Hrvatska / Croatia)
	S08/3 Liječenje tiopurinskim lijekovima bolesnika s upalnim bolestima crijeva - predikcija temeljena na genotipu i fenotipu TPMT / Thiopurine therapy in patients with inflammatory bowel disease – TPMT genotype and phenotype-based predictions - Lovrić M (Hrvatska / Croatia)
	S08/4 Implementacija podataka o farmakogenomici u informacije o lijeku / Implementation of pharmacogenomic information in product information – Mirošević Skvrce N (Hrvatska / Croatia)
	S08/5 Farmakogenomika i digitalno zdravstvo / Pharmacogenomics and digital health - <u>Ravić M</u> , Potočanac Z (Hrvatska / Croatia)
S09	SVIJET BEZ HCV DO 2030: MIT ILI STVARNOST? / WORLD WITHOUT HCV BY 2030: MYTH OR REALITY?
	Martina Smolić (Hrvatska / Croatia) (BIOLOŠKA DVORANA / BIOLOGY HALL)
	S09/1 Nove spoznaje o patogenezi i liječenju hepatitisa C / Update on hepatitis C pathogenesis and treatment - <u>Wu GY</u> , Wu CH (SAD / USA)

S09/2 Interakcije direktnodjelujućih protuvirusnih lijekova za liječenje hepatitis C / Direct acting anti-HCV drugs: Drug-drug interactions - Erceg D (Hrvatska / Croatia)

S09/3 Učinci direktnodjelujućih protuvirusnih lijekova na endokrine manifestacije HCV infekcije / Effects of DAA treatment on endocrine manifestations of HCV infection - Bilić-Ćurčić I (Hrvatska / Croatia)

S09/4 Napredak u razvoju imunoprofilakse HCV-a / Progress towards HCV immune prophylaxis - Tabii A (Egipat / Egypt)

S09/5 Molekularne i kliničke osnove rezistencije direktnodjelujućih protuvirusnih lijekova za liječenje hepatitis C / Molecular and clinical bases of anti-HCV drug resistance - Smolić M, Wu GY (Hrvatska / Croatia)

16:40-17:00	Osvježenje / Refreshments
17:00-17:45	Plenarno predavanje – EPHAR Lecture (P02) / Plenary lecture – EPHAR Lecture (P02)
P02	PLACEBO I LIJEKOVI: DIJELJENJE ZAJEDNIČKOG MEHANIZMA DJELOVANJA / PLACEBOS AND DRUGS: SHARING COMMON MECHANISMS OF ACTION (EPHAR LECTURE) Fabrizio Benedetti (Italija / Italy) (DVORANA ČAČKOVIĆ / ČAČKOVIĆ HALL)
17:45-18:15	Godišnja izborna skupština HDF-a (samo za HDF članove) / Annual HDF Assembly (for HDF members only)

PETAK, 27. RUJNA 2019. / 27 SEPTEMBER 2019 (FRIDAY)

Medicinski fakultet Sveučilišta u Zagrebu, Šalata 3
/ University of Zagreb School of Medicine, Šalata 3

08:00-18:00	Registracija / Registration
08:30-10:00	Simpoziji (S10/S11) / Symposia (S10/S11)

S10	SIMPOZIJ AGENCIJE ZA LIJEKOVE I MEDICINSKE PROIZVODE REPUBLIKE HRVATSKE – (HALMED): SIGURNOST LIJEKOVA / SYMPOSIUM OF THE AGENCY FOR MEDICINAL PRODUCTS AND MEDICAL DEVICES OF CROATIA (HALMED): SAFETY OF MEDICINAL PRODUCTS
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Darko Krnić (Hrvatska / Croatia)
(BIOLOŠKA DVORANA / BIOLOGY HALL)

S10/1 Aktualni izazovi sigurne primjene lijekova – perspektiva PRAC-a / Current challenges of drug safety – PRAC perspective - Mirošević Skvrce N (Hrvatska / Croatia)

S10/2 (Ne)učinkovitost mjera minimizacije rizika / (In)effectiveness of risk minimisation measures - Margan Koletić Z (Hrvatska / Croatia)

S10/3 Farmakovigilancija u kontinuiranoj edukaciji zdravstvenih radnika / Pharmacovigilance as a part of continuous health workers education - Krnić D, Mirošević Skvrce N, Margan Koletić Z (Hrvatska / Croatia)

S11 PATOFIZIOLOŠKE I FARMAKOLOŠKE PRETKLINIČKE STUDIJE POREMEĆAJA I OŠTEĆENJA SREDIŠNJEG ŽIVČANOG SUSTAVA / PATHOPHYSIOLOGICAL AND PHARMACOLOGICAL PRECLINICAL STUDIES OF CENTRAL NERVOUS SYSTEM DISTURBANCES AND DAMAGE
Gordana Župan, Kristina Pilipović (Hrvatska / Croatia)
(DVORANA ČAČKOVIĆ / ČAČKOVIĆ HALL)

S11/1 Identifikacija molekula važnih za neuroregeneraciju korištenjem in vitro modela i proteomike / Identifying molecules important for neuroregeneration using in vitro models and proteomics - Mladinić Pejatović M, Ban J, Petrović A, Tomljanović I, Baričević Z (Hrvatska / Croatia)

S11/2 Traumatska ozljeda mozga: patofiziologija i neuroprotektivna terapija / Traumatic brain injury: Pathophysiology and neuroprotective therapy - Pilipović K, Dolenc P, Rajić Bumber J, Janković T, Gržeta N, Župan Z, Kriz J, Župan G (Hrvatska / Croatia)

S11/3 Multimodalna in vivo snimanja mišjeg mozga kao osnova pretkliničkih istraživanja liječenja moždanog udara / Multimodal in vivo imaging of mouse brain in preclinical studies of stroke therapies - Dobrivojević Radmilović M, Gorup D, Skokić S, Glasnović A, Josić P, Justić H, Barić A, Križ J, Gajović S (Hrvatska / Croatia)

	S11/4 Neuroprotekcija i liječenje akutnog ishemijskog udara / Neuroprotection and treatment of acute ischemic stroke - Mršić-Pelčić J (Hrvatska / Croatia)
10:00-10:20	Osvježenje / Refreshments
10:20-11:50	Radionica HALMED (R01) / Okrugli stol (OS02) / Workshop HALMED (R01) / Round table OS02
R01	RADIONICA AGENCIJE ZA LIJEKOVE I MEDICINSKE PROIZVODE REPUBLIKE HRVATSKE (HALMED): MJERE MINIMIZACIJE RIZIKA / WORKSHOP OF THE AGENCY FOR MEDICINAL PRODUCTS AND MEDICAL DEVICES OF CROATIA (HALMED): RISK MINIMISATION MEASURES (RMM) Nikica Mirošević Skvrce, Željana Margan Koletić, Darko Krnić (Hrvatska / Croatia) (BIOLOŠKA DVORANA / BIOLOGY HALL)
OS02	OKRUGLI STOL: HRVATSKI PROGRAM ZA EUCP KVALIFIKACIJU: INFLACIJA SPECIJALISTIČKIH STUDIJA ILI KLJUČ ZA ODRŽANJE STRUKE U SKLADU S EUROPSKIM STANDARDIMA? ZAMISAO, PREPREKE I TRENUOTNO STANJE, / POSEBAN GOST – MOJCA KRŽAN (SLOVENIJA), PREDSJEDNICA EPHAR-A / ROUND TABLE: CROATIAN PROGRAMME FOR EUCP QUALIFICATION: INFLATION OF SPECIALIST STUDIES OR KEY FOR MAINTAINING A PROFESSION IN ACCORDANCE WITH EUROPEAN STANDARDS? IDEA, OBSTACLES AND CURRENT STATE / SPECIAL GUEST – MOJCA KRŽAN (SLOVENIA), THE PRESIDENT OF EPHAR Vladimir Trkulja, Nada Čikeš (Hrvatska / Croatia) (DVORANA ČAČKOVIĆ / ČAČKOVIĆ HALL)
11:50-12:10	Osvježenje / Refreshments
12:10-12:55	Plenarno predavanje (P03) / Plenary Lecture (P03)
P03	INKRETINSKI HORMONI ZA NEURODEGENERATIVNE BOLESTI / INCRETIN HORMONES FOR NEURODEGENERATIVE DISEASES <u>Joergen Rungby</u> , Brian Della Vale (Danska / Denmark) (DVORANA ČAČKOVIĆ / ČAČKOVIĆ HALL)
12:55-13:55	Ručak / Lunch

13:55-14:55	Poster sekcija s organiziranim diskusijom I / Poster session I with organised discussion Predsjedavajući / Chairmen: Miranda Mladinić Pejatović, Dubravka Švob Štrac, Nada Božina, Suzana Mimica Matanović, Dinko Vitezić
14:55-16:25	Okrugli stol HALMED (OS03) / Simpozij (S12) / Round table HALMED (OS03) / Symposium (S12)
OS03	OKRUGLI STOL AGENCIJE ZA LIJEKOVE I MEDICINSKE PROIZVODE REPUBLIKE HRVATSKE (HALMED): NOVOSTI NA PODRUČJU REGULATIVE LIJEKOVA: PITANJA I ODGOVORI / ROUND TABLE OF THE AGENCY FOR MEDICINAL PRODUCTS AND MEDICAL DEVICES OF CROATIA (HALMED): NEW REGULATORY ISSUES: QUESTIONS AND ANSWERS Predstavnici HALMED-a i farmaceutske industrije / Representatives of HALMED and pharmaceutical industry: Maja Lovrek Romčević, Ana Borić Bilušić, Željka Davosir Klarić, Jasna Ikić Komesar, Adrijana Ilić Martinac, Vladimir Mihalic, Vesna Osrečki, Sabina Uzeirbegović, Sandra Koščak, Zrinka Srkoč (BIOLOŠKA DVORANA / BIOLOGY HALL)
S12	MODELIRANJE NEURODEGENERATIVNIH POREMEĆAJA I INZULINSKE REZISTENCIJE: TERAPIJSKE MOGUĆNOSTI / MODELLING OF NEURODEGENERATIVE DISORDERS AND INSULIN RESISTANCE: THERAPEUTIC OPTIONS Melita Šalković Petrišić, <u>Jelena Osmanović-Barilar</u> (Hrvatska / Croatia) (DVORANA ČAČKOVIĆ / ČAČKOVIĆ HALL) S12/1 Učinci liraglutida i oralne galaktoze u štakorskom modelu sporadične Alzheimerove bolesti / The effects of liraglutide and oral galactose in a rat model of sporadic Alzheimer's disease - Osmanović-Barilar J, Knezović A, Babić Perhoč A, Homolak J, Hosch MJ, Bielowski A, Schmitt-Böhrer AG, Riederer P, Šalković-Petrišić M (Hrvatska / Croatia)
	S12/2 Metaboličko profiliranje i primjena oralne galaktoze u transgeničnom TG2576 mišjem modelu Alzheimerove bolesti / Metabolic profiling and oral galactose treatment in

trangenic TG2576 mouse model of Alzheimer's disease - Knežović
A, Babić Perhoč A, Osmanović Barilar J, Homolak J, Farkaš V, Bagarić R, Grünblatt E, Šalković-Petrišić M (Hrvatska / Croatia)

S12/3 Gubitak tolerancije u neurodegeneraciji: koliko je koristan metformin? / Loss of tolerance in neurodegeneration: How useful is metformin? - Fitzgerald JC (Njemačka / Germany)

S12/4 Geni povezani s dijabetesom i motorno-bihevioralni fenotipovi: lekcije iz mišjih i staničnih modela / Diabetes-related genes and motor-behavioural phenotypes: Lessons from mouse and cellular models - Formisano P (Italija / Italy)

16:25-16:45 Osvježenje / Refreshments

16:45-18:15 Simpoziji (S13/S14) / Symposia (S13/S14)

S13 BPC 157 / BPC 157

Predrag Sikirić (Hrvatska / Croatia)
(DVORANA ČAČKOVIĆ / ČAČKOVIĆ HALL)

S13/1 BPC 157: prošlost, sadašnjost, budućnost / Summary of BPC 157 story: past, present, future - Sikirić P (Hrvatska / Croatia)

S13/2 Patologija i molekularni pogled: prošlost, sadašnjost, budućnost / Pathology and molecular view: past, present, future - Seiwerth S (Hrvatska / Croatia)

S13/3 Perspektive BPC 157 perspektive / BPC 157 perspectives - Hahm KB (Koreja / Korea)

S13/4 BPC 157 i kardiologija / BPC 157 and cardiology - Lovrić Benčić M (Hrvatska / Croatia)

S13/5 BPC 157 i kirurgija / BPC 157 and surgery - Sever M (Hrvatska / Croatia)

S14 TERANOSTIČKI PRISTUP POSTTRAUMATSKOM STRESNOM POREMEĆAJU / THERANOSTIC APPROACH TO PTSD

Nela Pivac, Dubravka Švob Štrac (Hrvatska / Croatia)
(BIOLOŠKA DVORANA / BIOLOGY HALL)

S14/1 Uvodna riječ: teranostički pristup PTSP-u /
Introduction: Theranostic approach to PTSD - Pivac N (Hrvatska / Croatia)

S14/2 Translacijski ciljevi za razvoj farmakoterapije u PTSP-u /
Translational targets for the development of PTSD pharmacotherapies - Norrholm SD, Zuj DV, Jovanović T (SAD / USA)

S14/3 Neuroslikovni biomarkeri za PTSP /
Neuroimaging biomarkers for PTSD - Jovanović T, Stevens JS, van Rooij SJH (SAD / USA)

S14/4 Metabolomika u PTSP-u: uvod i preliminarni nalazi /
Metabolomics in PTSD: Introduction and preliminary findings - Nedić Erjavec G, Nikolac Perković M, Konjevod M, Švob Štrac D, Tudor L, Uzun S, Kozumplik O, Barbas Arribas C, Žarković N, Pivac N (Hrvatska / Croatia)

S14/5 Glikomika u PTSP-u /
Glycomics in PTSD - Švob Štrac D, Tudor L, Nikolac Perković M, Nedić Erjavec G, Konjevod M, Uzun S, Kozumplik O, Lauc G, Pivac N (Hrvatska / Croatia)

20.00 Kongresna večera / Congress dinner

SUBOTA, 28. RUJNA 2019. / 28 SEPTEMBER 2019 (SATURDAY)

Medicinski fakultet Sveučilišta u Zagrebu, Šalata 3

/ University of Zagreb School of Medicine, Šalata 3

08:30-09:30 Registracija / Registration

09:00-09:30 Popularno predavanje (PP01) / Popular lecture (PP01)

PP1 NOVI OBLCI ZNANSTVENIH PREVARA POVEZANI S RAZVOJEM INFORMACIJSKIH TEHNOLOGIJA / NEW FORMS OF SCIENTIFIC MISCONDUCT ASSOCIATED WITH ADVANCEMENT OF INFORMATION TECHNOLOGIES

Jelka Petrak, Zdravko Lacković (Hrvatska / Croatia)
(DVORANA ČAČKOVIĆ / ČAČKOVIĆ HALL)

09:30-10:15 Sponzorirano predavanje - Roche (SP01) / Sponsored lecture - Roche (SP01)

SP01	SPOZORIRANO PREDAVANJE – ROCHE: PERSONALIZIRANA MEDICINA – PRAVI PUT KA BOLJIM ISHODIMA / SPONSORED LECTURE – ROCHE: PERSONALIZED MEDICINE – THE RIGHT WAY TO BETTER OUTCOMES
	Iveta Merčep (Hrvatska / Croatia) (DVORANA ČAČKOVIĆ / ČAČKOVIĆ HALL)
10:15-11:15	Poster sekcija s organiziranom diskusijom III / Poster section III with organised discussion III
	Predsjedavajući / Chairmen: Darko Orešković, Tanja Jovanović, Ante Tvrdeić, Robert Likić
10:15-11:15	Osvježenje / Refreshments
11:15-12:45	Simpozij (S15) / Symposium (S15)
S15	KARDIOMETABOLIČKI UČINCI ALKOHOLA I VINA / CARDIOMETABOLIC EFFECTS OF ALCOHOL AND WINE
	Mladen Boban (Hrvatska / Croatia) (DVORANA ČAČKOVIĆ / ČAČKOVIĆ HALL)
	S15/1 Mehanizmi antioksidacijskih i protuupalnih učinaka vina / Mechanisms of antioxidant and anti-inflammatory effects of wine - Boban M (Hrvatska / Croatia)
	S15/2 Konzumiranje bijelog vina i oporavak srca nakon infarkta: miokardijalna perspektiva / Consumption of white wine and cardiac repair following infarction: myocardial perspective - Grković I (Hrvatska / Croatia)
	S15/3 Učinci konzumiranja vina na hemodinamiku i napetost arterija / The effects of wine consumption on hemodynamics and arterial stiffness - Mudnić I (Hrvatska / Croatia)
	S15/4 Vino i pretilost: životinjski model / Wine and obesity: animal model - Milat AM, Mudnić I, Grković I, Ključević N, Grga M, Jerčić I, Jurić D, Ivanković D, Benzon B, Boban M (Hrvatska / Croatia)
12:45-13:00	Nagrade najboljim posterima / Best poster awards
13:00-14:00	Zatvaranje kongresa uz vino i sir / Closing ceremony with wine and cheese

POSTER SEKCIJE / POSTER SECTIONS

ČETVRTAK, 26. RUJNA 2019. / 26 SEPTEMBER 2019 (THURSDAY)

POSTER SEKCIJA I – Klinička farmakologija 1

/ POSTER SECTION I – Clinical pharmacology 1

Voditelj / Chairman: Jasenka Mršić Pelčić

PI-C1-1 THE ROLE OF PHARMACOGENETICS IN PRECISION MEDICINE:
REINTRODUCTION OF ANTICOAGULANT THERAPY FOLLOWING
INTRACRANIAL HEMORRHAGE - Vrkić Kirhmajer M, Šimičević L, Ganoci L,
Cohen Herak D, Božina T, Božina N

PI-C1-2 PHARMACOGENOMICS OF IMMUNOSUPPRESSIVE DRUGS - Borić
Bilušić A, Nađ-Škegro S, Klarica Domjanović I, Penezić L, Karmela Barišić,
Božina N

PI-C1-3 CORRELATION BETWEEN POLYMORPHISM OF ABCG2, ABCB1
AND SLCO1B1 GENES AND SIDE EFFECTS OF ROSUVASTATIN - Radman J,
Šimić I, Šimičević L, Božina T, Ganoci L, Božina N

PI-C1-4 PHARMACOGENETICS OF LONG ACTING RISPERIDONE - THE
PREDICTIVE ROLE OF ABCB1, ABCG2, CYP2D6, CYP3A4, AND CYP3A5
POLYMORPHISMS - Ganoci L, Živković M, Trkulja V, Šagud M, Lovrić M,
Božina N

PI-C1-5 WHAT TO GENOTYPE TO PREDICT FLUOROPYRIMIDINES TOXICITY
– POSSIBLE ROLE OF DPYD c.496A>G VARIANT - Šimičević L, Ganoci L,
Božina T, Goršić I, Golem H, Božina N

PI-C1-6 GENETIC AND GLYCOMIC INTERACTIONS IN POSTTRAUMATIC
STRESS DISORDER - Tudor L, Nikolic Perković M, Nedić Erjavec G, Švob
Štrac D, Konjevod M, Uzun S, Kozumplik O, Pivac N

PI-C1-7 THE ACCURACY OF SELF-PERCIEVED BREAST CANCER (BC)
RISK ASSESSMENT DOES NOT AFFECT ATTITUDES TOWARDS BC
CHEMOPREVENTION - Bojanic K, Grgić K, Šarčević F, Malenica L, Kralik K,
Bilić Čurčić I, Smolić R, Smolić M

PI-C1-8 RATES OF CYP3A4, CYP3A5 AND UGT1A4 SINGLE NUCLEOTIDE
POLYMORPHISMS IN CROATIAN BREAST CANCER PATIENTS AND ITS
LINKAGE TO ANASTROZOLE INDUCED CHANGES OF BONE MINERAL
DENSITY - Bojanic K, Kuna L, Bilić Čurčić I, Wagner J, Smolić R, Kralik K,
Kizivat T, Včev A, Wu GY, Smolić M

POSTER SEKCIJA I – Klinička farmakologija 2

/ **POSTER SECTION I – Clinical pharmacology 2**

Voditelj / Chairman: Vlasta Bradamante

PI-C2-1 ALTERED PHOSPHATIDYLCHOLINE LEVELS IN PTSD - Konjevod M, Nikolac Perković M, Nedić Erjavec G, Švob Štrac D, Tudor L, Žarković N, Uzun S, Kozumplik O, Saiz J, Barbas C, Pivac N

PI-C2-2 MELATONIN AND SLEEP QUALITY IN PATIENTS WITH ORAL CANCER - Salarić I, Lovrić J, Karmelić I, Baždarić K, Rožman M, Brajdić D, Zajic I, Macan D

PI-C2-3 BISPHOSPHONATE-RELATED OSTEONECROSIS OF THE JAW – CASE REPORT - Bašić K, Šutej I, Peroš K, Brajdić D

PI-C2-4 THE ASSOCIATION OF SALIVARY PARAMETERS WITH THE SEVERITY OF OBSTRUCTIVE SLEEP APNEA - Tranfic M, Peroš K, Pavlinac Dodig I, Lušić Kalcina L, Valić M, Pecotić R, Đogaš Z

PI-C2-5 EFFECTS OF TOPICAL HYPERICUM PERFORATUM TREATMENT ON WOUND HEALING IN CHEMICAL AND MECHANICAL SKIN DAMAGE MODELS - Leskur D, Perišić I, Romac K, Šušak H, Bukić J, Rusić D, Šešelja Perišin A, Modun D

PI-C2-6 INCIDENCE OF POSITIVE RESULTS OF HYPERSENSITIVITY TESTING TO LOCAL ANESTHETICS – SINGLE CENTRE EXPERIENCE - Čegec I, Erdeljić Turk V, Kraljičković I, Makar Aušperger K, Radačić Aumiler M, Merčep I

PI-C2-7 SAFETY OF ANTIDEPRESSANTS DURING PREGNANCY - Čagalj Z, Likić R

PI-C2-8 DILEMMAS IN THE USE OF NEW ORAL ANTICOAGULANTS - Makar-Aušperger K, Erdeljić Turk V, Radačić Aumiler M, Čegec I, Kraljičković I, Merčep I

POSTER SEKCIJA I – Ostale teme 1

/ **POSTER SECTION I – Other topics 1**

Voditelji / Chairmen: Dinko Vitezić, Suzana Mimica Matanović

PI-01-1 COMPARISON OF BIOSIMILAR SOMATROPIN UTILIZATION IN 2018 IN CROATIA WITH REGARDS TO OTHER EUROPEAN COUNTRIES - Kraljičković I, Rkman D, Rudež KD, Radanović I, Babić M, Merčep I, Likić R

PI-01-2 COMPARISON OF BIOSIMILAR FILGRASTIM UTILIZATION IN 2018 IN CROATIA WITH REGARDS TO OTHER EUROPEAN COUNTRIES - Radačić
Aumiller M, Likić R, Rkman D, Rudež KD, Radanović I, Erdeljić Turk V, Makar Aušperger K, Čegec I, Kraljičković I, Merčep I

PI-01-3 ARE PHARMACOLOGICAL INTERVENTIONS COMPLETELY DESCRIBED IN CLINICAL TRIALS ON DRUG-DRUG INTERACTION FROM CLINICALTRIALS.GOV? - Jurić D, Bolić A, Pranić S, Marušić A

PI-01-4 ACCORDANCE OF REGISTERED DRUG PACKS WITH HELICOBACTER PYLORI TREATMENT REGIMENS - Rusić D, Jukić I, Bukić J, Leskur D, Šešelja Perišin A, Modun D

PI-01-5 EVALUATION OF TEACHING QUALITY OF THE FULLY ONLINE COURSE ON RATIONAL PRESCRIBING AIMED AT FINAL YEAR STUDENTS OF THE UNIVERSITY OF ZAGREB SCHOOL OF MEDICINE - Rudež KD, Rkman D, Radanović I, Engleberg C, Cinti S, Chapman C, Likić R

PI-01-6 PHARMACOVIGILANCE KNOWLEDGE AND ATTITUDES: A SURVEY AMONG FINAL YEAR MEDICAL STUDENTS - Radanović I, Rkman D, Rudež KD, Gvozdanović K, Likić R

PETAK, 27. RUJNA 2019. / 27 SEPTEMBER 2019 (FRIDAY)

POSTER SEKCIJA II – Temeljna farmakologija 1

/ POSTER SECTION II – Basic pharmacology 1

Voditelj / Chairman: Miranda Mladinić-Pejatović

PII-B1-1 EFFECTS OF VGLUT3 POSITIVE CELLS OF THE MEDIAN RAPHE REGION ON SOCIAL BEHAVIOUR - Fazekas CL, Torok B, Szollosy-Csoma B, Horvath HR, Bellardie M, Sipos E, Zelena D

PII-B1-2 THE ROLE OF THE DOPAMINERGIC CELLS IN THE MEDIAN RAPHE IN THE BEHAVIOR OF THE MALE MICE - Chaves T

PII-B1-3 COGNITIVE AND DEPRESSIVE-LIKE SYMPTOMS IN TRIPLE TRANSGENIC MOUSE MODEL OF ALZHEIMER'S DISEASE - Varkonyi D, Sipos E, Zelena D

PII-B1-4 ACUTE CHANGES OF ACETHYLCHOLINESTERASE ACTIVITY AND TAU PROTEIN PHOSPHORYLATION IN RAT MODEL OF SPORADIC ALZHEIMER'S DISEASE - Lončar A, Knezović A, Šalković-Petrišić M

PII-B1-5 TIME RESPONSE OF ORAL GALACTOSE ON METABOLIC EFFECTS IN COGNITIVELY NORMAL RATS - Babić Perhoč A, Homolak J, Knezović A, Osmanović Barilar J, Šalković-Petrišić M

PII-B1-6 ACUTE ORAL GALACTOSE TREATMENT DECREASES OXIDATIVE STRESS IN RAT BRAIN AND PLASMA IN TIME-DEPENDENT MANNER - Homolak J, Babić Perhoč, Knezović A, Osmanović Barilar J, Šalković-Petrišić M

PII-B1-7 DIFFERENCES AMONG SUBLINES OF WZ-5HT RATS IN THE EMERGENCE TEST, AUTOGROOMING AND REARING BEHAVIOUR DURING THE OPEN FIELD TEST - Tvrdeić A, Poljak LJ, Miše B, Pavić J, Kesic M, Čičin-Šain L

PII-B1-8 BILIRUBIN IN LOW CONCENTRATIONS PROTECTS ASTROCYTES FROM CELL DEATH - Ziberna L, Šimenc J, Lipnik-Štangelj M

PII-B1-9 THE POSSIBILITY FOR DEVELOPMENT OF NON-TRANSGENIC RAT TAUOPATHY MODEL BY APPLICATION OF TAU OLIGOMERS INTO THE ENTORHINAL CORTEX - Langer Horvat L, Spanić E, Šimić G

PII-B1-10 EXPRESSION OF ACTIVATED MICROGLIA CELLS MARKERS IBA1, CD68 AND HLA-DR IN THE HIPPOCAMPAL FORMATION OF PATIENTS WITH ALZHEIMER'S DISEASE - Spanić E, Ilić K, Babić Leko M, Langer Horvat L, Šimić G

POSTER SEKCIJA II – Temeljna farmakologija 2

/ POSTER SECTION II – Basic pharmacology 2

Voditelj / Chairman: Dubravka Švob Štrac

PII-B2-1 LOCALISATION OF BOTULINUM TOXIN TYPE A IN SENSORY AND MOTOR REGIONS OF THE BRAIN AFTER INTRA-TMJ INJECTIONS IN RATS - Munoz Lora VR, Matak I, Lackovic Z

PII-B2-2 ANTINOCICEPTEFFECT OF BOTULINUM TOXIN TYPE A IN CARRAGEENAN - INDUCED ARTHRITIS IN RATS - Dugonjić Okroša A, Munoz Lora VR, Bach-Rojecky L, Lacković Z

PII-B2-3 MICROGLIA POLARISATION IN THE RAT THALAMUS AND CEREBELLUM AFTER TRAUMATIC BRAIN INJURY - Dolenec P, Pilipović K, Župan Z, Župan G

PII-B2-4 SINGLE MODERATE TRAUMATIC BRAIN INJURY IN MICE CAUSES MISSLOCALIZATION AND PHOSPHORYLATION OF TRANSMISSION RESPONSE BINDING PROTEIN 43 IN THE PARIETAL CORTEX - Janković T, Dolenec P, Gržeta N, Križ J, Župan G, Pilipović K

PII-B2-5 TDP-43 EXPRESSION IN THE SPINAL CORD AND MOTOR ABILITY SIX MONTHS AFTER REPETITIVE TRAUMATIC BRAIN INJURY IN MICE -
Rajić Bumber J, Pilipović K, Gržeta N, Dolenc P, Janković T, Križ J, Župan G

PII-B2-6 THE EFFECTS OF ROSUVASTATIN, SIMVASTATIN AND FENOFIBRATE ON BRAIN SUPEROXIDE DISMUTASE ACTIVITY IN RATS -
Vukšić A, Lovrić J, Žunec S, Rašić D, Konjevoda P, Bilušić P, Bradamante V

PII-B2-7 THE NEUROPROTECTIVE EFFECT OF HYPNOTIC ZOLPIDEM AGAINST GLUTAMATE-INDUCED APOPTOTIC DEATH IS MEDIATED VIA THE PI3K/AKT SIGNALLING PATHWAY -
Vlaić J, Radovanović V, Hanžić N, Vuković L, Jazvičak Jembrek M

PII-B2-8 EFFECTS OF COFFEE ON DEVELOPMENT OF OXIDATIVE STRESS AND CRYSTALLIZATION IN VITRO MODEL OF OXALATE UROLITHIASIS -
Kizivat T*, Ninčević V*, Cindrić A, Omanović Kolarić T, Kuna L, Smolić R, Bilić Čurčić I, Smolić M

PII-B2-9 SPLIT LUCIFERASE NANOLUC AS A REPORTER FOR THE DETECTION OF HUMAN TAU PROTEIN OLIGOMERIZATION -
Zubčić K, Šimić G, Boban M

POSTER SEKCIJA II – Temeljna farmakologija 3

/ POSTER SECTION II – Basic pharmacology 3

Voditelj / Chairman: Nada Božina

PII-B3-1 ANTIOXIDATIVE PROPERTIES OF HYDOLATES AND THEIR POTENTIALLY PROTECTIVE EFFECT ON LIPID PEROXIDATION -
Šeselja Perišin A, Bota I, Čosić E, Bukić J, Rušić D, Leskurić D, Modun D

PII-B3-2 ASSESSMENT OF HEPATOSTEATOGENIC EFFECTS IN CELL CULTURE MODEL OF DRUG INDUCED FATTY LIVER DISEASE -
Omanović Kolarić T, Ninčević V, Kuna L, Kizivat T, Smolić R, Smolić M

PII-B3-3 THE ACTIVITY OF GARLIC EXTRACTS (ALLIUM SATIVUM) TO THE EPITHELIAL DAMAGE CAUSED BY SODIUM TAUROCHOLATE IN A CELL CULTURE MODEL OF ULCER DISEASE -
Kuna L, Kizivat T, Smolić R, Omanović Kolarić T, Ninčević V, Včev A, Smolić M

PII-B3-4 EXPRESSION OF FERRITIN LIGHT AND HEAVY CHAINS IN RAT LIVER: SEX AND AGE DIFFERENCES -
Pavić M, Turčić P, Antolić N, Karaica D, Vrhovac Madunić I, Micek V, Breljak D, Ljubojević M

PII-B3-5 ANIMAL GASTROINTESTINAL FUNCTIONAL TESTS AS USEFUL TOOL IN PRECLINICAL DRUG DEVELOPMENT -
Bruić A, Anzulović Santa

Z, Bujan F, Markota A, Bencetić Mihaljević V, Kelava V, Suzuki R, Brown A, Hrvačić B, Padovan J, Eraković Haber V, Glojnarić I

PII-B3-6 CRKL EXPRESSION IN THE DEVELOPING HUMAN KIDNEYS - Ložić M, Racetin A, Šolić I, Kosović I, Jurić M, Vukojević K

POSTER SEKCIJA II – Ostale teme 2 / POSTER SECTION II – Other topics 2

Voditelji / Chairmen: Dinko Vitezić, Suzana Mimica Matanović

PII-02-1 WEIGHT MANAGEMENT PROGRAM - IMPORTANCE OF PHARMACY CONSULTATION, PHYSICAL ACTIVITY AND REGULAR NUTRITION IN THE PREVENTION OF OBESITY - Kocić Z, Jovanović Z, Radošević Quadranti N, Beljan K, Andesilić J

PII-02-2 IMPACT OF THE COMPREHENSIVE MEDICATION MANAGEMENT SERVICES ON THE CLINICAL STATUS IN PATIENTS WITH HYPERTENSION IN THE HEALTH CENTRE ZAGREB – CENTRE - Brajković A, Mucalo I, Jonjić D, Sekondo P, Balenović A, Ramalho de Oliveira D

PII-02-3 PATIENT'S READING PATTERN AND LEVEL OF SATISFACTION WITH PACKAGE LEAFLETS IN CROATIA - Ilić Prelogović L, Drčić Duh M, Miškulinić I

PII-02-4 USE OF ADDICTIVE SUPSTANCES IN HIGH SCHOOL AND STUDENT POPULATION IN THE SIBENIK KNIN COUNTY - Jovanović Z, Sare M, Junaković M

PII-02-5 REPORTING OF OVER-THE-COUNTER DRUGS ADVERSE DRUG REACTIONS IN 2018 - Bukić J, Kellner M, Leskuri D, Rusić D, Šešelja Perišin A, Mas P, Margan Koletić Z, Tomić S, Modun D

SUBOTA, 28. RUJNA 2019. / 28 SEPTEMBER 2019 (SATURDAY)

**POSTER SEKCIJA III – Studentska sekcija “HDF program mladih”:
Eksperimentalna farmakologija 1**

/ **POSTER SECTION III – Students' section “HDF youth program”: Experimental pharmacology**

Voditelji / Chairmen: Darko Orešković, Tanja Jovanović

PIII-SE-01 ACUTE EFFECTS OF INTRANASAL INSULIN IN THE BRAIN OF RAT MODEL OF SPORADIC ALZHEIMER'S DISEASE - Budiša S, Knezović A

PIII-SE-02 ORAL CONTRACEPTIVES THERAPY IN POLYCYSTIC OVARY SYNDROME: THE EFFECTS ON HORMONAL STATUS AND OVARIAN RESERVE - Dumanić K, Marušić J, Mudnić I

PIII-SE-03 ANTIMICROBIAL ACTIVITY OF SELECTED RED AND WHITE WINES AGAINST ESCHERICHIA COLI IN MARINATED FISH FILLETS - Santoro HC, Skroza D, Šimat V, Čagalj M, Boban M

PIII-SE-04 THE EFFECT OF SMOKING ON SERUM LEVELS OF OLANZAPINE IN PATIENTS WITH SCHIZOPHRENIA - Horvat M, Kadija M, Lovrić M, Šagud M, Rogić D

PIII-SE-05 DOSE-DEPENDENT EFFECTS OF GLUCAGON-LIKE PEPTIDE-1 RECEPTOR INHIBITOR ON THE SIGNALING PATHWAYS IN THE RAT HIPPOCAMPUS - Kolarić D, Osmanović-Barilar J

PIII-SE-06 INFLUENCE OFPIOGLITAZONE ON THE MICROGLIAL REACTION AND SOME MARKERS OF INFLAMMATION AND CELL STRESS IN THE RAT HIPPOCAMPUS FOLLOWING LATERAL FLUID PERCUSSION INJURY - Slavić A, Delač LJ, Dolenec P, Župan G, Pilipović K

PIII-SE-07 INFLUENCE OF SALIVA ON THE RESULTS OF LABORATORY COAGULATION TESTS - Šimunović L, Špiljak B, Lapić I, Špalj S, Rogić D, Vuletić L

PIII-SE-08 EFFECT OF RENAL FUNCTION ON SERUM CONCENTRATIONS OF LEVETIRACETAM IN TREATED PATIENTS - Čurak T, Lovrić M, Dukić K, Rogić D

PIII-SE-09 COMPARISON OF FLUORIDE ION RELEASE FROM FLUORIDE GEL IN VARIOUS SOLVENTS - Turkalić M, Peroš K

PIII-SE-10 TRANS-SYNAPTIC ACTIONS OF BOTULINUM TOXIN AFTER INTRAMUSCULAR APPLICATION - Vukić B, Tomašić L, Matak I

POSTER SEKCIJA III – Studentska sekcija “HDF program mladih”:
Ostale teme u farmakologiji

/ POSTER SECTION III – Students' section “HDF youth program”: Other topics in pharmacology

Voditelji / Chairmen: Ante Tvrdeić, Robert Likić

PIII-SO-01 ABILIFY MYCITE-FIRST HIGH-TECH DRUG - Kerum A, Štulić K, Švob Štrac D

PIII-SO-02 MUSIC AS MEDICINE - Bekavac A, Jazić K, Švob Štrac D

PIII-SO-03 ARE DIGITAL DRUGS ACTUALLY DRUGS? - Vuić B, Horvatinec L, Švob Štrac D

PIII-SO-04 DENTISTRY STUDENTS' KNOWLEDGE AND AWARENESS
ABOUT THE USE OF ANTIBIOTICS IN DENTAL MEDICINE - Mršić D, Šutej I

PIII-SO-05 DO GRADUATING DENTAL STUDENTS FEAR THEIR FUTURE
PATIENTS ON ANTITHROMBOTIC THERAPY? - Cikojević A, Šljivac V, Špalj S, Vuletić L

PIII-SO-06 ADVERSE DRUG REACTIONS OF TYROSINE KINASE INHIBITORS
APPROVED FOR TREATMENT OF NON-SMALL CELL LUNG CANCER -
Budeš A, Kober D, Mirošević-Skvrce N, Bach-Rojecky L

PIII-SO-07 STUDENTS' PROJECT: OLIVESPIB (CROHUNTIN) – SELECTIVE
CYTOSOLIC HSP90 ISOFORM INHIBITOR IN THERAPY OF HUNTINGTON'S
DISEASE - Grdan D, Lez D, Odobašić D, Grgić M

PIII-SO-08 INTRAORAL FLUORIDE DELIVERY SYSTEMS DURING
ORTHODONTIC TREATMENT - Blagec T, Briški M, Peroš K

PIII-SO-09 MEDICAL PRESCRIPTION PRACTICE OF DOCTORS OF DENTAL
MEDICINE IN THE REPUBLIC OF CROATIA - Pernarić K, Šutej I

PIII-SO-10 METABOLOMICS IN PHARMACOLOGY - Matić M, Nedić Erjavec G

POZVANI PREDAVAČI / INVITED SPEAKERS

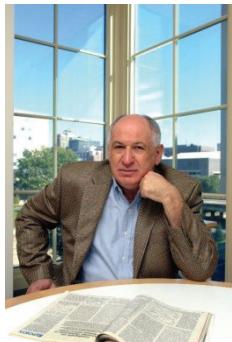
PLENARNA PREDAVANJA / PLENARY LECTURES

Joseph Schlessinger, USA (IUPHAR Lecture)

Fabrizio Benedetti, Italy (EPHAR Lecture)

Jørgen Rungby, Denmark

JOSEPH SCHLESSINGER



Joseph Schlessinger voditelj je Zavoda za farmakologiju i William H. Prusoff profesor Medicinskog fakulteta na Sveučilištu Yale te direktor Instituta za biologiju raka Sveučilišta Yale. Prof. Schlessinger jedan je od vodećih svjetskih staničnih biologa i inovatora u području liječenja raka. Autor je preko 540 znanstvenih originalnih i preglednih članaka iz područja farmakologije, molekularne biologije, biokemije i strukturne biologije, uglavnom veznih uz signalizaciju tirozin kinazama. Prof. Schlessinger je diplomirao kemiju i fiziku te magistirao kemiju na Hebrew University u Jeruzalemu, Izrael. Doktorat iz

područja biofizike stekao je na Zavodu za kemijsku fiziku, Weizmann Instituta u Rehovotu, Izrael. Dobitnik je brojnih nagrada, uključujući Michael Landau Prize (1973), Sara Ledy Prize (1980), Hestrin Prize (1983), Levinson Prize (1984), Ciba-Drew Award (1995) Antoine Lacassagne Prize (1995), Distinguished Service Award of Miami Biotechnology (1999), Taylor Prize (2000), Penzcoller Foundation-AACR International Award for Cancer (2010). Također ima počasno članstvo u Japanskom biokemijskom društvu (1999), počasni doktorat Sveučilišta u Haifi (2002), kao i orden Reda Danice hrvatske s likom Rudera Boškovića Republike Hrvatske (2009). Od 2000. godine član je Nacionalne akademije znanosti SAD-a, od 2001. član je Američke akademije umjetnosti i znanosti, a od 2005. godine Instituta za medicinu. Prof. Schlessinger također je dopisni član Hrvatske akademije znanosti i umjetnosti od 2008 godine (Razred za matematičke, fizičke i kemijske znanosti). Djeluje u u uredništvima brojnih časopisa, uključujući Cell i Molecular Cell.

Prof. Schlessinger is Chairman of the Department of Pharmacology, William Prusoff Professor at Yale School of Medicine and Director of the Yale University Cancer Biology Institute. Dr. Schlessinger is one of the world's leading cellular biologists and cancer-treatment inventors. He has authored over 540 scientific original and review articles in the areas of pharmacology, molecular biology, biochemistry and structural biology, mostly on tyrosine kinase signalling. Dr. Schlessinger received his B.Sc., Magna Cum Laude, in Chemistry and Physics and his M.Sc., Magna Cum Laude, in Chemistry from the Hebrew University in Jerusalem, Israel. He received his Ph.D. from the Department of Chemical Physics at the Weizmann Institute in Rehovot, Israel in the field of Biophysics. Schlessinger is the recipient of numerous prizes, including the Michael Landau Prize (1973), Sara Ledyard Prize (1980), Hestrin Prize (1983), Levinson Prize (1984), Ciba-Drew Award (1995) and Antoine Lacassagne Prize (1995), the Distinguished Service Award of Miami Biotechnology (1999), Honorary Membership of the Japanese Biochemical Society (1999), Taylor Prize (2000), Honorary Doctor of Philosophy from the University of Haifa (2002), the Medal of Danica Hrvatska Order of the Republic of Croatia (2009) and the Penzcoller Foundation-AACR International Award for Cancer (2010). He was elected to the United States National Academy of Sciences in 2000, to the American Academy of Arts and Sciences in 2001, and to the Institute of Medicine in 2005. Prof. Schlessinger has also been a corresponding member of the Croatian Academy of Sciences and Arts since 2008. He is serving on the editorial boards of numerous journals, including Cell and Molecular Cell.

FABRIZIO BENEDETTI



Fabrizio Benedetti profesor je neurofiziologije i fiziologije čovjeka na Medicinskom fakultetu Sveučilišta u Torinu. Također je voditelj kliničkih istraživanja neuroterapeutika, inicijative „Inovativna klinička ispitivanja i zdravstvena zaštita“ te direktor Centra za hipoksiiju u Plateau Rosà Laboratories u Breuil-Cervinia / Zermatt, Italija / Švicarska. Njegovi istraživački interesi uključuju neuroznanost, placebo učinak, klinička ispitivanja i fiziologiju i medicinu ekstremnih okruženja. Završio je Medicinski fakultet Sveučilišta u Torinu te dobio Silbertovu stipendiju za psihiatriju i biobihavioralne znanosti na University of California, Los Angeles u razdoblju 1984-1985. Dobitnik je brojnih nacionalnih i međunarodnih nagrada, poput Novartisove nagrade Talijanskog društva za neuroznanost (1997.) te Seymour Solomon nagrade Američkog društva za glavobolju (2012.). Obnaša savjetničke aktivnosti na National Institute of Health (NIH), Bethesda, SAD, kao i na Harvard University, Cambridge, SAD. Prof. Benedetti pozvani je član Europske radne skupine za bol i oslabljenu kogniciju te je član odbora Placebo grupe Međunarodnog udruženja za proučavanje boli. Bio je i još uvijek je aktivan član uredničkih odbora nekoliko časopisa, uključujući Pain (2009-2015), Current Neuropharmacology (2009-danas) i Canadian Journal of Pain (2016-danas). Prof. Benedetti sudjelovao je u brojnim organizacijskim odborima međunarodnih konferenciјa te je tijekom svoje plodne karijere održao veliki broj pozvanih i plenarnih predavanja.

Prof. Fabrizio Benedetti is a professor of Neurophysiology and Human Physiology at the University of Turin Medical School. He is also the Chairman of Clinical Research and Neurotherapeutics, the “Innovative Clinical Trials & Healthcare” Initiative and the Director of the Centre for Hypoxia at the Plateau Rosà Laboratories in Breuil-Cervinia/Zermatt, Italy/Switzerland. His research interests include neuroscience, the placebo effect, clinical trials and physiology and medicine of extreme environments. He graduated from the University of Turin Medical School and was awarded the Silbert Scholarship in Psychiatry and Biobehavioural Sciences at the University of California, Los Angeles in 1984-1985. He is the recipient of numerous awards, awarded both nationally, like the Novartis Prize of the Italian Socie-

ty for Neuroscience in 1997, and internationally, like the Seymour Solomon Award of the American Headache Society in 2012. He performs consultant activities at the National Institute of Health (NIH), Bethesda, MD, USA as well as at Harvard University, Cambridge, MA, USA. Prof. Benedetti is an invited member of the European Working Group on Pain and Impaired Cognition and the Board of the Placebo Group of the International Association for the Study of Pain. He was, and still is, an active member in the editorial boards of several journals, including Pain (2009-2015), Current Neuroparmacology (2009-today) and the Canadian Journal of Pain (2016-today). Prof. Benedetti has been part of numerous organizational committees of international conferences and has held a vast number of keynote and plenary lectures during his fruitful career.

JØRGEN RUNGBY



Jørgen Rungby je profesor endokrinologije na Sveučilištu u Kopenhagenu, Danska. Voditelj je Zavoda za endokrinologiju i internu medicinu Sveučilišne bolnice Bispebjerg, Copenhagen. Bivši je predsjednik Danskog društva za endokrinologiju i sudjeluje u nacionalnim i međunarodnim odborima kao savjetnik za

kliničku praksu i istraživanje metabolizma čovjeka. Prof. Rungby je stekao diplomu Medicinskog fakulteta na Aarhus University gdje je također i doktorirao. Bavi se istraživanjem utjecaja metabolizma na rad mozga, posebno kod dijabetesa, kao i studijama liječenja neurodegenerativnih bolesti manipuliranjem metabolizma moždanog sagorijevanja. Napisao je više od 200 originalnih radova i mentorirao više od 25 doktora znanosti.

Jørgen Rungby is Professor of Endocrinology at the University of Copenhagen, Denmark. He is Chief Physician at the Department of Endocrinology and Internal Medicine, Bispebjerg University Hospital, Copenhagen. He is the former chairman of the Danish Endocrine Society and serves on national and international boards as an advisor on clinical practice and research in human metabolism.

Prof. Rungby graduated from Aarhus University in and obtained his higher doctoral degree from the same university (DMSc, PhD). Jørgen Rungby is engaged in examining how metabolism affects the brain function, especially in diabetes, as well as in studies of treating neurodegenerative diseases by manipulating the cerebral fuel metabolism. He has authored more than 200 original papers and supervised more than 25 PhDs.

SIMPOZIJI, RADIONICE, OKRUGLI STOLOVI I OSTALA PREDAVANJA / SYMPOSIA, WORKSHOPS, ROUND TABLES AND OTHER LECTURES

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- 63. Sabina Uzeirbegović, Zagreb
- 64. Dinko Vitezić, Rijeka
- 65. Lea Vuletić, Zagreb
- 66. Gordana Župan, Rijeka

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- 2. Vita Dolžan, Slovenia
- 3. Natasa Duborija Kovačević,
Monte Negro
- 4. Julia Fitzgerald, Germany
- 5. Pietro Formisano, Italy
- 6. Ki Baik Hahm, Corea
- 7. Tanja Jovanović, USA
- 8. Mikhail Kalinichev, France
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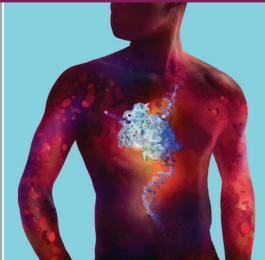
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Bolesnicima i lijećnicima pružamo lijekove za liječenje nekih od najraširenijih bolesti u svijetu. Svojim zaposlenicima nudimo kulturu u kojoj se mogu osjećati cijenjenima, motiviranim i nagrađenima za svoj doprinos. U zajednici želimo biti vrednovani na temelju onoga što naši lijekovi mogu učiniti za društvo i pouzdani zbog načina na koji poslujemo. Blisko surađujemo sa zdravstvenim radnicima na mnogim područjima zdravstva kako bismo razumjeli sve izazove i iskoristili sve svoje vještine i resurse te postigli zajednički cilj: unapređenje zdravlja.



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**9. Hrvatski kongres farmakologije
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