

7. HRVATSKI KONGRES FARMAKOLOGIJE S MEĐUNARODNIM SUDJELOVANJEM

Zagreb, 18.-21. rujna 2013.

7th CROATIAN CONGRESS OF PHARMACOLOGY WITH INTERNATIONAL PARTICIPATION

Zagreb, September 18-21, 2013



FINAL PROGRAM

SEPTEMBER 18, Wednesday

15,00-19,00 REGISTRATION, University of Zagreb, School of Medicine, Šalata 3

17,00 - 17,30 OPENING CEREMONY, The National House Palace (The Revival Hall/ Preporodna dvorana Narodnog doma), Opatička 18, Upper Town/ Gornji Grad

Introductory remarks

Keynote address:

President of the Croatian Academy of Sciences and Arts

Minister of Science, Education and Sports

Minister of Health

Representative of the President of the Republic of Croatia

17,30 – 18,15 PLENARY LECTURE 1: *Mulvany Michael, Aarhus, Denmark: Small artery research: endeavours in translation*, The National House Palace (The Revival Hall/ Preporodna dvorana Narodnog doma), Opatička 18, Upper Town/ Gornji Grad

18,45 – 20,30 WELCOME COCKTAIL, Dverce Palace/Palača Dverce, St. Catherine Square/Katarinski Trg 6, Upper Town/Gornji Grad

SEPTEMBER 19, Thursday

(University of Zagreb, School of Medicine, Šalata 3 – Čačković Hall)

8,00-18,00

REGISTRATION, University of Zagreb, School of Medicine, Šalata 3

8,30 -10,00

Symposium 1: Pharmacotherapy of mental disorders

Chairpersons: Deckert J., Jakovljević M.

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| 08.30-8.50 <i>Deckert Jürgen</i> | <i>Würzburg, Germany</i> | Combined psycho- and psychopharmacotherapy |
| 08.50-09.10 <i>Unterecker Stefan</i> | <i>Würzburg, Germany</i> | The relevance of therapeutic drug monitoring for psychopharmacotherapy |
| 09.10-09.30 <i>Jakovljević Miro</i> | <i>Zagreb, Hrvatska</i> | Psychopharmacotherapy between dogmatism and creativity. How to increase treatment efficiency? |
| 09.30-09.50 <i>Džubur Kulenović Alma</i> | <i>Sarajevo, Bosna i Hercegovina</i> | Towards the new antidepressants |
| <i>Discussion</i> | | |

10,00 - 10,20 coffee break

10,20 – 11,50

Symposium 2: Botulinum Toxin Type A and Pain: recent findings

Chairpersons: Lacković Z., Caleo M.

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|------------------------------------|--------------------|---|
| 10.20-10.40 Relja Maja | Zagreb, Croatia | Overview of the clinical application of botulinum toxin in pain condition |
| 10.40-11.00 Caleo Matteo | Pisa, Italy | Axonal transport of botulinum toxin |
| 11.00-11.20 Bach-Rojecki Lidija | Zagreb, Croatia | Behavioural evidence for the central origin of the antinociceptive action of botulinum toxin type A |
| 11.20-11.40 Lacković Zdravko | Zagreb, Croatia | Axonal transport of botulinum toxin: brain and pain |
| <i>Discussion</i> | | |

11,50 – 12,15 coffee break

12,15 – 13,00 PLENARY LECTURE 2:

| | | |
|----------------|----------------------|--|
| Riederer Peter | Würzburg, Germany | MAO-B Inhibitors: their role in neuroprotection Čačković Hall |
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13,00 – 14,00 lunch

14,00 – 14,45 Clinical poster session (poster numbers P.1.1-P1.18) with organized discussion

(Chairpersons: Bradamante V., Francetić I., Mulvany M.)

14,45 – 16,15

Symposium 3: Clinical pharmacology: how to improve drug administration

Chairpersons: Francetić I., Vitezić D.

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| 14.45-15.00 Vitezić Dinko | Rijeka, Croatia | Clinical trials in Croatia – past, present and future |
| 15.00-15.15 Likić Robert | Zagreb, Croatia | Role of expert systems and data bases in improvement of drug prescribing in Croatia |
| 15.15-15.30 Mimica Matanović Suzana | Osijek, Croatia | The importance of clinical pharmacology outpatient clinic in optimization of pharmacotherapy |
| 15.30-15.45 Erdeljić Viktorija | Zagreb, Croatia | The role of clinical pharmacologist in the drug committee of the Croatian institute for health insurance |
| 15.45-16.00 Makar | Zagreb, Croatia | Therapeutic guidelines: theory and everyday practice |

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| <i>Aušperger Ksenija</i> | | |
| <i>Discussion</i> | | |

16,15 – 16,30 coffee break

16,30 – 18,00

Symposium 4: Pharmacogenomics – genetic origin of adverse drug reactions

Chairpersons: Božina N., Alfirević A.

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|--------------------------------------|----------------------------|---|
| <i>16.30-16.50 Stingl Julia</i> | <i>Bonn, Germany</i> | Pharmacogenomics: from intermediate phenotypes of drug response to clinical translation |
| <i>16.50-17.10 Alfirević Ana</i> | <i>Liverpool, UK</i> | Pharmacogenetics of drug-induced liver injury |
| <i>17.10-17.30 Božina Nada</i> | <i>Zagreb, Croatia</i> | Pharmacogenetics of immunosuppressant drugs |
| <i>17.30-17.50 Lovrić Mila</i> | <i>Zagreb, Croatia</i> | Pharmacogenetic variability in drug transport |
| <i>Discussion</i> | | |

20,00 – 21,00 CONCERT Quartet Rucner concert, St. Mark's Church, St. Mark's Square 5/Trg sv. Marka 5, Upper Town/Gornji Grad

SEPTEMBER 20, Friday

(University of Zagreb, School of Medicine, Šalata 3 – Čačković Hall + Biology Hall)

8,00-18,00

REGISTRATION, University of Zagreb, School of Medicine, Šalata 3 (The main building), 1st floor

8,30 -10,00 Čačković Hall

Symposium 5: Polyphenols as pharmacologically active compounds

Chairpersons: Boban M., Jungbauer A.

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| <i>08.30-08.55 Jungbauer Alois</i> | <i>Vienna, Austria</i> | Polyphenols and its role for amelioration of metabolic syndrome |
| <i>08.55-09.15 Mudnić Ivana</i> | <i>Split, Croatia</i> | Polyphenols and cardiovascular system: mechanisms of action |
| <i>09.15-09.35 Debeljak Željko</i> | <i>Osijek, Croatia</i> | The potential use of selected polyphenols in treatment of polycythemia vera and essential thrombocytosis |
| <i>09.35-09.55 Generalić Mekinić Ivana</i> | <i>Split, Croatia</i> | Antioxidant and antimicrobial activity of plant phenolics |
| <i>Discussion</i> | | |

8,30 – 10,00 Biology Hall

HALMED lectures: Pharmacogenomics and pharmacovigilance – prevention of side – effects by therapy individualization)

HALMED predavanja: Farmakogenomika i farmakovigilancija – sprečavanje nuspojava u individualizaciji terapije

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|---|------------------------|---|
| 08.30 – 09.00 <i>Stingl Julia</i> | <i>Bonn, Germany</i> | Regulatory research and pharmacogenomics of adverse drug reactions/ Regulatorna istraživanja i farmakogenomika nuspojava lijekova |
| 09.00 – 09.30 <i>Alfirević Ana</i> | <i>Liverpool, UK</i> | Point-of-care testing and personalized medicine/ Pretrage uz bolesnika i personalizirana medicina |
| 09.30 – 09.45 <i>Mirošević Skvrce Nikica</i> | <i>Zagreb, Croatia</i> | Prevention of statin adverse drug reactions/ Sprječavanje nuspojava statina |
| 09.45 – 10.00 <i>Macolić Šarinić Viola</i> | <i>Zagreb, Croatia</i> | National database of adverse drug reactions as a tool for drug therapy individualization/ Nacionalna baza nuspojava lijekova kao oruđe u individualizaciji terapije |
| <i>Discussion</i> | | |

10,00 - 10,20 coffee break

10,20 – 11,50 Čačković Hall

Symposium 6 „Marin Bulat“: Enigma of CSF dynamics: fate of various substances inside of CSF system

Chairpersons: Klarica M., Orešković D.

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| 10.20-10.30 <i>Klarica Marijan</i> | <i>Zagreb, Croatia</i> | Marin Bulat and his research of CSF |
| 10.30-10.40 <i>Orešković Darko</i> | <i>Zagreb, Croatia</i> | Revision of classical hypothesis of CSF secretion inside of brain ventricles |
| 10.40-10.50 <i>Vukić Miroslav</i> | <i>Zagreb, Croatia</i> | Cerebrospinal fluid volume regulation |
| 10.50-11.00 <i>Klarica Marijan</i> | <i>Zagreb, Croatia</i> | Distribution of various substances along craniospinal CSF system |
| 11.00-11.10 <i>Radoš Milan</i> | <i>Zagreb, Croatia</i> | Visualisation of CSF movement by standard MR techniques |
| 11.10-11.40 <i>Yamada Shinya</i> | <i>Tokyo, Japan</i> | Cerebrospinal fluid dynamics in physiological and pathophysiological condition - using novel MRI time spatial labeling inversion pulse technique |
| <i>Discussion</i> | | |

10,20 – 11,50 Biology Hall

HALMED lectures: Croatian EU membership – what has been done regarding drugs?

HALMED predavanja: Pristup Hrvatske u EU – što je do sada učinjeno na području lijekova?

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| 10.20 –10.50 <i>Lovrek Maja</i> | <i>Zagreb, Croatia</i> | Accession to the EU and Medicinal Products – first experiences/ Ulazak u EU i lijekovi – prva iskustva |
| 10.50 –11.20 <i>Filipović Sučić Anita</i> | <i>Zagreb, Croatia</i> | Accession to the EU – Regulating Medicinal Products – new procedures/ Ulazak u EU – regulativa na području odobravanja lijekova – nove procedure |
| 11.20 –11.50 <i>Macolić Šarinić Viola</i> | <i>Zagreb, Croatia</i> | Accession to the EU – Pharmacovigilance – First experiences in the field of new regulation/ Ulazak u EU – farmakovigilancija – prva iskustva na području nove regulative |
| <i>Discussion</i> | | |

11,50 – 12,15 coffee break

12,15 – 13,00 PLENARY LECTURE 3:

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| <i>Dikić Ivan</i> | <i>Frankfurt, Germany</i> | Molecular targeting of the ubiquitin and autophagy networks, Čačković Hall |
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13,00 – 14,00 lunch

14,00 – 14,45 Nonclinical poster session (poster numbers 2.1-2.28) with organized discussion
(Chairperson: *Tvrdeić A., Mück-Šeler D., Riederer P.*)

14,45 – 16,15 Čačković Hall

Symposium 7: Experimental brain and spinal cord injury: pathophysiological mechanisms and therapeutic approaches

Chairpersons: *Župan G., Mršić-Pelčić J.*

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| 14.45-15.05 <i>Nistri Andrea</i> | <i>Trieste, Italy</i> | Pathophysiological and pharmacological studies of acute spinal cord injury using an in vitro model |
| 15.05-15.20 <i>Mladinić Miranda</i> | <i>Udine, Italy</i> | Molecular and cellular mechanisms involved in the early phase of the spinal cord injury |
| 15.20-15.35 <i>Mršić-Pelčić Jasenka</i> | <i>Rijeka, Croatia</i> | Brain ischemia and neuroprotection |
| 15.35-15.50 <i>Gajović Srećko</i> | <i>Zagreb, Croatia</i> | Ischemic injury of the mouse brain: inflammation and regeneration aspects |
| 15.50-16.05 <i>Župan Gordana</i> | <i>Rijeka, Croatia</i> | Effects of multifunctional drugs in the treatment of traumatic brain injury |
| <i>Discussion</i> | | |

14,45 – 16,15 Biology Hall

HALMED workshop: Drug interaction as a source of side-effects

HALMED radionica: Interakcija lijekova kao izvor nuspojava

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| <i>Macolić Šarinić Viola, Mirošević Skvrce Nikica, Andrić Adriana, Krnić Darko</i> | <i>Zagreb, Croatia</i> | <ul style="list-style-type: none">• Introduction about drug-drug interactions/ Uvod o interakcijama lijekova• Examples of interactions in daily practice and how are they reported/ Primjeri interakcija u praksi i kako ih se prijavljuje u sklopu prijave nuspojava lijekova• Exercise – how to recognize drug-drug interactions as a potential cause of ADR/ Vježbe – prepoznavanje interakcija lijekova kao potencijalni izvor nuspojava lijekova |
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16,15 – 16,30 coffee break

16,30 – 18,10 Čačković Hall

Symposium 8: Recent advances in the pharmacological approach to the treatment of Alzheimer's disease

Chairpersons: Šalković-Petrišić M., Pivac N.

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| <i>16.30-16.50 Babić Tomislav</i> | <i>Zagreb, Croatia</i> | Current status of drug development in Alzheimer's disease |
| <i>16.50-17.00 Pivac Nela</i> | <i>Zagreb, Croatia</i> | The association between gene polymorphism and pathophysiology of Alzheimer's disease |
| <i>17.00-17.10 Borovečki Fran</i> | <i>Zagreb, Croatia</i> | Genomic and glycomic approaches in the development of new drugs in dementia |
| <i>17.10-17.30 Bogdanović Nenad</i> | <i>Stockholm, Sweden</i> | Biologic agents as a novel therapeutic approach in Alzheimer's disease |
| <i>17.30-17.40 Šalković- Petrišić Melita</i> | <i>Zagreb, Croatia</i> | The significance of the experimental models in Alzheimer's disease drug development |
| <i>17.40-18.00 Schmitt Angelika</i> | <i>Würzburg, Germany</i> | Altered adult neurogenesis in experimental models of Alzheimer's disease: could it be improved by drug treatment? |
| | | <i>Discussion</i> |

16,30 – 18,00 Biology Hall

HALMED round table: Pharmacovigilance – spontaneous reporting of side effects by health workers vs. direct patient reports to HALMED

HALMED okrugli stol: Farmakovigilancija – spontano prijavljivanje nuspojava od strane zdravstvenih radnika vs. izravne prijave HALMED-u od strane pacijenata

Chairpersons: Macolić Šarinić V., Dimov di Giusti M., Krnić D.

18,10 – 19,00 **Electoral assembly of the Croatian pharmacological society** (*Society members only*)

20,00 **GALA DINNER with the announcement of the best clinical and non-clinical poster awards**, Lauba: Kuća za ljude i umjetnost/ Lauba House, Baruna Filipovića 23a, Črnomerec, Zagreb

**SEPTEMBER 21, Saturday
(University of Zagreb, School of Medicine, Šalata 3 – Čačković Hall)**

8,00-11,30

REGISTRATION, University of Zagreb, School of Medicine, Šalata 3 (The main building), 1st floor

8,30 – 9,15 PLENARY LECTURE 4:

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| <i>Holzer Peter</i> | <i>Graz, Austria</i> | Translational neuropsychopharmacology: input from the gut Čačković Hall |
|---------------------|----------------------|--|

9,15 – 9,30 *coffee break*

9,30 – 11,00

Sponsored symposium 9: Biological drugs (Roche)

Sponzorirani simpozij 9: Biološki lijekovi (Roche)

9,30 – 10,15

Scappaticci Frank, Roche, Clinical development, Basel, Swiss: **Monoclonal antibodies from production to application/** Monoklonska protutijela od proizvodnje do primjene

10,15-11,00

Ostojić Kolonić Slobodanka, Zagreb, Croatia: **Croatian experience in treatment with monoclonal antibodies/**Iskustva u liječenju s monoklonskim protutijelima u Hrvatskoj

11,00 – 11,20 *coffee break*

11,20 – 12,50

Round table: Harmonisation of doctoral studies at medical schools in Europe /ORPHEUS

Chairpersons: Lacković Z., Mulvaney M., Holzer P.

12,50 **CLOSING CEREMONY**

PAYMENTS AND REGISTRATION FEES

| | <i>Before July 15, 2013</i> | <i>After July 15, 2013</i> |
|---|-----------------------------|----------------------------|
| <i>Members of the CPS^a</i> | 1.100,00 kn | 1.300,00 kn |
| <i>Other participants^b</i> | 1.400,00 kn | 1.600,00 kn |
| <i>Undergraduate and PhD students^c</i> | 350,00 kn | 400,00 kn |
| <i>One-day registration fee^d</i> | 600,00 kn | 600,00 kn |
| <i>Accompanying persons^e</i> | 450,00 kn | 500,00 kn |

CPS = Croatian Pharmacological Society

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 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 seler@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.

Bank: Zagrebačka banka d.d.

Address: Paromlinska 2, 10 000 Zagreb, Croatia

SWIFT adresa: ZABA SWIFT HR2X

IBAN: HR3623600001101541228

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

Payment description: Congress registration fee – state participant name!

Giro account no: 2360000-1101541228

Individual registration fee for (a), (b), (c) includes:

- All congress activities
- Participation in the scientific/professional program and promotional activities
- Book of abstracts and congress materials in congress bag
- Certificate of attendance
- Certificate of validation from appertaining professional chamber
- Welcome cocktail
- Refreshments and lunch during breaks
- Concert
- Gala dinner

Individual registration fee for (d), one-day registration fee includes:

- Participation in the scientific/professional program and promotional activities
- Book of abstracts and congress materials in congress bag
- Certificate of attendance
- Certificate of validation from appertaining professional chamber
- Refreshments and lunch during breaks

Individual registration fee for (e), accompanying person, includes:

- Welcome cocktail
- Concert
- Gala dinner

PROFESSIONAL CHAMBER CREDITS/POINTS

Based on the Croatian Chamber of Physicians Regulations on Continuous Medical Education, *the registered participation of physicians at the Congress will entitle **active participants** (oral presentation or poster) to 20 points and attendants to 10 points.* Based on the Croatian Chamber of Pharmacists Regulations on the Content, Terms and Procedures of Professional Advancement and Testing of Professional Expertise, *the registered participation of physicians and pharmacists at the Congress will entitle **active participants** (oral presentation or poster) to 5.5 points and attendants to 4 points.*

ACCOMMODATION

Congress participants are offered accommodation in a limited number of rooms at the “Andrija Štampar” School of Public Health, Rockefellerova 4, 10 000 Zagreb. The prices per person per night are as follows:

Single room 200.00 kn

Double room 150.00 kn

Participants who are interested in the above offer may contact the e-mail address ablagaic@mef.hr by July 15, 2013.

CONGRESS WEBSITE : <http://hdf.kongres.com.hr>

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CONGRESS ORGANIZERS

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University of Zagreb School of Medicine

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Croatian Academy of Sciences and Art

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