

# 5. hrvatski kongres medicinskih biokemičara s međunarodnim sudjelovanjem

Poreč, 18.-22. listopada 2006.



**KONAČNI PROGRAM  
FINAL PROGRAM**

**5<sup>th</sup> Croatian Congress  
of Medical Biochemists  
with international participation**



**Poreč, Croatia, October 18-22, 2006**

<http://kongres.hdmb.hr>

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**5. hrvatski kongres  
medicinskih biokemičara  
s međunarodnim sudjelovanjem  
Poreč, 18.-22. listopada 2006.**



**5th Croatian Congress  
of Medical Biochemists  
with international participation  
Poreč, Croatia, October 18-22, 2006**

**Pod visokim pokroviteljstvom / Under the Patronage of**

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Ministarstvo zdravstva i socijalne skrbi / Ministry of Health and Social Welfare

Akademija medicinskih znanosti Hrvatske / Academy of Medical Sciences of Croatia

Istarska županija / Istrian Region

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**5. HKMB / 5<sup>TH</sup> HKMB****ORGANIZATOR / ORGANIZER**

Hrvatsko društvo medicinskih biokemičara - HDMB  
 Croatian Society of Medical Biochemists - HDMB

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 Sestre milosrdnice University Hospital  
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**SLUŽBENA WEB STRANICA KONGRESA / CONGRESS OFFICIAL WEB SITE**

<http://kongres.hdmb.hr>

## DOBRODOŠLICA

**Poštovane kolegice i kolege,**

Osobita nam je čast pozdraviti Vas na 5. hrvatskom kongresu medicinskih biokemičara s međunarodnim sudjelovanjem, u Poreču, ljučkom Istarskom gradu, koji po prvi puta ugošćuje sudionike našega Kongresa od 18. do 22. listopada ove godine.

Kongres će uz znanstveni program ponuditi i bogatu izložbu laboratorijskih proizvoda. Znanstveni odbor odabrao je stimulirajući znanstveni program i pozvao brojne ugledne domaće i strane predavače u namjeri da osigura najnovije informacije i osvijetli područje medicinske biokemije i laboratorijske medicine u kontekstu temeljnih znanosti, kliničkih znanosti, ali i njene kliničke primjene. Osobito nam je drago što su se svi predavači odazvali pozivu da aktivno sudjeluju u radu kongresa. Na kongresu ćemo saslušati i rezultate nekih posebno zanimljivih znanstvenih radova naših mladih kolega, dok će ostali poster prikazati gdje smo mi u odnosu na struku u svijetu. Bogata izložba laboratorijskih proizvoda i program industrijskih radionica mnogim će sudionicima pružiti saznanja o zadnjim novostima laboratorijske tehnologije i instrumentacije.

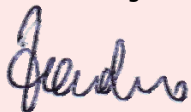
Predkongresni simpozij Laboratorijska medicina u 21. stoljeću posvećen je obilježavanju 40 godina rada prof. dr. Ane Stavljenić-Rukavina, našeg suvremenog znanstvenika i stručnjaka svjetskog razmjera u području medicinske biokemije i laboratorijske medicine, čime joj HDMB iskazuje posebno priznanje.

Kongres će kroz pet dana okupiti najveći broj stručnjaka iz zemlje, kao i uvažene goste iz inozemstva i biti će mjesto na kojemu će se u ozračju proslave 5. obljetnice Kongresa pokazati sva postignuća i vizije o daljnjem napredovanju medicinske biokemije, a organizator se potrudio da uza stručno-znanstveni program ponudi i dio vremena za zajedničko neobvezno i opuštено druženje u Poreču, gradu s dugom i bogatom prošlošću.

Pozivamo Vas da se aktivno uključite u rad Kongresa i svojim raspravama doprinesete njegovu uspjehu, te iskoristite ponuđene mogućnosti zajedničkog druženja u prelijepim krajolicima Poreča i okolice.

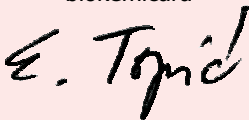
Želimo Vam uspješan rad na Kongresu i boravak u Poreču!

Predsjednica  
Znanstvenog odbora



prof. dr. Renata Zadro

Predsjednica  
5. hrvatskog kongresa medicinskih  
biokemičara



prof. dr. Elizabeta Topić

Predsjednica  
Organizacijskog odbora



dr. sc. Branka Kunović

## WELCOME

***Dear friends, dear colleagues,***

*It is our great pleasure and honor to address you at the Fifth Croatian Congress of Medical Biochemists with International Participation, here in Poreč, a charming Istrian town, hosting our Congress participants for the first time on October 18-22, 2006.*

*In addition to the scientific program, the Congress will also offer a rich exhibition of laboratory products. In order to ensure due quality of the scientific program, the Scientific Committee has invited renowned Croatian and international lecturers, to provide the latest information and to shed new light on the field of medical biochemistry and laboratory medicine in the context of basic sciences, clinical sciences and clinical practice. We are very pleased and grateful that all of the invited speakers have accepted to take active part in the Congress. The Congress will also offer an opportunity for us to listen to some very interesting scientific works by our young colleagues, while other posters will illustrate our position in the profession worldwide. The rich exhibition of laboratory products and the carefully designed program of industry workshops will provide useful information on the latest novelties in laboratory technology and instrumentation.*

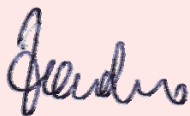
*The Pre-Congress Symposium on Laboratory Medicine in the 21st Century is dedicated to the forty years of work of Professor Ana Stavljenić-Rukavina, PhD, our contemporary scientist and world-known expert in the field of medical biochemistry and laboratory medicine, as an occasion for the CSMB to give full credit to Professor Stavljenić-Rukavina as an outstanding expert and scientist.*

*During five days, the Congress will gather the majority of Croatian professionals and dear guests from abroad, and will be the venue at which the achievements and visions of future progress of medical biochemistry will be demonstrated in the spirit of the fifth Congress anniversary. The organizers have invested due efforts for the Congress to offer an intriguing professional and scientific program, yet sparing some time for informal and relaxed companionship in Poreč, a town of long-standing and rich history.*

*We invite you herewith to take an active part in the work of the Congress and to contribute to its success by your discussion, as well as to join the social events in the beautiful scenery of Poreč and its surroundings.*

*We wish you success in the work of the Congress and a pleasant stay in Poreč.*

President,  
Scientific Committee



Prof. Renata Zadro, Ph.D.

President, 5th Croatian Congress of  
Medical Biochemists



Prof. Elizabeta Topić, Ph.D.

President,  
Organising Committee



Branka Kunović, Ph.D.

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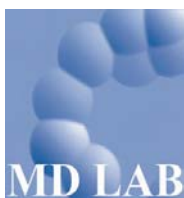
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			 Srednjoškolski put 17 • 10000 Zagreb Tel: 01 2461 795 • Fax: 01 2441 796 www.hko.hr • e-mail: hko@hko.hr Zadružnik sa Štalter Bio-Din a Gradsko 	

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**POČASNO PREDAVANJE /  
HONORARY LECTURE**

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PLENARY LECTURES**

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*Vučić Lovrenčić Marijana (Zagreb, Croatia)*

*Vukasović Ines (Zagreb, Croatia)*

*Wagner Jadranka (Osijek, Croatia)*

*Wiik Allan (Copenhagen S, Denmark)*

*Zadro Renata (Zagreb, Croatia)*

*Zjačić-Rotkvić Vanja (Zagreb, Croatia)*

*Zupančić-Šalek Silva (Zagreb, Croatia)*

**ZNANSTVENE RADIONICE /  
SCIENTIFIC WORKSHOPS**

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*Kosanke Wolfgang (Berlin, Germany)*

*Nazor Aida (Zagreb, Croatia)*

*Parag Gordana (Zagreb, Croatia)*

*Perkov Sonja (Zagreb, Croatia)*

*Sikirica Mirjana (Zagreb, Croatia)*

*Simon-Lopez Ramon (Nyon, Switzerland)*

*Tornow Tanja (Norderstedt, Germany)*

*Vogrinc Željka (Zagreb, Croatia)*

*Vučić Lovrenčić Marijana (Zagreb, Croatia)*

*Zovko Vlasta (Zagreb, Croatia)*

*Žanić-Grubišić Tihana (Zagreb, Croatia)*

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/ INDUSTRY SPONSORES WORKSHOPS**

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*Mantere Jaana (Mannheim, Germany)*

*Miloš Marija (Zagreb, Croatia)*

*Scott Steve (Leeds, United Kingdom)*

*Spagnotto Mauro (Milan, Italy)*

*Vuletić Ana (Sv. Filip i Jakov, Croatia)*

RASPORED PROGRAMA / PROGRAM SCHEDULE

	SRI/WED 18. 10.	ČET/THU 19. 10.	PET/FRI, 20. 10.	SUB/SAT, 21. 10.	NED/SUN, 22. 10.					
9:00-11:00	Registracija <i>Registration</i>	S1 A	S2 B	S5 A	S6 B	S7 B	S8 A	S11 A	S12 B	
11:00-11:30		Stanka za kavu / Coffee break								
11:30-12:15		PL1 A	PL2 A	PL3 A	PL4 A					
12:15-13:00										
13:00-14:00		ZR1 A	IR1 B	Izlet <i>Excursion</i>	ZR3 A	IR3 B	Zatvaranje kongresa <i>Closing ceremony</i> A			
14:00-15:00		ZR2 A	IR2 C		ZR4 C					
15:00-15:30										
15:30-16:00										
16:00-17:00	Predkongresni simpozij <i>Precongress simposium</i> A	S3 B	S4 A	Zajednička večera <i>Gala dinner</i>	S9 A	S10 B				
17:00-18:00										
18:00-18:30										
18:30-19:00	Otvaranje kongresa / Opening ceremony A	S Abbott B								
19:00-20:00	Počasno predavanje <i>Honorary lecture</i> A									
20:00-20:30	Koktel dobrodošlice <i>Welcoming Coctail</i>									
20:30-21:00										
21:00-22:00										

Legenda / Legend:

<span style="color: red;">■</span>	Simpozij / Symposium	<span style="color: orange;">■</span>	Znanstvena radionica / Scientific workshop	<span style="color: blue;">■</span>	Društveni program / Social program
<span style="color: green;">■</span>	Plenarno predavanje / Plenary lecture	<span style="color: yellow;">■</span>	Industrijom sponzorirana radionica / Industry sponsored workshop		
A - Dvorana A / Hall A	B - Dvorana B / Hall B		C - Dvorana C / Hall C		

**ZNANSTVENI PROGRAM / SCIENTIFIC PROGRAM****Srijeda, 18. listopada 2006. / Wednesday, October 18<sup>th</sup>, 2006****REGISTRACIJA  
REGISTRATION****10:00 - 18:30****POSLIJEPODNE / AFTERNOON****PREDKONGRESNI SIMPOZIJ - LABORATORIJSKA MEDICINA U 21. STOLJEĆU: 16:00 - 18:00**  
**Povodom obilježavanja 40 godina rada prof. dr. Ane Stavljenić Rukavina**  
**PRECONGRESS SYMPOSIUM - LABORATORY MEDICINE IN THE 21<sup>ST</sup> CENTURY: 40<sup>th</sup> anniversary**  
**of Professor Ana Stavljenić Rukavina's activities in medical biochemistry DVORANA A/HALL A****Voditelj / Chair: Elizabeta Topić**16:00 - 16:30 **S0-1**

Centri izvrsnosti u kliničkoj kemiji i laboratorijskoj medicini  
Centers of excellence in clinical chemistry and laboratory medicine  
*Mathias Müller (Wien, Austria)*

16:30 - 17:00 **S0-2**

Integracija i konsolidacija laboratorijskih specijalnosti - povezivanje laboratorija s odjelima i područjem  
Integration and consolidation of lab specialties - linking lab to the wards and territory  
*Pierangelo Bonini (Milano, Italy)*

17:00 - 17:30 **S0-3**

Trajna edukacija: zalog za budućnost struke  
Continuous education: pledge for the future of profession  
*Victor Blaton (Brugge, Belgium)*

17:30 - 18:00 **S0-4**

Simpozij s razlogom  
A symposium with a reason  
*Elizabeta Topić (Zagreb, Croatia)*

**OTVARANJE KONGRESA  
OPENING CEREMONY****18:30  
DVORANA A / HALL A**18:30 Riječ dobrodošlice  
Wellcome address19:00 Počasno predavanje: Hrvatska – prema društvu temeljenom na znanju  
Honorary lecture: Croatia – towards a knowledge-based society  
*Dragan Primorac (Zagreb, Croatia)*19:45 Dodjela priznanja  
Awards20:00 Koktel dobrodošlice  
Wellcome cocktail

Četvrtak, 19. listopada 2006. / Thursday, October 19<sup>th</sup>, 2006

PRIJEPODNE / MORNING

**SIMPOZIJ 1 - HARMONIZACIJA U LABORATORIJSKOJ MEDICINI**  
**SYMPOSIUM 1 - HARMONIZATION IN LABORATORY MEDICINE**

**9:00 - 11:00**  
**DVORANA A / HALL A**

**Voditelji / Chairs: Zlata Flegar-Meštrić, Paul de Bièvre**

9:00 - 9:30

**S1-1**

Značenje međunarodnog razumijevanja koncepata i širom svijeta prihvaćenog nazivlja u kemijskom mjeriteljstvu

Meeting the need of intercontinentally understood concepts and associated intercontinentally agreed terms for Metrology in Chemistry (MiC)

*Paul de Bièvre (Kasterlee, Belgium)*

9:30 - 9:55

**S1-2**

Harmonizacija medicinsko-biokemijskih pretraga u Hrvatskoj

Harmonization of medical biochemistry tests in Croatia

*Dubravka Čvorišćec (Zagreb, Croatia)*

9:55 - 10:20

**S1-3**

Mjeriteljska sljedljivost i mjerna nesigurnost – mjeriteljski pogled na rezultat

Metrological traceability and measurement uncertainty – metrological view of the result

*Višnja Gašljević (Zagreb, Croatia)*

10:20 - 10:50

**S1-4**

Mjerna nesigurnost u EQA

Measurement uncertainty in EQA

*Jean-Claude Libeer (Brussels, Belgium)*

10:50 - 10:55

**UP1-1 (Odabrani poster / Selected poster)**

Određivanje agregacije trombocita u djece na Behringovom instrumentu Coagulation Timer i referentni intervali

Determination of platelet aggregation in children on a Behring Coagulation Timer and reference intervals

*Branka Pauković-Sekulić (Split, Croatia)*

**SIMPOZIJ 2 – TROMBOCITI 2006**  
**SYMPOSIUM 2 – PLATELETS 2006**

**9:00 - 11:00**  
**DVORANA B / HALL B**

**Voditelji / Chairs: Renata Zadro, Marco Cattaneo**

9:00 - 9:30

**S2-1**

Uloga trombocita u bolesti

The role of platelets in disease

*Silva Zupančić-Šalek (Zagreb, Croatia)*

9:30 - 10:00

**S2-2**

Nasljedni poremećaji funkcije trombocita

Inherited disorders of platelet function

*Marco Cattaneo (Milano, Italy)*

10:00 - 10:25

**S2-3**

Testovi ispitivanja funkcije trombocita

Platelet function tests

*Désirée Coen Herak (Zagreb, Croatia)*

10:25 - 10:50	<b>S2-4</b> Evaluacija trombocita protočnom citometrijom Evaluation of platelets by flow cytometry <i>Drago Batinić (Zagreb, Croatia)</i>
10:50 - 10:55	<b>UP2-1 (Odabrani poster / Selected poster)</b> Praćenje broja trombocita u bolesnika s opeklinama Platelet count monitoring in burn patients <i>Marina Pavić (Zagreb, Croatia)</i>
11:00 - 11:30	STANKA ZA KAVU / COFFEE BREAK

<b>PLENARNO PREDAVANJE 1</b> <b>PLENARY LECTURE 1</b>	<b>11:30 - 12:15</b> <b>DVORANA A / HALL A</b>
--	---

**PL1**

Ateroskleroza  
Atherosclerosis  
*Željko Reiner (Zagreb, Croatia)*

<b>RADIONICA 1 - MEĐULABORATORIJSKE USPOREDBE</b> <b>WORKSHOP 1 - INTERLABORATORY COMPARISONS</b>	<b>13:00 - 14:00</b> <b>DVORANA A / HALL A</b>
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**Voditelj / Chair: Dubravka Juretić**

13:00 - 13:10	<b>ZR1-1</b> Utjecaj harmonizacije općih medicinsko-biokemijskih pretraga na rezultate vanjske procjene kvalitete medicinsko-biokemijskih laboratorija Impact of harmonization of general medical biochemistry analyses on external quality assessment results <i>Dubravka Juretić, Zlata Flegar-Meštrić (Zagreb, Croatia)</i>
13:10 - 13:20	<b>ZR1-2</b> Procjena rezultata u laboratorijskoj hematologiji Evaluation of results in laboratory hematology <i>Aida Nazor (Zagreb, Croatia)</i>
13:20 - 13:30	<b>ZR1-3</b> Procjena rezultata u laboratorijskoj koagulaciji Evaluation of the NEQAS coagulation results <i>Gordana Parag (Zagreb, Croatia)</i>
13:30 - 13:40	<b>ZR1-4</b> Procjena rezultata u rutinskoj analizi mokraće Evaluation of results in qualitative urinalysis <i>Mirjana Sikirica (Zagreb, Croatia)</i>
13:40 - 13:50	<b>ZR1-5</b> Procjena rezultata specijalističkih biokemijskih pretraga – pH i plinovi u krvi Evaluation of specialist biochemistry test results – pH and blood gas analysis <i>Sonja Perkov (Zagreb, Croatia)</i>
13:50 - 14:00	<b>ZR1-6</b> Rezultati vanjske procjene kvalitete za HbA1c Results of External Quality Assessment for HbA1c <i>Marijana Vučić Lovrenčić (Zagreb, Croatia)</i>

**INDUSTRIJOM SPONZORIRANA RADIONICA 1 - ROCHE DIAGNOSTICS**  
**INDUSTRY SPONSORED WORKSHOP 1 - ROCHE DIAGNOSTICS****13:00 - 14:00**  
**DVORANA B / HALL B**

13:00 - 13:15	<b>IR1-1</b> Analitička procjena imunokemijskog analizatora Modular - E170 tvrtke Roche Diagnostics Analytical assessment of Roche Modular – E 170, immunochemistry analyzer <i>Štefica Dvornik (Rijeka, Croatia)</i>
13:15 - 13:25	<b>IR1-2</b> Roche/Hitachi Modular – Analytics E170 Roche/Hitachi Modular – Analytics E170 <i>Ana Vuletić (Sv. Filip i Jakov, Croatia)</i>
13:25 - 13:35	<b>IR1-3</b> Bilježi koštane pregradnje na imunokemijskom analizatoru Modular Analytics <E> tvrtke Roche Diagnostics Bone turnover markers on immunochemistry analyzer Modular Analytics <E> by Roche Diagnostics <i>Vesna Horvat (Osijek, Croatia)</i>
13:35 - 13:45	<b>IR1-4</b> Modular Analytics SWA – naše iskustvo Modular Analytics SWA – our experience <i>Ines Alpeza (Zagreb, Croatia)</i>
13:45 - 14:00	<b>IR1-5</b> Cobas analitički sistemi Cobas analytical systems <i>Jaana Mantere (Mannheim, Germany)</i>

**RADIONICA 2 - EDUKACIJA MEDICINSKIH BIOKEMIČARA:**  
**HARMONIZACIJA S TEMELJNIM NAČELIMA BOLONJSKE DEKLARACIJE**  
**WORKSHOP 2 - EDUCATION OF MEDICAL BIOCHEMISTS: COMPLIANCE TO FUNDAMENTAL PRINCIPLES OF BOLOGNA DECLARATION****14:00 - 15:00****DVORANA A / HALL A****Voditelj / Chair: Tihana Žanić-Grubišić**

14:00 - 14:15	<b>ZR2-1</b> Nova koncepcija diplomskog Studija medicinske biokemije – magistar medicinske biokemije: stručnjak za 21. stoljeće A new concept of university degree in Medical Biochemistry – Master in Medical Biochemistry: competent expert for the 21st century <i>Tihana Žanić-Grubišić (Zagreb, Croatia)</i>
14:15 - 14:30	<b>ZR2-2</b> Poslijediplomski studiji na Farmaceutsko-biokemijskom fakultetu Postgraduate studies at School of Pharmacy and Biochemistry <i>Ivana Čepelak (Zagreb, Croatia)</i>
14:30 - 14:45	<b>ZR2-3</b> Međunarodna suradnja u edukaciji medicinskih biokemičara International collaboration in the education of medical biochemists <i>Dubravka Juretić (Zagreb, Croatia)</i>
14:45 - 15:00	<b>ZR2-4</b> Kako uskladiti edukaciju s potrebama medicinsko-biokemijske struke? How to harmonize education and requirements of the medical biochemistry profession? <i>Slavica Dodig (Zagreb, Croatia)</i>

**INDUSTRIJOM SPONZORIRANA RADIONICA 2 - MDLAB****14:00 - 15:00****Novi analitički sustavi u koagulaciji - IL**  
**INDUSTRY SPONSORED WORKSHOP 2 - MDLAB**  
**New analytical coagulation systems - IL****DVORANA C / HALL C****Voditelj / Chair: Monika Barberić (Zagreb, Croatia)****14:00 - 14:15 IR2-1**Uvod  
Introduction  
*Monika Barberić (Zagreb, Croatia)***14:15 - 14:30 IR2-2**Koagulacijska linija Instrumentation laboratory  
Instrumentation laboratory coagulation series  
*Mauro Spagnotto (Milano, Italy)***14:30 - 14:45 IR2-3**Rutinske koagulacijske analize na koagulacijskom analizatoru ACL TOP  
ACL TOP performance in routine coagulation testing  
*Marija Miloš (Zagreb, Croatia)***14:45 - 15:00 IR2-4**Tromboelastografija - kratki osvrt  
Tromboelastography - short review  
*Monika Barberić (Zagreb, Croatia)***POSLIJEPODNE / AFTERNOON****SIMPOZIJ 3 - LABORATORIJSKA MEDICINA ZASNOVANA NA DOKAZIMA****16:00 - 18:00****SYMPOSIUM 3 - EVIDENCE BASED LABORATORY MEDICINE****DVORANA B / HALL B****Voditelji / Chairs: Dunja Rogić, Chris Price****16:00 - 16:25 S3-1**Laboratorijska medicina zasnovana na dokazima: poboljšanje ishoda  
Evidence-Based Laboratory Medicine: delivering improved outcomes  
*Chris Price (Cirencester, United Kingdom)***16:25 - 16:50 S3-2**Racionalna dijagnostika u koagulaciji  
Rational diagnostics in coagulation  
*Andrea Griesmacher (Innsbruck, Austria)***16:50 - 17:10 S3-3**Mjere dijagnostičke točnosti: značenje i primjenjivost u praksi  
Measures of diagnostic accuracy: interpretation and transferability into praxis  
*Ana-Maria Šimundić (Zagreb, Croatia)***17:10 - 17:30 S3-4**Uvođenje EBLM u svakodnevni rad  
Introducing EBLM to practice  
*Dunja Rogić (Zagreb, Croatia)***17:30 - 17:50 S3-5**Pravni i etički problemi u laboratorijskoj medicini  
Legal and Ethical Issues in Laboratory Medicine  
*Melvin Blecher (Washington, DC, USA)*



**SIMPOZIJ 4 - AUTOMATIZACIJA I NOVE TEHNOLOGIJE**  
**SYMPOSIUM 4 - AUTOMATION AND NEW TECHNOLOGIES****16:00 - 18:00**  
**DVORANA A / HALL A****Voditelji / Chairs: Vlatko Rumenjak, Reto Savoca**

16:00 - 16:25	<b>S4-1</b> Konsolidacija i automatizacija laboratorija Laboratory consolidation and automation <i>Reto Savoca (Aarau, Switzerland)</i>
16:25 - 16:45	<b>S4-2</b> Razvoj i primjena modularnog informacijskog sustava u laboratorijskoj dijagnostici Development and application of modular information system in laboratory diagnosis <i>Mario Štefanović (Zagreb, Croatia)</i>
16:45 - 17:05	<b>S4-3</b> Biosenzori: jučer, danas i sutra Biosensors: past, present and future <i>Stjepan Milardović (Zagreb, Croatia)</i>
17:05 - 17:25	<b>S4-4</b> Pretrage uz bolesnika – automatizacija i integracija Point-of-care testing – automation and integration <i>Vlatko Rumenjak (Zagreb, Croatia)</i>
17:25 - 17:45	<b>S4-5</b> e-Zdravstvo za sigurnost bolesnika pomoću informacijskih tehnologija e-Health for achieving patient safety through information technologies <i>Bernard Gouget (Paris, France)</i>
17:45 - 17:50	<b>UP4-1 (Odabrani poster / Selected poster)</b> Epruvete različitih proizvođača i vrijednosti biokemijskih parametara Use of different test tubes and values of biochemical parameters <i>Mileva Trogrlić (Pula, Croatia)</i>
17:50 - 17:55	<b>UP4-2 (Odabrani poster / Selected poster)</b> Određivanje hipoksantina, ksantina i mokraćne kiseline u likvoru tekućinskom kromatografijom visoke djelotvornosti (HPLC) Determination of hypoxanthine, xanthine and uric acid in human cerebrospinal fluid by high performance liquid chromatography (HPLC) <i>Merica Aralica (Rijeka, Croatia)</i>

**'MINI' SIMPOZIJ ABBOTT - KARDIOVASKULARNE BOLESTI**  
**MINI SYMPOSIUM ABBOTT - CARDIOVASCULAR DISEASES****18:00 - 19:00**  
**DVORANA B / HALL B****Voditelj / Chair: Abbott**

18:00 - 18:30	<b>SA-1</b> Kliničko značenje testova za troponin poboljšane osjetljivosti Clinical importance of troponin assays with enhanced sensitivity <i>Per Venge (Uppsala, Sweden)</i>
18:30 - 18:45	<b>SA-2</b> Abbottovi srčani biljezi u dijagnostici i motrenju Abbott cardiac markers in diagnosis and monitoring <i>Birgit Herzig (Wiesbaden, Germany)</i>
18:45 - 19:00	<b>SA-3</b> Novi srčani biljezi akutnog koronarnog sindroma New biochemical markers of acute coronary syndrome <i>Lorena Honović (Pula, Croatia)</i>

**KONCERT / CONCERT****20:30 - 22:30**

**Petak, 20. listopada 2006. / Friday, October 20<sup>th</sup>, 2006**

## PRIJEPODNE / MORNING

### **SIMPOZIJ 5 - TUMORSKI BILJEZI I MOLEKULARNA DIJAGNOSTIKA ZLOĆUDNIH TUMORA**

**9:00 - 11:00**

### **SYMPOSIUM 5 - TUMOR MARKERS AND MOLECULAR DIAGNOSIS OF MALIGNANT TUMORS**

**DVORANA A / HALL A**

**Voditelji / Chairs: Dubravka Čvorišćec, Catherine Sturgeon**

9:00 - 9:25

**S5-1**

Granice nutrigenomike i prevencija raka  
Frontiers in nutrigenomics and cancer prevention  
*Ivana Vučenik (Baltimore; Maryland, USA)*

9:25 - 9:50

**S5-2**

Genomika i proteomika u onkologiji  
Genomics and proteomics in cancer  
*Jasminka Pavelić (Zagreb, Croatia)*

9:50 - 10:10

**S5-3**

Aktivacija signalnih molekula u karcinogenezi  
Activation of signalling molecules in carcinogenesis  
*Lada Rumora (Zagreb, Croatia)*

10:10 - 10:30

**S5-4**

Sustav aktivatora urokinaznog plazminogena: bogat izvor tumorskih biljega  
The urokinase plasminogen activator system: a rich source of tumor markers  
*Jasna Sorić (Zagreb, Croatia)*

10:30 - 10:50

**S5-5**

Pregled najnovijih smjernica za tumorske biljega  
An overview of recent guidelines on tumor markers  
*Catherine Sturgeon (Edinburgh, United Kingdom)*

10:50 - 11:00

**UP5-1 (Odabrani poster / Selected poster)**

Je li Ca 19-9 XR bolji?  
Is Ca 19-9 XR better?  
*Vera Krajinović-Tomašić (Podvinje, Croatia)*

### **SIMPOZIJ 6 - PEDIJATRIJSKA LABORATORIJSKA MEDICINA**

**9:00 - 11:00**

### **SYMPOSIUM 6 - PEDIATRIC LABORATORY MEDICINE**

**DVORANA B / HALL B**

**Voditelji / Chairs: Slavica Dodig, Klaus Kohse**

9:00 - 9:30

**S6-1**

Laboratorijska dijagnostika septičnih stanja u djece  
Laboratory diagnosis of septic states in children  
*Klaus Kohse (Oldenburg, Germany)*

9:30 - 9:50

**S6-2**

Izazovi novorođenačkog probira  
The challenges of neonatal screening  
*Karmen Bilić (Zagreb, Croatia)*

9:50 - 10:10	<b>S6-3</b> Neonatalna hiperbilirubinemija i Gilbertov sindrom Neonatal hyperbilirubinemia and Gilbert syndrome <i>Danijela Furlan (Novo Mesto, Slovenia)</i>
10:10 - 10:30	<b>S6-4</b> Laboratorijska dijagnostika alergijskih bolesti Laboratory diagnosis of allergic diseases <i>Slavica Dodig (Zagreb, Croatia)</i>
10:30 - 10:50	<b>S6-5</b> Proteomski i genski biljezi autoimunih bolesti u djece Proteomic and genetic markers of autoimmune diseases in children <i>Igor Berecki (Osijek, Croatia)</i>
10:50 - 11:00	<b>UP6-1 (Odabrani poster / Selected poster)</b> Enzimске aktivnosti AP, AST, ALT, LDH i GGT u novorođenčadi i babinjača Enzyme activities of AP, AST, ALT, LDH and GGT in newborns and puerperae <i>Valentina Koloska (Skopje, Macedonia)</i>
11:00 - 11:30	STANKA ZA KAVU / COFFEE BREAK

## PLENARNO PREDAVANJE 2 PLENARY LECTURE 2

**11:30 - 12:15**  
**DVORANA A / HALL A**

### PL2

Pedijatrijska laboratorijska medicina: zašto je drukčija?  
Pediatric Laboratory Medicine: why is it different?  
*Jocelyn Hicks (Washington, DC, United states of America)*

## IZLET EXCURSION

**13:00 - 20:00**

**Subota, 21. listopada 2006. / Saturday, October 21<sup>th</sup>, 2006**

## PRIJEPODNE / MORNING

### **SIMPOZIJ 7 - GENESKE BOLESTI – NOVI PROFILI PRETRAGA** **SYMPOSIUM 7 - GENETIC DISEASES – NEW TEST PROFILES**

**9:00 - 11:00**  
**DVORANA B / HALL B**

**Voditelji / Chairs: Jadranka Sertić, Michael Neumaier**

9:00 - 9:25	<b>S7-1</b> Osiguranje kvalitete – EQA Quality assurance – EQA <i>Michael Neumaier (Mannheim, Germany)</i>
9:25 - 9:45	<b>S7-2</b> Genetska analiza multifaktorske bolesti: osteoporoza Genetic analysis of multifactorial disease: osteoporosis <i>Janja Marc (Ljubljana, Slovenia)</i>
9:45 - 10:05	<b>S7-3</b> Molekularni i biokemijski profili pretraga za nasljedne bolesti Molecular and biochemical test profiles for hereditary disorders <i>Jadranka Sertić (Zagreb, Croatia)</i>
10:05 - 10:25	<b>S7-4</b> Uloga protrombotičkih rizičnih čimbenika u cerebrovaskularnim bolestima u djece The role of prothrombotic risk factors in children with cerebrovascular disease <i>Renata Zadro (Zagreb, Croatia)</i>
10:25 - 10:45	<b>S7-5</b> Patobiokemija karcinoma Cancer pathobiochemistry <i>Michael Neumaier (Mannheim, Germany)</i>
10:45 - 10:50	<b>UP7-1 (Odabrani poster / Selected poster)</b> Polimorfizam gena za citokine IL-6, IL-10, TNF-alfa, TGF-beta1 i IF-gama u bolesnika s presađenim bubregom Determination of the IL-6, IL-10, TNF-alfa, TGF-beta1 and IF-gamma cytokine gene polymorphism in the population of kidney transplanted patients from eastern Croatia – a single center study <i>Jasenska Wagner (Osijek, Croatia)</i>
10:50 - 10:55	<b>UP7-2 (Odabrani poster / Selected poster)</b> Kvantitativna fluorescentna PCR – brza metoda za prenatalnu dijagnostiku najčešćih autosomnih aneuploidija Quantitative-fluorescent PCR – a rapid approach to prenatal diagnosis of common autosomal aneuploidies <i>Dinko Pavlinić (Osijek, Croatia)</i>

### **SIMPOZIJ 8 - BILJEZI BOLESTI KRVOŽILNOG SUSTAVA** **SYMPOSIUM 8 - MARKERS OF VASCULAR DISEASES**

**9:00 - 11:00**  
**DVORANA A / HALL A**

**Voditelji / Chairs: Štefica Dvornik, Sophie Visvikis-Siest**

9:00 - 9:25	<b>S8-1</b> Genetske i okolinske odrednice upalnih biljega: rezultati u Skupini Stanislas Genetic and environmental determinants of inflammatory markers: results from the Stanislas Cohorte <i>Sophie Visvikis-Siest (Nancy, France)</i>
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9:25 - 9:40	<b>S8-2</b> Infarkt miokarda i hemostaza Myocardial infarction and haemostasis <i>Florian Prüller (Graz, Austria)</i>
9:40 - 10:00	<b>S8-3</b> NT-proBNP je vrijedan biljeg za kongestivno srčano zatajenje s dijagnostičkom i prognostičkom primjenom NT-proBNP is a useful marker for congestive heart failure with diagnostic and prognostic applications <i>George Bashirians (Rochester, NY, USA)</i>
10:00 - 10:15	<b>S8-4</b> Genska podloga bolesti krvožilnog sustava Genetic background of cardiovascular diseases <i>Goran Ferencak (Zagreb, Croatia)</i>
10:15 - 10:30	<b>S8-5</b> Diferencijalna dijagnostika i prognostički biljezi moždanog udara Differential diagnosis and prognostic markers of stroke <i>Ines Vukasović (Zagreb, Croatia)</i>
10:30 - 10:50	<b>S8-6</b> Vrijednost kardiovaskularnih biljega kod morbidne pretilosti Value of cardiovascular markers in morbid obesity <i>Katharina Hermann-Arnhofer (Vienna, Austria)</i>
10:50 - 11:00	<b>UP8-1 (Odabrani poster / Selected poster)</b> Procjena analitičke i dijagnostičke vrijednost kolorimetrijskog testa vezanja kobalta na albumin kod bolesnika sa sumnjom na akutni koronarni sindrom Analytical and diagnostic assessment of serum albumin-cobalt binding assay in patients suspect of acute coronary syndrome <i>Branka Knežević (Kaštel Lukšić, Croatia)</i>
11:00 - 11:30	STANKA ZA KAVU / COFFEE BREAK

## PLENARNO PREDAVANJE 3 PLENARY LECTURE 3

11:30 - 12:15  
DVORANA A / HALL A

### PL3

Farmakogenetika, farmakogenomika i farmakoproteomika kardiovaskularnih lijekova  
Pharmacogenetics, pharmacogenomics and pharmacoproteomics of cardiovascular drugs  
*Gerard Siest (Nancy, France)*

## RADIONICA 3 - D-DIMERI: DEFINICIJA, PRIMJENA U KLINICI, STANDARDIZACIJA I HARMONIZACIJA METODA WORKSHOP 3 - D-DIMERS: DEFINITION, CLINICAL APPLICATION, STANDARDIZATION AND HARMONIZATION OF METHODS

13:00 - 14:00  
DVORANA A / HALL A

Voditelj / Chair: **Désirée Coen Herak**

13:00 - 13:15	<b>ZR3-1</b> Definicija i pregled dostupnih metodologija za kvantitativno određivanje D-dimera Overview and brief description of available methodologies for quantitative determination of D-dimers <i>Désirée Coen Herak (Zagreb, Croatia)</i>
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13:15 - 13:30	<b>ZR3-2</b> D-dimeri: različite metode, različiti rezultati. Iskustvo s programom vanjske procjene kvalitete D-dimers: different methods, different results. The experience within an external quality assessment programme <i>Steve Kitchen (Sheffield, United Kingdom)</i>
13:30 - 13:45	<b>ZR3-3</b> Kliničko značenje određivanja D-dimera u likvoru Diagnostic value of cerebrospinal fluid D-dimer assay <i>Željka Vogrinc (Zagreb, Croatia)</i>
13:45 - 14:00	<b>ZR3-4</b> Dinamičko praćenje D-dimera različitim metodama za kvantitativno određivanje Dynamic D-dimer monitoring by different methods for quantitative determination <i>Vlasta Zovko (Zagreb, Croatia)</i>

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**INDUSTRIJOM SPONZORIRANA RADIONICA 3 - ABBOTT LABORATORIES** **13:00 - 14:00**  
**INDUSTRY SPONSORED WORKSHOP 3 - ABBOTT LABORATORIES** **DVORANA B / HALL B**

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**IR3-1**

Proširena primjena hematološkog brojača Cell-Dyn Sapphire  
Extended application of hematology analyzer Cell-Dyn Sapphire  
*Steve Scott (Leeds, United Kingdom)*

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**RADIONICA 4 - NOVI HEMATOLOŠKI PARAMETRI** **14:00 - 15:00**  
**WORKSHOP 4 - NEW HEMATOLOGICAL PARAMETERS** **DVORANA C / HALL C**

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**Voditelj / Chair: Biserka Getaldić**

14:00 - 14:20	<b>ZR4-1</b> Procjena novih parametara u odnosu na standarde New clinical applications with WBC automated morphological analysis <i>Ramon Simon-Lopez (Nyon, Switzerland)</i>
14:20 - 14:40	<b>ZR4-2</b> Novi parametri na hematološkim analizatorima Sysmex New parameters on Sysmex hematological analyzers <i>Tanja Tornow (Norderstedt, Germany)</i>
14:40 - 15:00	<b>ZR4-3</b> Napredak u hematologiji: nedostatak željeza u svjetlu novih biokemijskih biljega i indeksa RBC (% Hypo, Chr) – Terapijski dijagram Thomas-Plot i njegova uloga u dijagnostici i terapiji Advances in hematology: iron deficiency states in the light of new biochemical markers and RBC indices (% Hypo, Chr) – Thomas-Plot Therapeutic Diagram and its relevance in diagnosis and therapy <i>Wolfgang Kosanke (Berlin, Germany)</i>

## POSLIJEPODNE / AFTERNOON

### SIMPOZIJ 9 - KOŠTANI BILJEZI SYMPOSIUM 9 - BONE MARKERS

16:00 - 18:30  
DVORANA A / HALL A

Voditelji / Chairs: **Nada Vrkić, Vladimir Palicka**

16:00 - 16:25	<b>S9-1</b> Koštani biljezi i njihova primjena u kliničkoj dijagnostici Bone markers and its use in clinical diagnostics <i>Vladimir Palicka (Hradec Kralove, Czech Republic)</i>
16:25 - 16:50	<b>S9-2</b> Koštani biljezi u hiperparatiroidizmu Bone markers in hyperparathyroidism <i>Nada Vrkić (Zagreb, Croatia)</i>
16:50 - 17:10	<b>S9-3</b> Razvojna dinamika biljega koštane pregradnje na primjeru adolescentne anoreksije nervoze Developmental dynamics of bone turnover markers: an example of adolescent anorexia nervosa <i>Zvonimir Jurčić (Zagreb, Croatia)</i>
17:10 - 17:30	<b>S9-4</b> Gustoća kostiju i koštani biljezi u adolescentica s anoreksijom nervozom Bone density and bone markers in female adolescents with anorexia nervosa <i>Antonija Balenović (Zagreb, Croatia)</i>
17:30 - 17:50	<b>S9-5</b> Osteoporozu u reumatskom artritisu Osteoporosis in rheumatoid arthritis <i>Jasna Pavela (Osijek, Croatia)</i>
17:50 - 18:15	<b>S9-6</b> Biološke razlike u biokemijskim koštanim biljezima Biological variation of biochemical bone markers <i>Rosa Isabella Sierra-Amor (Veracruz, Mexico)</i>
18:15 - 18:20	<b>UP9-1 (Odabrani poster / Selected poster)</b> Biljezi koštane pregradnje u terapiji osteoporoze selektivnim modulatorima estrogenskih receptora Bone turnover markers in osteoporosis therapy with selective estrogen receptor modulators <i>Sanja Mandić (Osijek, Croatia)</i>
18:20 - 18:25	<b>UP9-2 (Odabrani poster / Selected poster)</b> Tartrat-rezistentna kisela fosfataza i PINP u dijagnostici osteoporoze Tartrate-resistant acid phosphatase (TRAP) and N-terminal propeptide of type I procollagen (PINP) in the diagnosis of osteoporosis <i>Jasenska Miljuš (Banjaluka, Bosnia and Herzegovina)</i>

## SIMPOZIJ 10 - TOKSIKOLOGIJA I FARMAKOGENETIKA SYMPOSIUM 10 - TOXICOLOGY AND PHARMACOGENETICS

16:00 - 18:30  
DVIORANA B / HALL B

**Voditelji / Chairs: Elizabeta Topić, Joško Osredkar**

16:00 - 16:25	<b>S10-1</b> Novi pristup laboratorijskoj dijagnostici u kliničkoj toksikologiji New access of laboratories diagnostics in clinical toxicology <i>Jadranka Wagner (Osijek, Croatia)</i>
16:25 - 16:50	<b>S10-2</b> Štetni utjecaj nekontrolirane suplementacije: uloga laboratorijskih analiza i nutrigenetike u <i>anti-aging</i> medicini Side effects of uncontrolled supplementation: the role of laboratory analysis and nutrigenetics in anti-aging medicine <i>Marin Bosotina (Split, Croatia)</i>
16:50 - 17:15	<b>S10-3</b> Pasivno pušenje marihuane i pozitivna doping kontrola Passive marijuana smoking and positive doping control <i>Joško Osredkar (Ljubljana, Slovenia)</i>
17:15 - 17:40	<b>S10-4</b> Regresijski model za predviđanje doze varfarina iz farmakogenetskog statusa – klinička primjena Warfarin dose prediction regression model from pharmacogenetic status – clinical application <i>Mario Štefanović (Zagreb, Croatia)</i>
17:40 - 18:05	<b>S10-5</b> Uloga farmakogenetičkih varijacija u liječenju depresije The role of pharmacogenetic variations in depression therapy <i>Nada Božina (Zagreb, Croatia)</i>
18:05 - 18:10	<b>UP10-1 (Odabrani poster / Selected poster)</b> Određivanje lamotrigina u plazmi metodom tekućinske kromatografije visokog razlučivanja uz primjenu ultraljubičastog detektora Determination of lamotrigine in plasma by high performance liquid chromatography with UV detection <i>Iva Petek Tarnik (Zagreb, Croatia)</i>
18:10 - 18:15	<b>UP10-3</b> Naša iskustva u primjeni imunokemijskih testova u toksikološkom prosijavanju na lijekove i sredstva ovisnosti Our experience with immunochemistry testing on screening for drugs and abuse substances <i>Vjekoslav Jagić (Zagreb, Croatia)</i>

**SVEČANA VEČERA  
GALA DINNER**

**20:00**



**Nedjelja, 22. listopada 2006. / Sunday, October 22<sup>nd</sup>, 2006**

**PRIJEPODNE / MORNING**

**SIMPOZIJ 11 - AUTOIMUNE I ALERGIJSKE BOLESTI  
SYMPOSIUM 11 - AUTOIMMUNE AND ALLERGIC DISEASES**

**9:00 - 11:00  
DVORANA A / HALL A**

**Voditelji / Chairs: Andrea Tešija Kuna, Harald Renz**

9:00 - 9:25	<b>S11-1</b> Novi aspekti u <i>in vitro</i> dijagnostici alergija New aspect in <i>in vitro</i> allergy diagnostics <i>Harald Renz (Marburg, Germany)</i>
9:25 - 9:50	<b>S11-2</b> Smjernice za testiranje na antinuklearna antitijela (ANA) Guidelines for antinuclear antibody (ANA) testing <i>Allan Wiik (Copenhagen S, Denmark)</i>
9:50 - 10:10	<b>S11-3</b> Autoantitijela u antifosfolipidnom sindromu Autoantibodies in antiphospholipid syndrome <i>Andrea Tešija Kuna (Zagreb, Croatia)</i>
10:10 - 10:30	<b>S11-4</b> Imunodijagnostika vaskulitisa Immunodiagnosis of vasculitis <i>Ana Kozmar (Zagreb, Croatia)</i>
10:30 - 10:50	<b>S11-5</b> Imunodijagnostika autoimunih bolesti jetre Immunodiagnosis of autoimmune liver diseases <i>Ilza Salamunić (Split, Croatia)</i>
10:50 - 11:00	<b>UP11-1 (Odabrani poster / Selected poster)</b> Analiza stanica bronhoalveolarnog lavata protočnom citometrijom u sarkoidozi Flow cytometry analysis of bronchoalveolar lavage cells in sarcoidosis <i>Blaženka Dobrošević (Osijek, Croatia)</i>

**SIMPOZIJ 12 - ŠEĆERNA BOLEST  
SYMPOSIUM 12 - DIABETES MELLITUS**

**9:00 - 11:00  
DVORANA B / HALL B**

**Voditelji / Chairs: Marijana Vučić Lovrenčić, Lorena Honović**

9:00 - 9:25	<b>S12-1</b> Alotransplantacija otočica u bolesnika sa šećernom bolešću tip 1 Islet allotransplantation in type 1 diabetic patients <i>Federico Bertuzzi (Milano, Italy)</i>
9:25 - 9:50	<b>S12-2</b> Uloga upalnih čimbenika u šećernoj bolesti i komplikacijama The role of inflammatory factors in diabetes mellitus and its complications <i>Spomenka Ljubić (Zagreb, Croatia)</i>
9:50 - 10:15	<b>S12-3</b> Hemoglobin A <sub>1c</sub> : kamo nakon 30 godina? Hemoglobin A <sub>1c</sub> : 30 Years Later <i>Marijana Vučić Lovrenčić (Zagreb, Croatia)</i>

10:15 - 10:40	<b>S12-4</b> Metabolički sindrom Metabolic syndrome <i>Vanja Zjačić-Rotkvić (Zagreb, Croatia)</i>
10:40 - 10:45	<b>UP12-1 (Odabrani poster / Selected poster)</b> Učinak trajanja šećerne bolesti tip 1 na katalitičnu koncentraciju N-acetil-beta-D-glukozaminidaze u mokraći djece i adolescenata Effect of diabetes mellitus type 1 duration on urinary N-acetyl-beta-D-glucosaminidase excretion in children and adolescents <i>Jasminka Matica (Rijeka, Croatia)</i>
10:45 - 10:50	<b>UP12-2 (Odabrani poster / Selected poster)</b> Aktivnost alkalne fosfataze u bolesnika sa šećernom bolešću tip 1 i 2: razlike prema dobi i spolu Alkaline phosphatase activity in patients with diabetes mellitus type 1 and 2: age and sex differences <i>Adlija Jevrić-Čaušević (Sarajevo, Bosnia and Herzegovina)</i>
11:00 - 11:30	STANKA ZA KAVU / COFFEE BREAK

## PLENARNO PREDAVANJE 4 PLENARY LECTURE 4

11:30 - 12:15  
DVORANA A / HALL A

### PL4

Medicinska biokemija i laboratorijska medicina: pogled u budućnost  
Medical biochemistry and laboratory medicine: future prospects  
*Ana Stavljenić Rukavina (Zagreb, Croatia)*

## ZATVARANJE KONGRESA CLOSING CEREMONY

12:30 - 13:30

## POSTERSKE SEKCIJE / POSTER SECTIONS

## POSTERSKE TEME / POSTER TOPICS:

<b>P-1</b>	Prikaz slučaja / Case report	<b>P-14</b>	Onkologija i tumorski biljezi / Oncology and tumor markers
<b>P-2</b>	Hematologija / Haematology	<b>P-15</b>	Toksikologija i TDM / Toxicology and TDM
<b>P-3</b>	Koagulacija / Coagulation	<b>P-16</b>	Molekularna dijagnostika / Molecular diagnosis
<b>P-4</b>	Srce i srčani biljezi / Heart and cardial markers	<b>P-17</b>	Imunologija / Immunology
<b>P-5</b>	Vaskularne bolesti / Vascular diseases	<b>P-18</b>	Hitna laboratorijska dijagnostika / Emergency clinical chemistry
<b>P-6</b>	Hipertenzija / Hypertension	<b>P-19</b>	Pedijatrijska laboratorijska dijagnostika / Pediatric laboratory diagnostics
<b>P-7</b>	Šećerna bolest / Diabetes mellitus	<b>P-20</b>	Laboratorijski informacijski sustavi / Laboratory information system
<b>P-8</b>	Koštani metabolizam i bolesti / Bone metabolism and diseases	<b>P-21</b>	Automatizacija i robotika / Automation and robotics
<b>P-9</b>	Upala / Inflammation	<b>P-22</b>	Biostatistika / Biostatistics
<b>P-10</b>	Cerebrovaskularne bolesti / Cerebrovascular diseases	<b>P-23</b>	Ostalo / Other
<b>P-11</b>	Bubrežne bolesti / Nephrological diseases		
<b>P-12</b>	Bolesti jetre i gastrointestinalnog trakta / Liver and gastrointestinal diseases		
<b>P-13</b>	Endokrinologija / Endocrinology		

## P1: PRIKAZ SLUČAJA / CASE REPORT

## (SEKCIJA I / SECTION I)

## P1-1

Neusklađeni rezultati pretraga štitnjače: prikaz slučaja

Incompatible thyroid test results: case report

Crnokrak S, Pauro M, Mujagić R, Honović L

## P1-2

Tromboembolija u 14-godišnjeg dječaka

Thromboembolism in a 14-year-old boy

Margetić S, Raić B, Hajnžić FT, Bulj N, Tešija Kuna A, Nikolac N

## P1-3

Kronična mijeloična leukemija – važnost praćenja terapije: prikaz slučaja

Chronic myelogenous leukemia – therapy monitoring: case report

Radić Antolac M, Zadro R, Davidović-Mrsić S, Sertić D, Labar B

## P1-4

Waldenströmova makroglobulinemija i vrijednosti leukocita

Waldenström's macroglobulinemia and leukocyte values

Šimek S, Pirija M, Honović L

## P1-5

Intrahepatalna kolestaza povezana s deficitom alfa-1-antitripsina u novorođenčeta: prikaz slučaja

Intrahepatic cholestasis associated with alpha-1-antitrypsin deficiency in newborn: case report

Žirović M, Tešija-Kuna A, Štefanović M, Nikolac N, Topić E, Žaja-Franulović O, Jurčić Z

## P1-6

Udružena megaloblastična i AIHA (autoimuna hemolitička anemija) – prikaz slučaja

Combined megaloblastic and AIHA (immunohemolytic anemia) – case report

Getaldić B, Vucelić V, Stančić V, Sović D

## P2: HEMATOLOGIJA / HAEMATOLOGY

### P2-1

(UP2-1)

Praćenje broja trombocita u bolesnika s opeklinama

Platelet count monitoring in burn patients

Pavić M, Milevoj L, Galez D, Bronić A

### P2-2

Vrijednosti hematoloških parametara u djece predškolske dobi

Values of hematology parameters in preschool children

Pirija M, Šimek S, Mujagić R, Honović L

## P3: KOAGULACIJA / COAGULATION

### P3-1

(UP1-1)

Određivanje agregacije trombocita u djece na Behringovom instrumentu Coagulation Timer i referentni intervali

Determination of platelet aggregation in children on a Behring Coagulation Timer and reference intervals

Pauković-Sekulić B, Salamunić I, Tandara L

### P3-2

Modifikacija testa STA-STACLOT APC-R za dokazivanje Faktora V Leiden uporabom omjera RAPC

Improvement of STA-STACLOT APC-R test for detection of Factor V Leiden by use of APCR ratio

Coen Herak D, Miloš M, Zadro R

### P3-3

Korelacija APTV određenog reagensima Pathromtin SL i Dade Actin FS na analizatoru Berichrom Coagulation System i reagensom STA Cephascreen na analizatoru STA Compact

Correlation of aPTT determined with Pathromtin SL and Dade Actin FS reagents on Berichrom Coagulation System analyser and STA Cephascreen reagent on STA Compact analyser

Đerek L, Živković M, Hašperger D, Šprajc N, Radovčić M, Romić Ž

### P3-4

Ispitivanje poremećaja primarne hemostaze uporabom analizatora funkcije trombocita PFA-100

Laboratory evaluation of primary hemostasis on a PFA-100 platelet function analyzer

Miloš M, Coen Herak D, Zadro R

### P3-5

Predviđanje stupnja deficita FVIII analizom reakcijskih krivulja za APTV

Is it possible to predict the degree of FVIII deficiency from aPTT waveform analysis on a Behring Coagulation Timer (BCT)?

Miloš M, Coen-Herak D, Zadro R

### P3-6

Usporedivost rezultata D-dimer testova s referentnom metodom VIDAS D-Dimer Exclusion AS

Comparison of D-dimer assays with the VIDAS D-Dimer Exclusion AS reference method

Parag G, Sokolić I

### P3-7

Utjecaj niskomolekularnog heparina na globalne koagulacijske testove kod bolesnika na hemodijalizi

Impact of low molecular weight heparin on the results of global coagulation assays in hemodialysis patients

Pauković-Sekulić B, Salamunić I, Tandara L

**P3-8**

Funkcija trombocita u trudnoći: usporedba analizatora PFA-100 i standardne metode agregacije trombocita  
Platelet function in pregnancy: comparison of PFA-100 analyzer and standard method of platelet aggregation  
Raić B, Margetić S, Košec V

**P3-9**

Vrijednost određivanja D-dimera kod bolnički liječenih bolesnika  
Usefulness of D-dimer measurement in hospitalized patients  
Šegulja D, Zovko V, Alerić I

**P3-10**

Procjena vrijednosti D-dimera u bolničkih i ambulantnih bolesnika upotrebom dviju metoda  
Evaluation of D-dimer value in inpatients and outpatients by use of two methods  
Vučemilo T, Krajačić Karas G, Šturm D, Banović M

**P3-11**

Procjena epruveta tvrtke Terumo u izvođenju pretraga zgrušavanja krvi  
Evaluation of Terumo test tubes for coagulation tests  
Vukmir-Turković B, Brkjačić V, Sertić J, Kralik-Ogrić S

**P3-12**

Usporedba PV, APTV, TV i fibrinogena na koagulacijskim analizatorima Berichrom Coagulation System i STA Compact  
Comparison of PT, APTT, TT and fibrinogen on the Berichrom Coagulation System and STA Compact coagulation analyzers  
Živković M, Đerek L, Hašperger D, Vukelić D, Romić Ž

**P3-13**

Tromboelastografija i globalni koagulacijski testovi  
Thromboelastography and global coagulation tests  
Barberić M, Balen S, Vukelić-Damijani N

**P4: SRCE I SRČANI BILJEZI / HEART AND CARDIAL MARKERS****P4-1****(UP8-1)**

Procjena analitičke i dijagnostičke vrijednost kolorimetrijskog testa vezanja kobalta na albumin kod bolesnika sa sumnjom na akutni koronarni sindrom  
Analytical and diagnostic assessment of serum albumin-cobalt binding assay in patients suspect of acute coronary syndrome  
Knežević B, Rumenjak V, Dravinski Ž, Miličević G, Gavranović Ž, Bakula M

**P4-2**

Seroprevalencija *Helicobacter pylori* kod koronarne arterijske bolesti  
*Helicobacter pylori* seroprevalence in coronary artery disease  
Grozdovska-Naumoska M, Domazetovska S

**P4-3**

Biokemijsko dijagnosticiranje akutnog infarkta miokarda: srčani troponin I ili izoenzim MB kreatin kinaze  
Biochemical diagnosing of acute myocardial infarction: cardiac troponin I or creatine kinase MB isoenzyme  
Hasić S, Jadrić R, Kiseljaković E, Radovanović RJ, Winterhalter-Jadrić M

**P4-4**

Vrijednost koncentracije cTnI i Myo u ranoj procjeni srčanog zatajenja u hitnoj službi  
The value of cTnI and Myo concentration in the early assessment of heart failure at emergency department  
Hrabrić S, Bilić-Zulle L, Dvornik Š

## P4-5

BNP – biljeg ishemijske bolesti srca  
BNP – a marker of ischemic heart failure  
Krajnović-Tomašić V

## P4-6

Dijagnostička vrijednost određivanja BNP i NT-proBNP  
Diagnostic value of BNP and NT-proBNP  
Šupe-Domić D, Čepić K, Mladina B, Ivanovic-Ivelja N, Dujmov I

## P4-7

Usporedba metoda za određivanje srčanog troponina I  
Comparison of methods for determination of cardiac troponin I  
Feretić D, Zovko V, Fressl G, Rogić D

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## P7: ŠEĆERNA BOLEST / DIABETES MELLITUS

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### P7-1

(UP12-1)

Učinak trajanja šećerne bolesti tip 1 na katalitičnu koncentraciju N-acetil-beta-D-glukozaminidaze u mokraći djece i adolescenata  
Effect of diabetes mellitus type 1 duration on urinary N-acetyl-beta-D-glucosaminidase excretion in children and adolescents  
Matica J, Dvornik Š

### P7-2

(UP12-2)

Aktivnost alkalne fosfataze u bolesnika sa šećernom bolešću tip 1 i 2: razlike prema dobi i spolu  
Alkaline phosphatase activity in patients with diabetes mellitus type 1 and 2: age and sex differences  
Jevrić-Čaušević A, Malenica M, Dujčić T

### P7-3

Direktna automatska imunoturbidimetrijska metoda za određivanje HbA1c  
A novel simplified automated immunoturbidimetric assay for HbA1c determination (direct HbA1c)  
Ferenc Ružić D, Kvaternik M, Svržan J, Topić E

### P7-4

Vrijednosti IGF-I i IGFBP3 u očnoj vodici i serumu dijabetičkih pacijenata  
Vitreous and serum levels of IGF-I and IGFBP3 in patients with diabetes mellitus  
Krapan R, Kaštelan S, Bušić M, Zjačić-Rotkvić V

### P7-5

Koncentracije ukupnih proteina i albumina u serumu dijabetičkih bolesnika  
Serum total protein and albumin concentrations in diabetic patients  
Malenica M, Jevrić-Čaušević Adlija A, Dujčić Tanja T

### P7-6

Procjena promjena metaboličkih procesa ovisno o primjeni hipoglikemičnih lijekova  
Assessment of changes in the metabolic pathway depending on hypoglycemic medicaments  
Domazetovska S, Bogdanova M, Percan V, Milenković T

**P8: KOŠTANI METABOLIZAM I BOLESTI / BONE METABOLISM AND DISEASES****P8-1****(UP9-1)**

Biljezi koštane pregradnje u terapiji osteoporoze selektivnim modulatorima estrogenskih receptora

Bone turnover markers in osteoporosis therapy with selective estrogen receptor modulators

Mandić S, Horvat V, Bačun T, Mandić D, Pavela J, Majetić-Cetina N

**P8-2****(UP9-2)**

Tartrat-rezistentna kisela fosfataza i PINP u dijagnostici osteoporoze

Tartrate-resistant acid phosphatase (TRAP) and N-terminal propeptide of type I procollagen (PINP) in the diagnosis of osteoporosis

Miljuš J, Nikolic J

**P8-3**

Analitička procjena P1NP – biokemijskog biljega koštane pregradnje

Analytical evaluation of P1NP – a biochemical marker of bone turnover

Marcius M, Getaldić-Švarc B, Vrkić N

**P8-4**

Oksidativni status u osteoporozi

Oxidative status in osteoporosis

Mandić D, Bačun T, Venžera Z, Horvat V, Mandić S, Majetić-Cetina N

**P8-5**

Koncentracija specifične alkalne fosfataze (BAP) u bolesnica na terapiji metimazolom

Concentration of serum bone specific alkaline phosphatase (BAP) in patients on methimazole therapy

Krilič D, Lukinac LJ, Nöthig-Hus D, Balenović A, Jukić T, Kusić Z

**P8-6**

Uloga biokemijskih biljega u dijagnostici osteoporoze

The role of biochemical markers in the diagnosis of osteoporosis

Horvat V, Mandić S, Bačun T, Mandić D, Pavela J, Majetić-Cetina N

**P9: UPALA / INFLAMMATION****P9-1**

Plazmatske razine PMN-elastaze i neopterina u ranom stadiju sepse

Plasma PMN-elastase and neopterin levels in the early stage of sepsis

Bogdanova M, Gruev T, Domazetovska S

**P9-2**

Utjecaj HDL-razgradnih proizvoda na gensku ekspresiju u endotelnim stanicama

Effect of HDL-degradation products on gene expression in endothelial cells

Crnković S, Gauster M, Guelly C, Frank S

**P9-3**

IL-1 beta, IL-6, IL-8, IL-10 i TNF-alfa u serumu shizofrenih bolesnika u akutnoj fazi poremećaja

Serum IL-1 beta, IL-6, IL-8, IL-10 and TNF-alpha in acute schizophrenic patients

Fijačko M, Laufer D, Pavela J, Dobrošević B, Cetina N

**P9-4**

Glikozilacija u akutnom upalnom odgovoru

Glycosylation in acute inflammatory response

Gornik O, Rudd Pm, Lauc G

### P9-5

Identifikacija antinuklearnih antitijela pomoću imuno testa  
Identification of antinuclear antibodies using an immunoassay system  
Grozdovska-Naumoska M

### P9-6

Enzim konverzije angiotenzina u sarkoidozi  
Angiotensin converting enzyme of sarcoidosis  
Janicevic-Ivanovska D

### P9-7

Biljezi upale u prijevremenom porodu  
Inflammation markers in preterm labour  
Kralik-Ogucić S, Škrablin S, Kulić A, Lovrić H, Bernt Živković T, Vukmir Turković B

### P9-8

Koncentracija TNF-alfa, CXCL8, velikog ET-1 i hsCRP kod zdravih nepušača, pušača i bolesnika s KOPB  
Concentrations of TNF-alpha, CXCL8, big ET-1 and hsCRP in healthy non-smokers, smokers and COPD patients  
Marević S, Petrik J, Vrkić N, Popović-Grle S, Čepelak I

### P9-9

Poremećaji unutarstaničnih signalnih putova kod bolesnika s kroničnom opstruktivskom bolesti pluća  
Deregulation of intracellular signaling pathways in patients with chronic obstructive pulmonary disease  
Rumora L, Milevoj L, Barišić K, Žanić Grubišić T, Čepelak I

### P9-10

Visoko osjetljivi C-reaktivni protein i serumski amiloid A u bolesnika s meningitisom  
High sensitive C-reactive protein and serum amyloid A protein in patients with meningitis  
Marević S, Sokolić B, Laškaj R, Pejnović L, Petres B

## P10: CEREBROVASKULARNE BOLESTI / CEREBROVASCULAR DISEASES

### P10-1

Utjecaj Holleste na serumske razine lipoproteina(a) i homocisteina u bolesnika s primarnom hiperlipidemijom  
Effect of Hollesta on serum lipoprotein(a) and homocysteine levels in patients with primary hyperlipidemia  
Arsova V, Noshpal M, Lavcanska J

### P10-2

Učestalost genotipova ljudskih trombocitnih antigena u djece s arterijskim ishemijskim moždanim udarom  
Frequency of human platelet antigen genotypes in children with arterial ischemic stroke  
Coen Herak D, Pavić M, Radić Antolice M, Leniček-Krleža J, Bašneć Brkić A, Dodig S, Đuranović V, Zadro R

### P10-3

C-reaktivni protein kao biomarker visokog stupnja stenoze moždanih arterija  
C-reactive protein as a biomarker for severe stenosis of cerebral arteries  
Flegar-Meštrić Z, Vrhovski-Hebrang D, Preden-Kereković V, Perkov S, Bobetić-Vranić T, Grga A, Vidjak V, Hebrang A

## P11: BUBREŽNE BOLESTI / NEPHROLOGICAL DISEASES

### P11-1

(UP3-1)

Endotelin-1, veliki endotelin-1 i dušikov oksid u bolesnika s kroničnim bubrežnim bolestima  
Endothelin-1, big endothelin-1 and nitric oxide in patients with chronic renal diseases  
Petrik J, Čolak I, Galešić K, Čepelak I



**P11-2**

Praćenje učinka konvencionalne dijalize, hemodijafiltracije i parne hemodijafiltracije na razinu beta-2-mikroglobulina u serumu

Monitoring of the effect of conventional hemodialysis, hemodiafiltration and paired hemodiafiltration on-line on serum beta-2-microglobulin levels

Juriček J, Vitunjski-Englert B, Lovreček J, Jeren-Strujić B, Romić Ž

**P11-3**

Određivanje slobodnih masnih kiselina u tkivu leđne moždine u uvjetima liječenja indometacinom

Determination of free fatty acids in spinal cord tissue in the conditions of indomethacin therapy

Pantović R, Eraković V, Draganić P, Simonić A

**P11-4**

Značenje nalaza atipičnih stanica u svježoj mokraći

Significance of atypical cell finding in fresh urine

Giju S, Flangea C, Petrica L, Dumitrascu V, Grecu D

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**P12: BOLESTI JETRE I GASTROINTESTINALNOG TRAKTA /  
LIVER AND GASTROINTESTINAL DISEASES**


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**P12-1**

Mutacija gena za kationski tripsinogen (PRSS1) hereditarnog pankreatitisa: prikaz obitelji

Hereditary pancreatitis with cationic trypsinogen gene (PRSS1) mutation: a family study

Kušec R, Marušić Vrsalović M, Romić Ž, Papa B

**P12-2**

Dokazivanje prisutnosti *Helicobacter pylori* pomoću ureja izdisajnog testa

Urea breath test to detect the presence and activity of *Helicobacter pylori*

Zlodre S

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**P13: ENDOKRINOLOGIJA / ENDOCRINOLOGY**


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**P13-1**

Laboratorijska potpora dijagnostici i praćenju bolesti štitnjače

Laboratory support to thyroid disease diagnosis and follow up

Crnokrak S, Mujagić R, Honović L

**P13-2**

TSH u praćenju supresijske terapije pomoću L-T4 u bolesnika s karcinomom štitnjače

TSH monitoring in patients with thyroid carcinoma on L-T4 suppressive therapy

Gregurić N, Bence-Žigman Z

**P13-3**

Usporedba triju potpuno automatiziranih imunokemijskih metoda za mjerenje ukupnog HCG u serumu

Comparison of three fully automated immunoassays for serum total HCG determination

Kačkov S, Rogić D, Fressl G, Kralik S, Fuček M

**P13-4**

Poremećaji funkcije štitnjače u bolesnika na terapiji amiodaronom

Thyroid function dysfunction in patients on amiodarone therapy

Prić M, Lukinac Lj, Jukić T, Krilić D, Labar Ž, Kusić Z

## P13-5

Biokemijske promjene u središnjem živčanom sustavu miševa s inaktivnim genom za receptor folitropina ovisne su o starosti i spolu

Age and gender dependent biochemical changes in central nervous system of follitropin receptor knockout mice  
Rumora L, Lovrić J, Sairam Rm, Maysinger D

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## P14: ONKOLOGIJA I TUMORSKI BILJEZI / ONCOLOGY AND TUMOR MARKERS

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### P14-1

(UP5-1)

Je li Ca 19-9 XR bolji?

Is Ca 19-9 XR better?

Krajnović-Tomašić V

### P14-2

MTHFR u karcinomu prostate i benignoj hiperplaziji prostate

MTHFR in prostatic cancer and benign prostatic hyperplasia

Nikolac N, Šimundić Am, Reljić A, Štefanović M, Topić E

### P14-3

Tumorska povezanost proteolitičkih faktora uPA i PAI-1 u karcinomima štitnjače

Tumor-associated proteolytic factors uPA i PAI-1 in thyroid carcinoma

Horvatić Herceg G, Herceg D, Bence-Žigman Z, Tomić-Brzac H, Kralik M, Kulić A

### P14-4

Tumorski biljezi S100 i MIA u praćenju bolesnika s malignim melanomom

Tumor markers S100 and MIA proteins in the follow up of patients with malignant melanoma

Lukinac Lj, Buljan M, Krilić D, Brozić J, Šitum M, Kusić Z

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## P15: TOKSIKOLOGIJA I TDM / TOXICOLOGY AND TDM

(SEKCIJA II / SECTION II)

### P15-1

(UP10-1)

Određivanje lamotrigina u plazmi metodom tekućinske kromatografije visokog razlučivanja uz primjenu ultraljubičastog detektora

Determination of lamotrigine in plasma by high performance liquid chromatography with UV detection

Petek Tarnik I, Coce I, Petek M, Cvitanović-Šojat Lj, Kusić Z

### P15-2

(UP10-2)

Serumske koncentracije oligoelemenata u shizofrenih bolesnika i ovisnika o alkoholu

Serum oligoelement concentrations in schizophrenia patients and alcohol addicts

Samošćanec K, Papić-Futač D, Karlović D, Vukelić N, Topić E, Thaller V

### P15-3

(UP10-3)

Naša iskustva u primjeni imunokemijskih testova u toksikološkom prosijavanju na lijekove i sredstva ovisnosti

Our experience with immunochemistry testing on screening for drugs and abuse substances

Jagić V, Dravinski Ž, Sokolić I, Rumenjak V

### P15-4

Koncentracija beta-endorfina u serumu i mozgu štakora izloženih trazodonu

Brain and serum beta-endorphin concentration in trazodone treated rats

Jadrić R, Hasić S, Kiseljaković E, Čorić J, Radovanović J, Winterhalter-Jadrić M

**P15-5**

Koncentracije alfa-1-mikroglobulina u mokraći stanovnika istočne Hrvatske izloženih arsenu pitkom vodom  
 Urine levels of alpha-1-microglobulin among residents of eastern Croatia exposed to high concentrations of arsenic in drinking water  
 Čavar S, Milić M

**P15-6**

Katalitička koncentracija ukupne glutation S-transferaze (GSTs) u serumu zdravih ispitanika i pacijenata sa stabilnom KOPB  
 Total glutathione S-transferase (GSTs) activity in serum of healthy subjects and patients with stable COPD  
 Petlevski R, Žuntar I, Čepelak I, Dodig S, Popović-Grle S, Malić A

**P15-7**

Farmakogenetička analiza i individualizacija terapije u liječenju epilepsije – prikaz slučaja  
 Pharmacogenetic analysis and therapy individualization in epilepsy treatment – a case report  
 Božina N, Granić P, Barišić N, Lovrić M, Bujas-Petković Z, Sertić J

**P15-8**

Fenotipizacija s deksmetorfanom u procjeni metaboličkog kapaciteta enzima CYP2D6 i dometa interakcija lijekova  
 Dextromethorphan phenotyping in assessing CYP2D6 enzyme metabolic capacity and drug interaction  
 Lovrić M, Božina N, Granić P, Mihaljević-Pešić A, Lalić Z

**P15-9**

Analička validacija testa Seradyn-Innfluor za određivanje koncentracije everolimusa  
 Analytical validation of Seradyn-Innfluor assay for everolimus measurement  
 Šurina B, Cvrilje-Čolić V, Katičić M, Prskalo M, Preden-Kereković V, Flegar-Meštrić Z

**P15-10**

Prikaz slučaja: otrovanje etilen-glikolom  
 Case report: Ethylene glycol poisoning  
 Lovrić M, Granić P, Čubrilo-Turek M, Lalić Z, Sertić J

**P16: MOLEKULARNA DIJAGNOSTIKA / MOLECULAR DIAGNOSTICS****P16-1****(UP7-1)**

Polimorfizam gena za citokine IL-6, IL-10, TNF-alfa, TGF-beta1 i IF-gama u bolesnika s presađenim bubregom  
 Determination of the IL-6, IL-10, TNF-alfa, TGF-beta1 and IF-gamma cytokine gene polymorphism in the population of kidney transplanted patients from eastern Croatia – a single center study  
 Wagner J, Pavlinić D, Zibar L, Lauc G, Barbic J

**P16-2****(UP7-2)**

Kvantitativna fluorescentna PCR – brza metoda za prenatalnu dijagnostiku najčešćih autosomnih aneuploidija  
 Quantitative-fluorescent PCR – a rapid approach to prenatal diagnosis of common autosomal aneuploidies  
 Pavlinić D, Džijan S, Wagner J, Čurić G, Stipoljev F, Lauc G

**P16-3**

Jednostavan i brz protokol za molekularno dokazivanje normalnih i produljenih alela miotonične distrofije tipa 2  
 A simple and rapid molecular protocol to detect normal and expanded alleles in myotonic dystrophy type 2  
 Vlašić Tanasković J, Kačkov S, Mitrović Z, Žagar M, Sertić J

**P16-4**

Mutacije gena PMM2 i ALG6: postoje li u hrvatskoj populaciji  
 Are there any PMM2 and ALG6 gene mutations and polymorphisms in the Croatian population  
 Šupraha Goreta S, Lauc G, Dumić J

## P16-5

Polimorfizam gena za TNF-alfa +489G/A kod bolesnika s KOPB

TNF-alpha +489G/A polymorphism and COPD

Malić A, Smoljanović J, Čepelak I, Rumora L, Grdić M, Popović-Grle S, Barišić K

## P16-6

Analiitička procjena sustava za umnažanje DNA u stvarnom vremenu Rotor-Gene 3000

Analytical evaluation of the Rotor-Gene 3000 real-time instrument

Bobetić-Vranić T, Šiftar Z, Crnković S, Flegar-Meštrić Z

## P16-7

Značenje međulaboratorijskih usporedba u području molekularne dijagnostike – vlastita iskustva

Role of inter-laboratory comparison in the field of molecular diagnosis – own experience

Bobetić-Vranić T, Šiftar Z, Flegar-Meštrić Z

## P16-8

Usporedba osjetljivosti ugnježenog PCR i kvantitativnog PCR u određivanju Bcr/Abl p210 transkripta kronične mijeloične leukemije

Comparison of sensitivity of nested PCR and quantitative PCR in Bcr/Abl p210 transcript detection in chronic myelogenous leukemia

Marušić Vrsalović M, Kušec R, Pejša V, Romić Ž

## P16-9

Mutacija gena JAK2 u kroničnim mijeloproliferativnim bolestima

JAK2 gene mutation in chronic myeloproliferative disorders

Kušec R, Marušić Vrsalović M, Ajduković R, Hariš V, Jakšić O, Romić Ž, Pejša V

## P16-10

Pankreatitis i genske varijante lipoprotein lipaze u ispitanika hrvatskoga podrijetla

Pancreatitis and lipoprotein lipase gene variants in subjects of Croatian descent

Pašalić D, Bilić-Zulle L, Ferenčak G, Stavljenić Rukavina A

## P16-11

Učestalost mutacije V617F u genu za JAK2 u mijeloproliferativnim bolestima

The prevalence of JAK2 V617F mutation in myeloproliferative diseases

Radić Antolčić M, Zadro R, Juričević M, Bašić-Kinda S, Labar B

## P16-12

Probiranje za mutacije u genu GALT kod zdrave hrvatske populacije

Screening for GALT gene mutations in a healthy Croatian population

Rumora L, Grdić M, Juretić D, Žanić Grubišić T, Barišić K

## P16-13

Molekularna dijagnostika mitohondrijskih bolesti – MELAS

Molecular diagnosis of mitochondrial diseases – MELAS

Sinković M, Zrinski Topić R, Barišić N, Barić I, Sertić J

## P16-14

Neinvazivno određivanje spola fetusa iz majčine plazme – usporedba metoda multipleks PCR i PCR u stvarnom vremenu

Noninvasive determination of fetal sex from maternal plasma – comparison of multiplex PCR and real-time PCR

Wagner J, Pavan-Jukić D, Džijan S, Wagner J, Lauc G

## P16-15

Molekularna dijagnostika nasljednih ataksija

Molecular diagnosis of hereditary ataxias

Zrinski Topić R, Mitrović Z, Barišić N, Sertić J

**P16-16**

Asocijacijska studija porasta tjelesne težine i terapijskog odgovora na olanzapin s polimorfizmom gena SERT u shizofrenih bolesnika

Association study of olanzapine-induced weight gain and therapeutic response with SERT gene polymorphisms in female schizophrenic patients

Božina N, Medved V, Sertić J, Rojnić Kuzman M

**P16-17**

Frekvencija polimorfizma S311C gena PON2 u bolesnika s kroničnim bubrežnim zatajenjem

Frequency of PON2 gene S311C polymorphism in patients with chronic renal failure

Grdić M, Barišić K, Rumora L, Salamunić I, Žanić-Grubišić T, Juretić D

**P17: IMUNOLOGIJA / IMMUNOLOGY****P17-1****(UP11-1)**

Analiza stanica bronhoalveolarnog lavata protočnom citometrijom u sarkoidozi

Flow cytometry analysis of bronchoalveolar lavage cells in sarcoidosis

Dobrošević B, Fijačko V, Fijačko M, Pavela J, Cetina N

**P17-2**

Stanični biljezi u sinusnom ispirku astmatičnih i neastmatičnih bolesnika

Cellular markers in sinus fluid of asthmatic and non-asthmatic patients

Bukovec Z, Kalogjera L, Vagić D, Drvić P

**P17-3**

Interleukin-8 (IL-8) i interleukin-10 (IL-10) u bronhoalveolarnom lavatu (BAL) u bolesnika sa sarkoidozom: korelacija s kliničkim parametrima

Interleukin-8 (IL-8) and interleukin-10 (IL-10) in bronchoalveolar lavage (BAL) of patients with sarcoidosis: correlation with clinical parameters

Fijačko M, Fijačko V, Dobrošević B, Pavela J, Cetina N

**P17-4**

Imunofenotipizacija stanica citološkog punktata metodom protočne citometrije

Immunophenotyping of fine needle aspirate cells by flow cytometry method

Kardum-Paro M, Šiftar Z, Nazor A, Kardum-Skelin I, Šušterčić D, Flegar-Meštrić Z, Jakšić B

**P17-5**

Empirijska metoda konverzije rezultata dvaju dijagnostičkih testova za anti-CMV IgG protutijela

Empirical method for conversion of results obtained by two anti-CMV IgG diagnostic tests

Kirinčić D, Zombori D

**P17-6**

Usporedba dviju metoda određivanja imunoglobulina

Comparison of two methods of immunoglobulin determination

Mladina B, Dujmov I, Čepić K, Šupe D, Domić D, Ivelja N

**P17-7**

Dokazivanje plazmatskih proupalnih citokina i čimbenika rasta na mikročipu

Detection of plasma proinflammatory cytokines and growth factors by biochip array

Predragović T, Kozmar A, Benjak V, Sertić J, Malenica B

## P17-8

Uspoređivanje testa AtheNA Multi-Lyte ANA za određivanje autoantitijela s indirektnom imunofluorescencijom i testom ELISA

Comparative analysis of Multiplex AtheNA Multi-Lyte ANA system with conventional laboratory methods of autoantibody detection

Salamunić I, Pauković Sekulić B, Galetović A, Bilopavlović N

## P17-9

Učestalost antikardiolipinskih, antinuklearnih i anti-beta2 glikoproteinskih protutijela u djece s epilepsijom

Frequency of anticardiolipin, antinuclear and anti-beta2 glycoprotein antibodies in children with epilepsy

Sapunar A, Bošnjak N, Markić J

## P17-10

Intolerancija na hranu

Food intolerance

Stanišić L, Rodin Kurtović A

## P17-11

Diagnostička točnost protutijela na mutirani citrulinirani vimentin (anti-MCV) za reumatoidni artritis

Diagnostic accuracy of antibodies against mutated citrullinated vimentin (anti-MCV) for rheumatoid arthritis

Tešija-Kuna A, Žirović M, Topić E, Grazio S, Jajić Z, Perić P, Stipičić-Marković A

## P18: HITNA LABORATORIJSKA DIJAGNOSTIKA / EMERGENCY CLINICAL CHEMISTRY

### P18-1

Spektrofotometrijsko određivanje karboksihemoglobina – usporedba vrijednosti dobivenih na analizatoru NOVA CO-oksometar i spektrofotometrijskom metodom po Bruckneru

Spectrophotometric carboxyhemoglobin determination – comparison of values obtained on a NOVA CO-oximeter and by spectrophotometric method according to Bruckner

Fressl G, Rogić D, Kačkov S, Fuček M

### P18-2

Analitička procjena semikvantitativnog određivanja psihoaktivnih supstancija analizatorom Olympus AU 640

Analytical evaluation of semi-quantitative determination of psychoactive substances on Olympus AU 640 analyzer

Samoščanec K, Vukelić N, Papić-Futac D, Topić E

### P18-3

Analitička procjena aparata GEM Premier 3000

Analytical evaluation of the GEM Premier 3000 instrument

Vukelić N, Papić Futac D, Topić E

## P19: PEDIJATRIJSKA LABORATORIJSKA DIJAGNOSTIKA / PEDIATRIC LABORATORY DIAGNOSTICS

### P19-1

(UP6-1)

Enzimske aktivnosti AP, AST, ALT, LDH i GGT u novorođenčadi i babinjača

Enzyme activities of AP, AST, ALT, LDH and GGT in newborns and puerperae

Koloska V, Adamova G, Dimitrov G, Sapunov S

**P19-2**

Određivanje koncentracije kalprotektina u stolici u diferencijalnoj dijagnostici kroničnih upalnih crijevnih bolesti kod djece

Fecal calprotectin in the differential diagnosis of childhood inflammatory bowel disease

Posega Devetak S, Marš S, Kamhi T, Zupančič M, Orel R

**P19-3**

Vrijednosti kolesterola u djece predškolske dobi

Cholesterol values in preschool children

Bangov-Balić J, Trogrlić M, Ravnić R, Pauro M, Honović L

**P19-4**

Kondenzat izdaha u djece – neinvazivna metoda za praćenje biomarkera u djece s respiracijskim bolestima

Exhaled breath condensate in children – a noninvasive method for monitoring biomarkers in children with respiratory diseases

Dodig S, Vlašić Ž, Plavec D, Turkalj M, Nogalo B, Čepelak I, Živčić J, Zimić L

**P19-5**

Dijagnostička točnost C-reaktivnog proteina, ukupnog broja leukocita, broja trombocita i diferencijalne krvne slike u sepsi novorođenčadi

Diagnostic accuracy of C-reactive protein, total leukocyte count, platelet count and differential blood count in newborn sepsis

Margetić S, Topić E, Gjerek J

**P19-6**

Dijagnostički značaj "klasičnih" biljega neonatalne sepse

Diagnostic value of "classic" markers of neonatal sepsis

Getaldić B, Bubenik V, Gjerek J, Margetić S, Vukelić N

**P19-7**

Vrijednost mjerenja koncentracije masnih kiselina vrlo dugih lanaca u ranom otkrivanju bolesnika i heterozigota za X-vezanu adrenoleukodistrofiju

The value of very long chain fatty acid screening in the early detection of patients and heterozygotes for X-linked adrenoleukodystrophy

Bilić K, Fumić K, Čvorišćec D

**P19-8**

Usporedba reagensa dvaju proizvođača za određivanje vrijednosti C-reaktivnog proteina u nedonoščadi i novorođenčadi

Comparison of reagents from two manufacturers for C-reactive protein determination in preterm and term neonates

Vukelić N, Vukasović I, Topić E

**P20: LABORATORIJSKI INFORMACIJSKI SUSTAVI / LABORATORY INFORMATION SYSTEM**

**P20-1**

Analizator IL GEM Premier 3000 za pretrage uz bolesnika: umreženje i prednosti

IL GEM Premier 3000 POCT analyzer: networking and advantages

Brkljačić V, Šrenger V, Rogić D, Sertić J

**P20-2**

Primjena informacijskih tehnologija u dostavi laboratorijskih nalaza

Use of information technologies in laboratory finding delivery

Šrenger V, Sertić J, Brkljačić V, Rogić D, Majdenić K, Kuleš K

## P21: AUTOMATIZACIJA I ROBOTIKA / AUTOMATIZATION AND ROBOTICS

### P21-1

Automatizirani sustav za sveobuhvatnu analizu mokraće Iris IQ 200 – iskustva nakon godinu dana svakodnevnog rada

Iris IQ 200 fully automated urinalysis system – one-year experience in routine use

Fuček M, Rogić D, Kralik S, Fressl G

### P21-2

Analička procjena plinskog analizatora Gem® Premier™ 3000

Analytical evaluation of the Gem® Premier™ 3000 analyzer

Hrabrić S, Dvornik Š

### P21-3

Analička procjena analizatora ADVIA 1200

Analytical evaluation of ADVIA 1200 analyzer

Peran N, Slavica V, Reškov Ž, Meniga D, Sladić D, Jaram-Pamuković D

## P22: PROCJENA ANALITIČKIH SUSTAVA / EVALUATION OF ANALYTICAL SYSTEMS

### P22-1

(UP4-1)

Epruvete različitih proizvođača i vrijednosti biokemijskih parametara

Use of different test tubes and values of biochemical parameters

Trogrlić M, Bangov J, Ravnić R, Mujagić R, Honović L

### P22-2

(UP4-2)

Određivanje hipoksantina, ksantina i mokraćne kiseline u likvoru tekućinskom kromatografijom visoke djelotvornosti (HPLC)

Determination of hypoxanthine, xanthine and uric acid in human cerebrospinal fluid by high performance liquid chromatography (HPLC)

Aralica M, Trbojević-Čepe M, Lovrić M, Lalić Z

### P22-3

Dugoročna procjena vanjske procjene kvalitete rada za srčane biljege

Long-term evaluation of external quality assessment for cardiac markers

Kardum-Paro MM, Šurina B, Vrhovski-Hebrang D, Perkov S, Flegar-Meštrić Z

### P22-4

Prijeanalitičke pogreške u laboratorijskoj medicini: vrsta i učestalost

Preanalytical errors in laboratory medicine: type and frequency

Brkljačić V, Rogić D, Juričević M, Sertić J

### P22-5

Određivanje koncentracije NT-pro BNP na analizatoru Dimension RXL MAX

Determination of NT-pro BNP on a Dimension RXL MAX analyzer

Čorić J, Jadrić R, Huseinović Š

### P22-6

Iskustvo Zavoda za kliničku kemiju Kliničke bolnice Merkur u međunarodnoj procjeni kvalitete rada iz laboratorijske koagulacije

Our experience in IEQAS-Coagulation: Department of Clinical Chemistry, Merkur University Hospital, Zagreb

Parag G, Flegar-Meštrić Z



**P22-7**

Imunofiksacija – automatizirani sustav Sebia Hydrasys  
Immunofixation – Sebia Hydrasys automated system  
Matišić D, Zamljačanec A

**P22-8**

Procjena rezultata vanjske procjene kvalitete pH, plinova u krvi i ioniziranih elektrolita  
Evaluation of external quality assessment results in acid base and ionized electrolyte analysis  
Perkov S, Flegar-Meštrić Z

**P22-9**

Procjena mjerne nesigurnosti pri određivanju standarda bakra spektrofotometrijskom metodom  
Estimation of measurement uncertainty in the determination of copper standard by spectrophotometric method  
Popović-Matijašec B, Majstorović-Režek J, Flegar-Meštrić Z

**P22-10**

Iskustva Zavoda za kliničku kemiju Kliničke bolnice Merkur u programu međunarodne procjene kvalitete rada u kvalitativnoj analizi mokraće  
Results of international EQA program for qualitative urinalysis at Department of Clinical Chemistry, Merkur University Hospital  
Sikirica M, Flegar-Meštrić Z

**P22-11**

Iskustva vanjske procjene kvalitete rada UKNEQAS u području imunofenotipizacije stanica  
The experience in UKNEQAS External Quality Assessment Scheme for Immunophenotyping  
Šiftar Z, Kardum-Paro MM, Nazor A, Flegar-Meštrić Z

**P22-12**

Vanjska procjena kvalitete u laboratorijskoj hematologiji (IEQAS-H) – dvadeset godina iskustva Zavoda za kliničku kemiju Kliničke bolnice Merkur  
International external quality assessment scheme for hematology – 20-year experience of Department of Clinical Chemistry, Merkur University Hospital  
Nazor A, Flegar-Meštrić Z

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**P23: OSTALO / OTHER**

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**P23-1**

Oksidacijski stres u miševa: učinak kukuruznog ulja i željeza  
Oxidative stress in mice: effect of dietary corn oil and iron  
Domitrović R, Tota M, Hachem A, Taslak J, Zavidic T, Milin Č

**P23-2**

Povezanost koncentracije serumskog kolesterola i suicidalnog ponašanja  
Relationship between serum cholesterol and suicidal behavior  
Ruljančić N, Malić A, Mihanović M

## DRUŠTVENI PROGRAM / SOCIAL PROGRAM

**SRIJEDA, 18. LISTOPAD 2006. / WEDNESDAY, OCTOBER 18<sup>TH</sup>, 2006**

SVEČANO OTVARANJE 18:30  
OPENING CEREMONY DVORANA A / HALL A

KOKTEL DOBRODOŠLICE 20:00  
WELCOME COCKTAIL DVORANA A / HALL A

**ČETVRTAK, 19. LISTOPAD 2006. / THURSDAY, OCTOBER 19<sup>TH</sup>, 2006**

KONCERT U EUFRAZIJEVOJ BAZILICI 20:30 - 22:30  
CONCERT AT BASILICA EUPHRASIANA



*Eufrazijeva bazilika / Basilica Euphrasiana*

Snježana Bosotina – flauta / flute  
Edita Topić-Kopeczky – harfa / harp

<i>M. Marais:</i>	<i>Les folies d Espagne</i>
<i>W. A. Mozart:</i>	<i>Andante</i>
<i>M. Ravel:</i>	<i>Piece en forme de habanera</i>
	<i>Pavane</i>
<i>J. Ibert:</i>	<i>Entr acte</i>
<i>B. Wystraete:</i>	<i>Improvisation et variation</i>
<i>J. Molnar:</i>	<i>Phantasy on theme of Japanese folk songs</i>

**PETAK, 20. LISTOPAD 2006. / FRIDAY, OCTOBER 20<sup>TH</sup>, 2006**

POLUDNEVNI IZLET 13:00 - 20:00  
HALF DAY EXCURSION



*Stup čakovskog sabora*

Upoznat ćemo unutrašnjost Istre - od Pazina, srca Istre, preko Roča Alejom glagoljaša stići u najmanji grad na svijetu - Hum. Izlet završava večerom s istarskom specijalitetima u autohtonom istarskom selu kraj Motovuna. Cijena izleta je 230 kn i nije uključena u kotizaciju. Prijave se primaju prilikom registracije na webu i tijekom kongresa na kongresnoj recepciji.



*Castle of Pazin*

*The Congress will also provide the opportunity to get familiar with the Istrian inland: from Pazin, the heart of Istria, along the Roča Alley of Glagolitic monks you will arrive in the smallest town in the world - Hum.*

*The trip will end with a dinner consisting of Istrian specialties in an original Istrian village near the town of Motovun.*

*The price of the trip, which is not covered by registration fee, is 230 Croatian kunas. You may put your name down for the trip during web registration or during congress at the reception desk.*

## SUBOTA, 21. LISTOPAD 2006. / SATURDAY, OCTOBER 21<sup>TH</sup>, 2006

SVEČANA VEČERA  
GALA DINNER

20:00

Svečanu večeru uz obilje gastronomskih užitaka upotpunit će glazbena skupina "Azzuri" koja je zadužena za dobru zabavu do kasnih noćnih sati. Cijena svečane večere koja će se održati u restoranu hotela Pical je 150 kuna, a prijave se primaju na recepciji hotela do subote, 21. listopada u 18:00 sati.

*A gala dinner with exquisite gastronomic offer will be made even more pleasurable by the Azzuri ensemble that will ensure musical entertainment till late hours. The gala dinner will take place in the Pical hotel restaurant, and Congress participants may register for the dinner (fee per person 150 Croatian kunas) at the hotel reception desk until Saturday, October 21, 6 p.m.*

## NEDJELJA, 22. LISTOPAD 2006. / SUNDAY, OCTOBER 22<sup>ND</sup>, 2006

ZATVARANJE KONGRESA  
CLOSING CEREMONY

12:30 - 13:30

## OPĆE OBAVIJESTI / GENERAL INFORMATION

### MJESTO ODRŽAVANJA KONGRESA / CONGRESS VENUE

HOTEL PICAL - Riviera holding d.d.  
V. Nazora 9, 52440 Poreč, Croatia  
tel. +385 52 408 000  
e-mail: riviera@riviera.hr



### TRAJANJE KONGRESA / CONGRESS DURATION

Kongres započinje registracijom na kongresnoj recepciji 18. listopada 2006. od 10:00, a završava svečanim zatvaranjem 22. listopada 2006. u 12:30.

*Congress begins with registration at the registration desk on October 18th, 2006 at 10:00 and finishes with closing ceremony on October 22nd, 2006 at 12:30.*

### JEZIK / LANGUAGE

Službeni jezici Kongresa su hrvatski i engleski jezik.

*The official languages of the Congress are Croatian and English.*

### REGISTRACIJA POLAZNIKA / REGISTRATION OF PARTICIPANTS

Registracija polaznika započinje u 10:00, srijeda, 18. listopada 2006.

*Registration desk will be opened at 10:00, Wednesday, October 18th, 2006.*

### KOTIZACIJA / REGISTRATION FEE

Visina kotizacije određena je datumom uplate.

*Date of payment determines amount of registration fee.*

	<b>Prije 15. 6. 2006. / Before June 15, 2006</b>	<b>Nakon 15. 6. 2006. / After June 15, 2006</b>
	Kn / EUR	Kn / EUR
Sudionici / Participants	<b>1500 / 200</b>	<b>1850 / 250</b>
Studenti, znanstveni novaci, umirovljenici / Students, scientific novices, retired persons	<b>750 / 100</b>	<b>1100 / 150</b>
Prateće osobe / Accompanying person	<b>500 / 70</b>	<b>500 / 70</b>

Puna kotizacija uključuje:

- kongresne materijale (program, knjigu sažetaka, potvrđnicu, kongresna torba, kongresnu iskaznicu - 'bedž'),
- nazočnost znanstvenim sadržajima Kongresa,
- kave za vrijeme odmora,
- svečano otvaranje s koktelom dobrodošlice i koncert,
- svečano zatvaranje.

Prateće osobe imaju osigurano sudjelovanje na svečanom otvaranju, koncertu u četvrtak i izletu u petak.

# OPĆE OBAVIJESTI / GENERAL INFORMATION

Full registration fee includes:

- Congress materials (program, book of abstracts, certificate, congress bag, congress badge),
- Scientific part of the Congress,
- Coffee breaks,
- Ceremonial opening with welcome cocktail and concert,
- Closing ceremony.

Accompanying person fee includes ceremonial opening with welcome cocktail, concert on Thursday, October 19 and excursion on Friday.

## NAČIN PLAĆANJA / METHOD OF PAYMENT

1. **Na licu mjesta po dolasku na Kongres**
2. **Uplatom putem Opće uplatnice na žiro-račun HDMB:**

Zagrebačka banka, Zagreb - 2360000-1101318371

U rubrici "poziv na broj" na uplatnici obavezno upisati **registracijski broj** dobiven prilikom registracije na www stranicama. Prilikom dolaska na kongresnu recepciju obavezno predložiti potvrdu o uplati!

1. **On site: in Kunas**
2. **Account number for abroad participants:**
  - o **Bank transfer to:** Croatian Society of Medical Biochemists, Domagojeva 2, Zagreb, CROATIA
  - o **IBAN:** HR7123600001101318371
  - o **Obligatory annotate:**
    - "for 5<sup>th</sup> Croatian Congress of Medical Biochemists"
    - your **Registration number**

*It is necessary to have a copy of payment when you arrive to Congress registration desk!*

## RADNO VRIJEME REGISTRACIJSKOG MJESTA / REGISTRATION DESK HOURS

Srijeda 18.10.2006.: 10:00 do 19:00  
Četvrtak 19.10.2006.: 8:00 do 18:30  
Petak 20.10. 2006.: 8:00 do 12:00  
Subota 21.10. 2006.: 8:00 do 18:30  
Nedjelja 22.10. 2006.: 8:00 do 12:00

Wednesday, October 18, 2006: 10:00 to 19:00  
Thursday, October 19, 2006: 8:00 to 18:30  
Friday, October 20, 2006: 8:00 to 12:00  
Saturday, October 21, 2006: 8:00 to 18:30  
Sunday, October 22, 2006: 8:00 to 12:00

## KONGRESNI URED / CONGRESS OFFICE

Za sva predavanja osigurana su osobna (PC) računala s LCD projektorom i programskim paketom Windows®XP / MS Office®XP.

Kongresni ured biti će na raspolaganju svaki dan od 8:00 do 18:30, osim u petak kada će raditi do 12:00.

*Computers (PC) with LCD projector and software package Windows®XP / MS Office®XP are provided for all lectures. Congress office will be available every day from 8:00 to 18:30, except on Friday when it will be open until 12:00.*

## PUTOVNICE I VIZE / PASSPORT AND VISAS

*Visitors to Croatia must have valid passports. Please consult the nearest Croatian consular office for further details.*

## ORGANIZIRANI PRIJEVOZ / TRANSPORTATION ARRANGEMENT

Autobusni prijevoz biti će organiziran za sudionike koji su se prijavili za takav oblik putovanja prilikom registracije. O točnom mjestu i vremenu polaska autobusa svi sudionici biti će detaljno obaviješteni putem elektroničke pošte do 15. listopada.

Cijena povratne autobusne karte iznosi 250 kuna, a cijena karte u jednom smjeru je 150 kuna. Kartu će biti moguće platiti na ulazu u autobus.

# OPĆE OBAVIJESTI / GENERAL INFORMATION

*Bus transportation will be organized for participants who chose it while registering. Participants will be notified of details (meeting-place and exact time) by e-mail until October 15.  
The price of the return bus ticket is 250 kn, while the single ticket is 150 kn. Tickets can be paid on spot before the trip.*

## KONGRESNE ZNAČKE / CONGRESS BADGES

Sudionici su dužni nositi kongresne značke tijekom cijelog trajanja Kongresa. Predavanjima će moći pristupiti samo osobe sa značkama.

*Participants have to wear their badges throughout the Congress. Only participants with badges will be allowed to attend lectures.*

### Boja kongresnih iskaznica:

**Plava** – predavači



**Crvena** – organizatori Kongresa



**Žuta** – sudionici s punom registracijom



**Zelena** – izlagači



### Congress badge colors:

**Blue** – lecturers

**Red** – congress organizers

**Yellow** – full registration participants

**Green** – exhibitors

## POTVRDA O SUDJELOVANJU / CERTIFICATE OF ATTENDANCE

Izdaje se zadnjeg dana Kongresa u registracijskom uredu, a nakon što su podmirena sva dugovanja prema Kongresu.

*Certificates will be issued at the registration desk on the last day of the Congress, after all obligations to the Congress have been settled.*

## BODOVANJE

Sudjelovanje na Kongresu boduje se od strane Hrvatske komore medicinskih biokemičara: (predavači i prvi autori postera – 3 boda, pasivni sudionici – 2 boda).

Sudjelovanje liječnika na Kongresu (aktivno ili pasivno) biti će bodovano prema Pravilniku o sadržaju, rokovima i postupku stručnog usavršavanja i provjere stručnosti liječnika Hrvatske liječničke komore. Potvrdnica će biti naknadno izdana od strane Hrvatske liječničke komore.

## BANK

*Official currency in Croatia is Croatian Kuna (Kn). The official exchange rates:*

*1 EUR = 7.43 Kn\* (September 26, 2006)*

*1 USD = 5.82 Kn\* (September 26, 2006)*

*\*Please note that these rates are variable.*

*Banks and post offices are normally opened from 8:00 AM to 7:00 PM, Monday through Friday. There are also large number of cash machines throughout the town, accepting bank cards and most credit cards.*

## ELECTRICITY SUPPLY

*220 – 240V (50 Hz)*

## POSTERI / POSTERS

Posteri će biti izloženi sve dane trajanja Kongresa na panoima ispred Kongresne dvorane. Svaki pano biti će označen šifrom pripadajućeg postera. Posteri se postavljaju prvi dan Kongresa, a svaki sudionik dužan je skinuti svoj poster na dan zatvaranja.

Mole se autori da u zadano vrijeme budu prisutni kod svojih radova:

Posterska sekcija I (posteri P1-1 do P14-4): četvrtak 19.10.2006. 12:30 – 13:00.

Posterska sekcija II (posteri P15-1 do P23-2): subota 21.10.2006. 12:30 – 13:00.

*During the Congress, posters will be exhibited on boards in front of the Congress Hall. Each board will carry a poster number. Posters should be mounted on boards on the first Congress day, and each poster presenter is obliged to take off the poster on the closing day.*

*Authors are asked to be by their poster at this time:*

*Poster section I (posters P1-1 to P14-4): Thursday, October 19<sup>th</sup> 2006 from 12:30 – 13:00.*

*Poster section II (posters P15-1 to P23-2): Saturday, October 19<sup>th</sup> 2006 from 12:30 – 13:00.*

## TISAK

Svaki sudionik Kongresa dobiti će Knjigu sažetaka kao i Kongresno glasilo s mnogim zanimljivostima o gradu domaćinu, predavačima na Kongresu i mnogim drugima. Svaki dan izlaziće i poseban dnevni dodatak Kongresnom glasilu sa zanimljivostima od prethodnog kongresnog dana kao i s obavijestima o eventualnim promjenama rasporeda.

*Each Congress participant will receive an Abstract book and Congress Papers with numerous curiosities about the host town, Congress lecturers, and many others. A separate daily supplement to the Congress Papers will be published each day of the Congress to report on interesting details of the previous Congress day and provide information on possible changes in the Congress schedule.*

## PREDAVAČI / LECTURERS

Predavači su dužni u odgovarajuću dvoranu dostaviti svoju 'Power point' prezentaciju na CD-u najkasnije 1 sat prije početka simpozija ili radionice.

*Lecturers should provide their Power point presentation on CD to appropriate hall, not later than 1 hour before beginning of the symposium or workshop.*

## IZMJENE U PROGRAMU / PROGRAM CHANGES

Organizatori ne snose odgovornost za promjene u programu nastale zbog objektivnih uzroka.

*Organizers are not responsible for program changes due to objective circumstances.*

## KORISNI TELEFONSKI BROJEVI / USEFUL PHONE NUMBERS

TAXI: +385 (0)52 432 465

Autobusni kolodvor / Bus station: +385 (0)52 432 153

**IZLAGAČI NA KONGRESU / CONGRESS EXHIBITORS**

**A&B**

**Abbott & Oktal Pharma**

**Basler osiguranje**

**Big Blue**

**Biomedica**

**Chrono**

**Dade Behring**

**Herbos dijagnostika**

**Hermes analitica**

**HKO medical system**

**Johnson & Johnson**

**Maritim**

**MD lab**

**Medias**

**Medicina promet**

**Medika**

**MediLab**

**Meding**

**MES**

**Newport medical**

**Olympus**

**Pharmazag (LKB)**

**Roche**

**Simon**

**Skalpeli**



# PLAN GRADA / CITY MAP



Mjesto održavanja /  
Congress venue  
(Hotel Pical)





Tisak: MEDICINSKA NAKLADA  
Zagreb, listopad 2006.

Naklada: 500 primjeraka

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Dizajn i obrada: Mario Štefanović, Nora Nikolac, Marijana Žirović