

2ND EFCC-UEMS CONGRESS
DUBROVNIK 2012, 10-13 OCTOBER
LABORATORY MEDICINE AT THE CLINICAL INTERFACE

2nd European Joint Congress of EFLM and UEMS
"Laboratory Medicine at the Clinical Interface"

7th Congress of the Croatian Society of Medical
Biochemistry and Laboratory Medicine (CSMBLM)

10-13 October 2012, Dubrovnik, Croatia

FINAL PROGRAM

Auspices :

International Federation of Clinical Chemistry and Laboratory Medicine – IFCC
Bernadette Vergnaud (France), Member of the European Parliament



European Federation of Clinical Chemistry and Laboratory Medicine (EFLM, formerly EFCC)
European Union of Medical Specialists Board of Medical Biopathology (UEMS LM-SMB)
Croatian Society of Medical Biochemistry and Laboratory Medicine (CSMBLM)

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“Laboratory Medicine at the Clinical Interface”**

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FACTS ABOUT DUBROVNIK:

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PREPRESS:

Mosler dizajn

PRINT:

*Media Print
Tiskara Hrastić*

Zagreb, 2012

EDITION:

850 copies

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DUBROVNIK



Dubrovnik is a Croatian city on the Adriatic Sea coast in the extreme south of Dalmatia, positioned at the terminal end of the Isthmus of Dubrovnik. It is one of the most prominent tourist destinations on the Adriatic, a seaport and the center of Dubrovnik-Neretva county.

Dubrovnik, the centre of the southernmost region of Dalmatia and its most famous representative, is also the star on the front pages of many prestigious world magazines, as well as being at the very top of

the scale of the most beautiful cities of the world. Year on year it is proving itself as a source of inspiration for artists, a venue favored by members of royal families and the jet setters of the world. It belongs to them, but no more than it belongs to all those who came but once. It is quite simple really; one encounter is enough for those fine threads between you and this glorious city to be spun to last...

“Those who seek paradise on Earth must come to Dubrovnik”, wrote George Bernard Shaw.

Over a thousand year old history of Dubrovnik is visible in every part of this city. The city is a living museum and a live stage, and has an ideal connection between its historical past and the modern day. The southernmost city in Croatia, Dubrovnik was one of the centers of the development of language and literature and was home to many famous poets, playwrights, painters, mathematicians and other scholars. Its gorgeous old town became a UNESCO World Heritage site in 1979, and its charm has attracted tourists who want a taste of the Mediterranean without the crowds. Dubrovnik is a city that charms, a city that you fall in love with and always return to like new, to discover more unique experiences.

Organizers



European Federation of Clinical Chemistry and Laboratory Medicine (EFLM, formerly EFCC)

**European Union of Medical Specialists
Board of Medical Biopathology (UEMS LM-SMB)**

Croatian Society of Medical Biochemistry and Laboratory Medicine (CSMBLM)

Scientific Committee of the 2nd EFLM-UEMS Congress

Gerhard Zlabinger (UEMS, Austria), Chair

Gabor Kovacs (EFLM, Hungary)

Sverre Sandberg (EFLM, Norway)

Ian Frayling (UEMS, United Kingdom)

Ilkka Mononen (UEMS, Finland)

Ana-Maria Simundic (CSMBLM, Croatia)

Elizabeta Topic (CSMBLM, Croatia)

Scientific Committee of the 7th CSMBLM Congress

Tihana Zanic Grubisic (Zagreb, Croatia), Chair

Ivana Cepelak (Zagreb, Croatia)

Zlata Flegar Mestric (Zagreb, Croatia)

Lada Rumora (Zagreb, Croatia)

Ilza Salamunic (Split, Croatia)

Ines Vukasovic (Zagreb, Croatia)

Renata Zadro (Zagreb, Croatia)

Congress Organizing Committee

Ana-Maria Simundic (CSMBLM, Croatia), Chair

Lora Dukic (CSMBLM, Croatia)

Stefica Dvornik (CSMBLM, Croatia)

Manuela Lovric (CSMBLM, Croatia)

Sanja Marevic (CSMBLM, Croatia)

Nora Nikolac (CSMBLM, Croatia)

Andrea Saracevic (CSMBLM, Croatia)

Vic Blaton (EFLM, Belgium)

Lena Norlund (UEMS, Sweden)



Ian D. Watson
President

**European Federation of Clinical Chemistry
and Laboratory Medicine (EFLM)**

Dear colleague,

It is indeed a pleasure to welcome you to the second of the Joint Congresses organised by the European Federation of Laboratory Medicine and Clinical Chemistry (EFLM) and Union of European Medical Specialists Laboratory Medicine section (UEMS) in the delightful setting of Dubrovnik. It is a particular pleasure for EFLM to recognise the effort put in by the Scientific and Organising committees in creating the second Congress which builds on the very successful Congress hosted by our Portuguese colleagues in October 2010 in Lisbon.

The co-operation between the Laboratory Medicine section of UEMS and EFLM is important on many levels, not only for the provision of a quality congress that addresses European facets of laboratory medicine and practice, but also the opportunity it gives us to discuss and consider issues that affect all of us in laboratory medicine and try and develop harmony and understanding within our profession in Europe. We, as organisations, will have the opportunity to debate issues of relevance to both our memberships for the benefit of improving the recognition of educational requirements and achievements.

Our particular thanks go to Gerhard Zlabinger who has organised the Scientific programme and provided us with an excellent array of topical subjects for our consideration and to Ana-Maria Simundic who, as Chair of the organising committee, has taken on the task of organising the meeting along with her colleagues who we also thank and I am sure, given her organisational skills, we will have a very enjoyable and pleasant meeting.

I do hope that you will enjoy the meeting, that you will have the opportunity to meet old friends, make new ones and re-inforce the developing relationship between our two organisations to our mutual benefit, but also have the opportunity to visit the delightful city of Dubrovnik and to enjoy some of the pleasures which this world heritage city offers.

Ian D. Watson
President



Lena Norlund
President

**European Union of Medical Specialists, Board
of Medical Biopathology (UEMS LM-SMB)**

Dear Colleagues,

On behalf of the UEMS, I would like to welcome you to the 2nd European Joint Congress of EFCC and UEMS in collaboration with the Croatian Society of Medical Biochemistry and Laboratory Medicine.

Promoting laboratory medicine is an everlasting and dynamic topic that is driven by the change of disease spectrum, social development, and technical progress. Today, moreover, we cannot forget the economic situation that limits our planned actions. The combined progress of both medical laboratory medicine and biomedical engineering provides a powerful combination to translational medicine, at the clinical interface, based on trans-disciplinary and inter-disciplinary collaboration in addition to information sharing. The 2nd European Congress will hopefully function as a platform for these activities.

Connect with the European Laboratory Medicine Community

Attend the whole Congress and accomplish the following main goals:

- Meet colleagues, peers and experts from around the world, and continue to build on your professional connections. Although we have moved into a digital age dominated by e-mails, twitter and fewer personal communications, such as our old fashioned eye to eye contact, we still need that kind of communication since more than 85% of your language is done by body language to show the finer shade of our meanings and understanding.
- See new science and technology in laboratory medicine diagnostics, automation, information systems, point-of-care, biotechnology and more from all the exhibitors on the show floor. Furthermore, it is an ideal opportunity to meet with all laboratory medicine related trade exhibitors. To organize a successful and extremely well attended congress, like our last, this is only achievable by the active participation and generous support that we have always received from our loyal sponsors, exhibitors and delegates.

- Keep up-to-date on the latest trends and advances happening in laboratory medicine at the clinical interface and learn what we know about the future. With so many educational opportunities in lectures, plenary sessions, symposia, pro and con sessions, and not to forget coffee talks, you can design an educational experience that best meets your own professional needs.

This congress has a broad spectrum of scientific lectures covering the clinical interface's all angles. What I want to draw attention to is the Poster sessions. Do not forget to attend and learn about our fields most brand new ideas to meet our younger colleagues who are slowly taking over from us. Make a new friend. Beyond classic plenary lectures and symposia, educational sessions are supplemented by interactive pro-con sessions. This is the second thing you cannot miss: make your voice heard!

The congress also has a special Croatian cultural touch. At the opening ceremony, beside all speeches, the Croatian Music Society St. Cecilia will perform a traditional knightly sword dance, and we will be entertained by a Croatian a capella ensemble, Ragusa. The get-together party will be held within the Monastery of St. Clarissa at the entrance to the Old Town and the Croatian singer Goran Karan will entertain us.

With your head full of new information and new ideas, would it not be a good idea to stroll around the beautiful city of Dubrovnik to let it all sink in. In this relaxed state you might find new inspiration for future projects, who knows?

We look forward to welcoming you at our meeting and I hope to have the pleasure to meet with you in person.

Lena Norlund
Madam President

DUBROVNIK CITY WALLS



Dubrovnik's unique appearance, famous the world over, has much to do with the old city walls. These are 1940 metres in length and encompass the entire Old Town. They comprise a series of fortifications, bastions and towers.

The walls were built in the period from the 13th to the 17th century in order to defend Dubrovnik from its enemies. The main land-facing wall is between 4 and 6 metres in width, while the sea-facing wall is a little narrower, between 1.5 and 3 metres. Its

height is as great as 25 metres in some places and at key points there are fortifications.

It holds many beautiful forts and fortresses, most famous being Minceta, Revelin, St. John, Bokar and the separated Lovrijenac.



Ana-Maria Simundic
President

**Croatian Society of Medical Biochemistry
and Laboratory Medicine (CSMBLM)**

Dear participants and guests,

On behalf of the Croatian Society of Medical Biochemistry and Laboratory Medicine and its members, I would like to warmly welcome you to the 2nd EFLM-UEMS European Joint Congress - Laboratory Medicine at the Clinical Interface which takes place together with the 7th Croatian Congress of Medical Biochemistry and Laboratory Medicine, in this beautiful city of Dubrovnik.

Organizing a Congress like this one requires knowledge, tireless effort and hard work by many individuals. I take this occasion to express my deepest gratitude and appreciation to all of them for the efforts they have invested in making this Congress a success.

I wish to acknowledge the contribution of the Scientific Committee for delivering such a challenging scientific program. We hope that you will enjoy their selection of topics and presenters as well as the interactive and stimulating atmosphere of this meeting.

My special thanks go to the Organizing Committee for their wonderful work and efforts in making this conference a reality.

I hope you will enjoy your stay in Dubrovnik!

Ana-Maria Simundic
President

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ODG Diagnostics

Bronze sponsor



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Other sponsors



Abbott Laboratories, Zagreb, Croatia
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Scientific program

	Wednesday, 10 October 2012	Thursday, 11 October 2012	Friday, 12 October 2012	Saturday, 13 October 2012
9.00				
10.00		PL1 coffee break	PL2 coffee break	S13
11.00	Registration	S1 S2 S3	S7 S8 S9	S14 S15 coffee break
12.00				PL3
13.00		PD ISW	PD ISW	Closing Ceremony
14.00	Pre-Congress CSMBLM Symposium	S4 S5 S6	S10 S11 S12	
15.00				
16.00		coffee break	coffee break	
17.00	Registration	PC1 PC2	PC3 PC4	
18.00				
19.00	Opening Ceremony			
20.00	Welcome cocktail	Get together party		

PL – Plenary Lectures
 S0-S15 – Symposia
 PC1-PC4 – Pro and Contra Sessions

ISW – Industry Sponsored Workshops
 PD – Poster Display



Velimir Srića

Professor of Management, University of Zagreb,
Faculty of Business and Economics

Contact: vsrica@efzg.hr;
velimir.srica@delfin.com.hr

Key note speaker

Education: BBA, University of Zagreb, M.Sc. (Electrical Engineering), MBA, Columbia University, New York, PhD, University of Zagreb

Fields of expertise: Leadership & Strategic Management; Innovation Management; Information Technology & Information Systems Management; Organizational Culture and Behavior

Professional and political activities:

- University Professor (Management, IT Management)
- Director, Croatian Information Technology Institute
- Minister of Science and Technology, member of Croatian Government
- President of the Commission for Technological Cooperation within Alps-Adriatic
- Honorary member of Croatian Helsinki Committee
- Member of The Club of Rome, Croatian chapter
- President of Zagreb city assembly, elected city council member
- Management consultant to regional and international companies (Coca Cola, INA, DHL, Banca Intesa, NEXE group, LURA, Ericsson, Krka, Gorenje, Podravka, Henkel, IskraTel, FINA, Nova Ljubljanska banka etc.)

International academic activities

- Visiting professor at UCLA (University of California at Los Angeles), Visiting professor at the Renmin University in Beijing, Visiting professor at the Technical University in Budapest (MBA), Maribor University (MBA), Sarajevo University (MBA), Montenegro University (PhD Programme)

Prizes and awards

- Fulbright scholarship, Eisenhower fellowship, Strossmayer Award, Golden pen – Croatian Journalist Society and other

Other

- Author of fifty three books, more than 300 scientific and expert papers and a few hundred articles in magazines
- Published a novel (Private Investigations, Zagreb, 2002), a book of poetry (Various Games, Zagreb 1999), a collection of political essays (From Crisis to Vision, Zagreb, 1989) and a strategic book (Croatia 2020, Zagreb 2011)
- Fluent in English, speaks French, Italian, Slovenian and Russian
- Father of three sons, Dario, Davor and Luka and daughter Lana

Congress hall Mistral; Section B

13.15-16.00	Pre-congress CSMBLM symposium: External Quality Assessment for medical-biochemistry laboratories in Croatia Chair: Zlata Flegar–Meštrić (Zagreb, Croatia)
13.15-13.40	Interlaboratory comparisons in laboratory medicine - implementing the requirements of HRN EN ISO/IEC 17043 Zlata Flegar–Meštrić <i>Zagreb, Croatia</i>
13.40-14.05	Statistical evaluation of proficiency testing scheme results in laboratory medicine Višnja Gašljević <i>Zagreb, Croatia</i>
14.05-14.20	Benefits of the new EQA programme for medical biochemistry laboratories in Croatia Vanja Radišić-Biljak <i>Zagreb, Croatia</i>
14.20-14.35	Evaluating participant performance in general medical biochemistry - standardization of creatinine measurements Sonja Perkov <i>Zagreb, Croatia</i>
14.35-14.50	Evaluating participant performance in hormone analysis (TSH) Koraljka Đurić <i>Zagreb, Croatia</i>
14.50-15.05	The role of EQA in implementation of the HbA1c Global harmonization project in Croatia Marijana Vučić Lovrenčić <i>Zagreb, Croatia</i>
15.05-15.20	Postanalytical phase as a modul in EQA – experiences in laboratory haematology Aida Nazor <i>Zagreb, Croatia</i>
15.20-16.00	Discussion

Congress hall Mistral; Sections A, B, C

18.00-20.00	Opening ceremony
18.00-18.40	Welcome address
18.40-19.25	Key note lecture: Management of change Velimir Srića <i>Zagreb, Croatia</i>

PL1: Preventive, predictive and personalized medicine - where are we?

Chair: Michael Neumaier (Mannheim, Germany)



Olga Golubnitschaja
Bonn, Germany

Olga Golubnitschaja has studied journalism, biotechnology and medicine – all diplomas with excellent marks; later she was awarded with several fellowships for biotechnological and medical research in Paediatrics and Neurosciences (Medical Centres in Austria, Russia, UK, Germany, The Netherlands, and Switzerland). Prof. Golubnitschaja is one of the best cited scientists in the research fields of “gene hunting” and “subtractive hybridisation” applied to predictive prenatal & postnatal diagnostics published as O. Labudova in years 1990-2000. Prof. Golubnitschaja is an expert in molecular diagnostics actively publishing in the fields of perinatal diagnostics, Down syndrome, diabetes mellitus, hyperhomocysteinemia, cardiovascular disease, neurodegenerative and TAU pathologies, cancer. Olga Golubnitschaja is the cofounder of the theory of multipathway organ related blood

fingerprinting with specific molecular patterns at epi/genomic, transcriptional and post/translational levels, author of fundamental works in integrative medicine. Prof. Golubnitschaja is an active Professor at several European Universities and in International Programmes for Personalised Medicine and author of more than 300 international peer-reviewed publications in the field; awards: National & International Humboldt-Fellow; Highest Prize in Medicine and Eiselsberg-Prize in Austria. Prof. Golubnitschaja is Secretary-General of the “European Association for Predictive, Preventive & Personalised Medicine” (EPMA in Brussels, www.epmanet.eu), Editor-in-Chief of “The EPMA-Journal” (BMC in London); Member of Editorial Board in several international journals dedicated to medicine or/and biotechnologies; Book Editor of “Predictive Diagnostics & Personalised Treatment: Dream or Reality”, NSP, New York 2009; Book Co-editor “Personalisierte Medizin”, Health Academy, Dresden 2010; Book Series Editor “Advances in Predictive, Preventive & Personalised Medicine”, Springer 2012–; European Representative in the “Early Detection Research Network”, EDNRN at the NIH / NCI, <http://edrn.nci.nih.gov/>; Advisor and Evaluator of projects dedicated to personalised medicine at the EU-Commission in Brussels and NIH/NCI, Washington D.C., USA, International Foundations and National Ministries of Health / Education / Science and Technology.



Maurizio Ferrari
Milan, Italy

Maurizio Ferrari, M.D., is Full Professor of Clinical Pathology, University Vita-Salute San Raffaele, Director of Clinical Molecular Biology and Cytogenetics Laboratory (from 1997), and Head of Genomic Unit for the Diagnosis of Human Pathologies, Center for Translational Genomics and Bioinformatics, IRCCS San Raffaele, Milan, Italy (from 1988).

He received his Degree in Medicine and Surgery with full marks at the Milano University in 1974, Specialization in Pediatrics at the Milan University in 1977, Specialization in Hematology at the Milan University in 1980 and Specialization in Medical Genetics at the Catania University in 1991. He was Post-doc at Hospital Paul Brousse, Villejuif, Paris in 1975 and Honorary Registrar in Haematology at University College Hospital, London in 1979.

He served as Assistant at the Laboratory of Clinical Research, Istituti Clinici di Perfezionamento, Milan (1975-1987), then as Vice-Director of Clinical Chemistry Laboratory, Chief of Molecular Diagnosis Laboratory and Prenatal Diagnosis Service, IRCCS H. San Raffaele, Milan (1988-1997).

He was Scientific Coordinator of Clinical Research, IRCCS San Raffaele, Milan (1996-1999), and Chairman of Committee on Clinical Molecular Biology Curriculum (C-CMBC) of IFCC (2002-2007).

He is Chairman of the Education and Management Division (EMD) of IFCC (from 2012), member of IFCC Task Force on Pharmacogenetics (IFCC TF-PG, from 2008), advisor of CLSI Committee on Molecular Methods, and National partner of European Molecular Genetics Quality Network (EMQN).

He was Co-President of the International IFCC-WordLab Congress (Firenze 1999) and Chairman of the Scientific Committee of the 1st International Congress of Clinical Molecular Biology (CMB) (Firenze 1999).

He received in 2004 the IFCC-Abbott Award for significant contributions in molecular diagnostics.

His scientific interests are oriented mainly on molecular diagnostic methods, nucleic acid circulating in maternal plasma, molecular studies of several genetic pathologies as eye diseases, neurological diseases, cardiac arrhythmia diseases, iron metabolism and haematological diseases.

He developed methods for DNA analysis as multiplex PCR and capillary electrophoresis also in a temporal thermal gradient, set up a method involving the ligase chain reaction (LCR) and developed a new method known as double-gradient DGGE (DG-DGGE) for the identification of unknown mutations. In the last 4-5 years he has focused his research activity on the detection of foetal DNA in maternal plasma for non-invasive prenatal diagnosis and for diagnostic application in the genetic and oncology field. At present his research is focused on the development of diagnostic tests with the application of microelectronic chip technology and next generation sequencing.

He is author of 780 publications: 200 in peer reviewed journals, 63 in other journals, 1 book, 45 book chapters and 471 abstracts at international and national congresses.

Congress hall Mistral; Sections A, B, C

09.00-10.00	PL1: Preventive, predictive and personalized medicine - where are we? Chair: Michael Neumaier (Mannheim, Germany)
09.00-09.30	Predictive, preventive and personalized medicine: where are we now? Olga Golubnitschaja <i>Bonn, Germany</i>
09.30-10.00	Recent technology towards predictive, preventive and personalized medicine Maurizio Ferrari <i>Milan, Italy</i>
10.00-10.30	Coffee break

Congress hall Mistral; Section A

10.30-12.00	S1: Can we predict the outcome in critically ill patients? Chair: Ana-Maria Šimundić (Zagreb, Croatia)
10.30-10.55	Ionized or pH corrected calcium – what to report? Geoffrey S. Baird <i>Seattle, WA, USA</i>
10.55-11.20	Glucose regulation in ICU patients: Do's and Dont's Jack JM. Ligtenberg <i>Groningen, The Netherlands</i>
11.20-11.45	Can lactate-guided therapy improve the outcome in critically ill patients? Georg-Christian Funk <i>Vienna, Austria</i>
11.45-11.50	Oral presentation: Serum neuron-specific enolase and procalcitonin as predictors of survival in comatose cardiac-arrest Francisco José Illana Cámara <i>Madrid, Spain</i>
11.50-11.55	Oral presentation: Prealbumin: nutritional marker in intensive care patients? Isabel Cachapuz <i>Oporto, Portugal</i>
11.55-12.00	Discussion

Congress hall Mistral; Section B

10.30-12.00	S2: Kidney biomarkers and formulas Chair: Istvan Wittman (Pecs, Hungary)
10.30-10.55	Estimating glomerular filtration rate Pierre Delanaye <i>Liege, Belgium</i>
10.55-11.20	New kidney biomarkers Petar Kes <i>Zagreb, Croatia</i>
11.20-11.45	Microalbuminuria: immunoassay and/or HPLC? Istvan Wittmann <i>Pecs, Hungary</i>
11.45-11.50	Oral presentation: Interpretation of cardiac markers in end stage renal disease patients in hemodialysis (HD) Kristin Aakre <i>Bergen, Norway</i>
11.50-11.55	Oral presentation: Markers of the obesity and inflammation in patients with metabolic syndrome and on dialysis Ivana Čelap <i>Zagreb, Croatia</i>
11.55-12.00	Discussion

Congress hall Mistral; Section C

10.30-12.00	S3: The bleeding patient Chair: Antonio Robalo Nunes (Lisbon, Portugal)
10.30-10.55	Disseminated intravascular coagulation - clinical approach and lab orientation Penelope Paraskevopoulou <i>Athens, Greece</i>
10.55-11.20	The use of new thromboelastography technologies in critically bleeding patients Per Johansson <i>Copenhagen, Denmark</i>
11.20-11.45	Laboratory assessment of bleeding risk Lorenzo Alberio <i>Bern, Switzerland</i>
11.45-12.00	Discussion

Congress hall Mistral; Section A

12.15-13.15 Industry sponsored workshop 1: Abbott Laboratories

Role of the laboratory in preventing and monitoring of renal disease

Congress hall Mistral; Section B

12.15-13.15 Industry sponsored workshop 2: Roche d.o.o. ODG Diagnostics

Elecsys Troponin T hs Assay – The Biomarker You Can Trust

Congress hall Mistral; Section C

12.15-13.15 Industry sponsored workshop 3: Beckman Coulter

Women's Health and the role of Anti-Mullerian Hormone

12.15-14.00 Poster display

Congress hall Mistral; Section A

14.00-15.30 S4: Myeloproliferative neoplasms: diagnosing and molecular monitoring of targeted therapies

Chair: Renata Zadro (Zagreb, Croatia)

14.00-14.25 **Chronic myeloid leukemia – diagnostics and treatment according to ELN recommendations**

Martin M. Mueller
Mannheim, Germany

14.25-14.50 **Measuring response to bcr-abl inhibitors in chronic myeloid leukemia - importance of standardization of molecular monitoring**

Renata Zadro
Zagreb, Croatia

14.50-15.15 **Classification and diagnostics of Philadelphia negative myeloproliferative neoplasms**

Rajko Kušec
Zagreb, Croatia

15.15-15.20 **Oral presentation: Copper deficiencies simulating a myelodysplastic syndrome**

Aurelia Gallego
Sevilla, Spain

15.20-15.30 **Discussion**

Congress hall Mistral; Section B

- | | |
|-------------|--|
| 14.00-15.30 | S5: The inflamed gut
Chair: Gerhard Zlabinger (Vienna, Austria) |
| 14.00-14.25 | Microbial sensing and epithelial function in IBD pathogenesis
Dirk Haller
<i>Munich, Germany</i> |
| 14.25-14.50 | Is the disease course predictable through biomarkers in inflammatory bowel disease?
Peter Laszlo Lakatos
<i>Budapest, Hungary</i> |
| 14.50-15.15 | Biological therapy for ulcerative colitis beyond anti-TNF
Mark Löwenberg
<i>Amsterdam, The Netherlands</i> |
| 15.15-15.30 | Discussion |

Congress hall Mistral; Section C

- | | |
|-------------|---|
| 14.00-15.30 | S6: Early detection of COPD: biochemical mechanism revisited
Chair: Lada Rumora (Zagreb, Croatia) |
| 14.00-14.25 | COPD heterogeneity - clinical phenotypes
Sanja Popović-Grle
<i>Zagreb, Croatia</i> |
| 14.25-14.50 | Biomarkers based on pathophysiology
Robert Stockley
<i>Birmingham, UK</i> |
| 14.50-15.15 | Epithelial cells alarm the immune system in COPD
Antoon JM. van Oosterhout
<i>Groningen, The Netherlands</i> |
| 15.15-15.20 | Oral presentation: MMP-9 and TIMP-1 concentrations in plasma of patients with chronic obstructive pulmonary disease
Anita Somborac Bačura
<i>Zagreb, Croatia</i> |
| 15.20-15.30 | Discussion |
| 15.30-16.00 | Coffee break |

Congress hall Mistral; Section A

- | | |
|-------------|---|
| 16.00-17.00 | PC1: Pharmacogenetics in predicting anti-cancer therapy response
Chair: Elizabeta Topić (Zagreb, Croatia) |
| 16.00-16.20 | Pharmacogenetics in predicting anti-cancer therapy response – pro
Ron van Schaik
<i>Rotterdam, The Netherlands</i> |
| 16.20-16.40 | Pharmacogenetics in predicting anti-cancer therapy response – contra
Philip Quirke
<i>Leeds, UK</i> |
| 16.40-17.00 | Discussion |

Congress hall Mistral; Section B

- | | |
|-------------|---|
| 16.00-17.00 | PC2: Laboratory screening for thrombophilia - some important dilemmas
Chair: Sandra Margetić (Zagreb, Croatia) |
| 16.00-16.20 | Pro's and con's of thrombophilia testing: pro's
Gualtiero Palareti
<i>Bologna, Italy</i> |
| 16.20-16.40 | Pro's and con's of thrombophilia testing: con's
Samuel Machin
<i>London, UK</i> |
| 16.40-17.00 | Discussion |

FORTRESS LOVRIJENAC



Located at the western side of the Town outside the City Wall at a 37 meters high cliff. It dominates, both the sea and the land entrances to the Town from the west. According to old scripts it was built in only three months. Today its interior is one of the most dignified stages in Europe, a well-known place for Shakespeare's Hamlet performances. Above the entrance is a famous Latin inscription: *Non bene pro toto libertas venditur auro* ("Liberty is not well sold for all the gold").



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- **measure independently** of the day of the menstrual cycle⁵

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ISW3
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** Ovarian hyperstimulation syndrome

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PL2: Laboratory medicine online

Chair: Ilkka Mononen (Turku, Finland)



Esa Soini

Tampere, Finland

Esa Soini has over 40 years of experience in Computer Science, Medical Informatics, and Health Care Information Systems. Currently Esa Soini is the Chairman of the Board of Mylab Healthcare Technology (Beijing) Co., Ltd., China. Since 1993 Esa Soini has been the CEO of Mylab Corporation, the leading vendor of clinical laboratory information services in Finland. During 1986-93 Esa Soini was working within Science Applications International Corporation (SAIC) holding key positions in U.S. Department of Defense Comprehensive Health Care System (CHCS) program, the largest health care information system initiative ever. Before that Esa Soini was responsible for the information systems of Helsinki University Central Hospital, one of the world's largest hospitals at that time.

Esa Soini has several academic degrees from Helsinki University of Technology: Master of Science in Technology (1974), Licentiate in Technology (Advanced Degree, 1979), and Master of Business Administration (1997).



Robert D. Dufour

Washington, DC, USA

Dr. Dufour is currently a Consultant, Pathology and Hepatology, at the Veterans Affairs Medical Center, Washington DC, and Emeritus Professor of Pathology, George Washington University. After graduating from the Medical College of Wisconsin, he completed residency training in Anatomic and Clinical Pathology at the National Naval Medical Center in Bethesda, MD. He is board certified in Anatomic and Clinical Pathology as well as in Chemical Pathology. He has published over 200 peer-reviewed papers, abstracts, and book chapters, and has been lead editor on 9 books, with a major emphasis on liver disease and endocrine testing. He has been involved in training residents in Pathology as well as fellows in Gastroenterology and Endocrinology. He is Executive Editor of the patient education website Lab Tests Online (www.labtestsonline.org), and a member of several editorial boards, and currently serves as Treasurer of AACC. He has received numerous educational awards, including the 2012 College of American Pathologists Excellence in Education Award, the 1999 AACC Outstanding Contributions in Education Award, and the 2004 Edward Rhodes Stitt Lectureship of the Association of Military Surgeons of the United States.

Congress hall Mistral; Sections A, B, C

09.00-10.00 PL2: Laboratory medicine online
Chair: Ilkka Mononen (Turku, Finland)

09.00-09.30 **Health literacy on laboratory tests**
Robert D. Dufour
Washington, DC, USA

09.30-10.00 **Mobile technology and the laboratory information services**
Esa Soini
Tampere, Finland

10.00-10.30 Coffee break

Congress hall Mistral; Section A

10.30-12.00 S7: Osteoporosis: investigations, fracture risk assessment and monitoring of treatment. A symposium sponsored by the Asian Pacific Federation of Clinical Biochemistry.
Chair: Howard Morris (Adelaide, Australia)

10.30-10.55 **Diagnostics of osteoporosis and fracture risk assessment**
Vladimir Palicka
Prague, Czech Republic

10.55-11.20 **Bone turnover markers in management of osteoporosis**
Devika Thomas
Adelaide, Australia

11.20-11.45 **Vitamin D status and osteoporosis: evidence for a role in hip and non-vertebral fractures, optimal levels and treatment targets**
Howard Morris
Adelaide, Australia

11.45-11.50 **Oral presentation: Comparison of total 25-OH vitamin D automated immunoassays versus LC-MS/MS**
Cristina Bausela Gómez
Madrid, Spain

11.50-11.55 **Oral presentation: Vitamin D mediated inhibition of cancer: Do cytokines play a role?**
Sudhesna Mohapatra
New Delhi, India

11.55-12.00 **Discussion**

Congress hall Mistral; Section B

- | | |
|-------------|--|
| 10.30-12.00 | S8: Laboratory genetics - The critical importance of genotype and phenotype, and their correct interpretation
Chair: Ian M. Frayling (Cardiff / Caerdydd, UK) |
| 10.30-10.55 | MODY: which gene/s to test?
Sian Ellard
<i>Exeter, UK</i> |
| 10.55-11.20 | The challenges of molecular genetic testing in inherited cardiomyopathy
Kate Thomson
<i>Oxford, UK</i> |
| 11.20-11.45 | Familial hypercholesterolaemia: genetic testing helps, but should be used with care
Joep C. Defesche
<i>Amsterdam, The Netherlands</i> |
| 11.45-11.50 | Oral presentation: ABCG2 gene variant and fluvastatin adverse drug reactions in renal transplant recipients
Nikica Mirošević Skvrce
<i>Zagreb, Croatia</i> |
| 11.50-11.55 | Oral presentation: Genotyping of 13 α-thalassaemia point mutations using primer extension reaction and dipstick assay
Margarita Petropoulou
<i>Athens, Greece</i> |
| 11.55-12.00 | Discussion |

Congress hall Mistral; Section C

- | | |
|-------------|---|
| 10.30-12.00 | S9: The poisoned patient
Chair: Gabor L. Kovacs (Pecs, Hungary) |
| 10.30-10.55 | Modern methods in clinical and analytical toxicology
Thomas Grobosch
<i>Berlin, Germany</i> |
| 10.55-11.20 | Quantification in individualized emergency toxicology
Donald R.A. Uges
<i>Groningen, The Netherlands</i> |
| 11.20-11.45 | The health risk of recreational drugs
David Michael Wood
<i>London, UK</i> |

Friday, 12 October, 2012

- 11.45-11.50 **Oral presentation: Multi-drug intoxication fatality involving atorvastatin: a case report**
Norbert Cibicek
Olomouc, Czech Republic
- 11.50-12.00 **Discussion**

Congress hall Mistral; Section A

12.15-13.15 Industry sponsored workshop 4: Abbott Laboratories

Lean Six Sigma - application in Healthcare

12.15-14.00 Poster display

Congress hall Mistral; Section A

- 14.00-15.30 S10: Education of specialists in laboratory medicine in Europe
Chairs: Lena Norlund (Karlstad, Sweden), Ian Watson (Liverpool, UK)
- 14.00-14.20 **EU perspective in medical specialization**
Bernard Maillet
Groot-Bijgaarden, Belgium
- 14.20-14.40 **Education and training activities in EFLM**
Tomas Zima
Prague, Czech Republic
- 14.40-15.00 **The evaluation/revision of the European Directive on professional qualifications: Implications for “Specialists in Laboratory Medicine”**
Simone Zerah
Bagnolet, France
- 15.00-15.20 **Can we harmonize laboratory medicine in Europe?**
Wytze Oosterhuis
Heerlen, The Netherlands
- 15.20-15.30 **Discussion**

Congress hall Mistral; Section B

- 14.00-15.30 S11: Stroke biomarker
Chair: Ana-Maria Šimundić (Zagreb, Croatia)
- 14.00-14.25 **Stroke biomarkers – the (near) future?**
Mira Katan
Basel, Switzerland

- 14.25-14.50 **The significance of uric acid levels in stroke patients treated with thrombolysis**
Sergio Amaro
Barcelona, Spain
- 14.50-15.15 **Are admission serum lipids predictive of the stroke outcome?**
Slaven Pikija
Maribor, Slovenia
- 15.15-15.20 **Oral presentation: Serum uric acid levels and its association with coronary artery disease: an Indian Cohort Study**
Saswati Das
New Delhi, India
- 15.20-15.25 **Oral presentation: New way of endothelial dysfunction research: flow cytometry testing of circulating endothelial cells**
Olga Sirotkina
St. Petersburg, Russia
- 15.25-15.30 **Discussion**

Congress hall Mistral; Section C

- 14.00-15.30 S12: Diagnosing and monitoring of DM with POCT instruments
Chair: Sverre Sandberg (Bergen, Norway)
- 14.00-14.25 **Presuppositions for using POC instruments to diagnose and monitor persons with diabetes mellitus**
Sverre Sandberg
Bergen, Norway
- 14.25-14.50 **The role of POC instruments for diagnosing and monitoring u-albumin in persons with diabetes mellitus**
Philippe Gillery
Reims, France
- 14.50-15.15 **Glucose self monitoring by POCT systems with special emphasis on the Italian recommendations**
Andrea Mosca
Milano, Italy
- 15.15-15.20 **Oral presentation: Performance of Nova StatStrip point of care blood glucose meter in a neonatal intensive care unit**
Kristina Tendle
Vienna, Austria
- 15.20-15.30 **Discussion**
- 15.30-16.00 Coffee break

Congress hall Mistral; Section A

16.00-17.00 PC3: Screening for bowel cancer - FOBT, FIT and/or FLEXI-SIG?

Chair: Ian M. Frayling (Cardiff / Caerdydd, UK)

16.00-16.20 **Laboratory screening for bowel cancer**

Stephen Halloran
Surrey, UK

16.20-16.40 **Endoscopic screening for bowel cancer**

Wendy Atkin
London, UK

16.40-17.00 **Discussion**

Congress hall Mistral; Section B

16.00-17.00 PC4: Does accreditation improve patient outcome?

Chair: Ines Vukasović (Zagreb, Croatia)

16.00-16.20 **Pro - Laboratory accreditation - where is the real benefit for the patients?**

Ines Vukasović
Zagreb, Hrvatska

16.20-16.40 **Contra - Laboratory accreditation - where is the real benefit for the patients?**

Mathias M. Müller
Vienna, Austria

16.40-17.00 **Discussion**

STRADUN



The famed Dubrovnik Stradun, or its official name Place, is the favourite walking area for all the people of Dubrovnik, especially the young, and for tourists from all over the globe. The biggest, longest and widest street in Dubrovnik, the Stradun dates back to the 13th century, while the uniform houses that line it were mostly built in the 17th century. It connects the Pile Gates (western entrance) and the Ploce Gates (eastern entrance). The street is 958 feet

(292 metres) long and is the commercial, entertainment and spiritual centre of Dubrovnik. The shiny, slippery, marble-paved Stradun is the main walkway of Dubrovnik's Stari Grad, and the best place to get a feel for the 'pulse' of Dubrovnik.

PL3: How to approach malnutrition from laboratory point of view?

Chair: Ilkka Mononen (Turku, Finland)



Walter Nützenadel
Mannheim, Germany



Alastair Forbes
London, United Kingdom

1956-1963 Medical Schools, Universities: Heidelberg, Berlin, Kiel
1963-1965 General Medical training: various Hospitals in Germany
1965-1969 Pediatric Training: Children`s Hospital University of Heidelberg
1969-1973 Training Pediatric Gastroenterology and Research Metabolic Disease-Diagnosis and Neonatal Screening
1973-1974 Research Fellow and Junior Professor Biochemical Laboratory, Children`s Hospital, Mc Gill University, Montreal, Kanada - Field of Interest: Metabolic Diseases, Transport of Amino-acids and Small Peptides in Gut, Kidney and Muscle
1980 Professor of Pediatrics
1975-2001 Children`s Hospital University of Heidelberg – Main Field of Clinical Work: Pediatric Gastroenterology, Chronic Inflammatory Diseases, Nutrition; Main Field of Research: Pre- and Postnatal Development of Intestinal Amino-acid and Dipeptide Transport, Nutrition and Growth in Inflammatory Bowel Disease
2003-2008 Director of Children`s Hospitals University of Heidelberg, Medical Faculty, Mannheim

Alastair Forbes is Professor of Gastroenterology and Clinical Nutrition at University College Hospital and University College London. He was previously consultant at St. Mark`s Hospital, in London, and has been Education Lead for the European Society for Nutrition and Metabolism (ESPEN), Secretary of the British Society of Gastroenterology, and Chairman of the British Association for Parenteral and Enteral Nutrition. He is an associate editor of Clinical Nutrition. His interests lie mainly in intestinal failure, inflammatory bowel disease, and intestinal regeneration. He has written more than 190 original papers, over 120 review articles, and contributes to many national and international guidelines.

Congress hall Mistral; Section A

09.00-10.30	S13: Pre-pre and post-post analytical aspects: communication between laboratory and clinicians Chair: Sverre Sandberg (Bergen, Norway)
09.00-09.25	Improving preanalytical, analytical and post-analytical phase by EQUAS – examples Aasne Karine Aarsand <i>Bergen, Norway</i>
09.25-09.50	Important quality indicators for the pre-analytical phase Ana-Maria Šimundić <i>Zagreb, Croatia</i>
09.50-10.15	Standardization and harmonization of quality indicators in the pre- and postanalytical phase Mario Plebani <i>Padova, Italy</i>
10.15-10.30	Discussion

Congress hall Mistral; Section B

09.00-10.30	S14: Obesity: from genetic loci to early indicators Chair: Gabor L. Kovacs (Pecs, Hungary)
09.00-09.25	Genetic loci and body mass index Aila Rissanen <i>Helsinki, Finland</i>
09.25-09.50	The obese adolescent: conclusions of the HELENA study Denes Molnar <i>Pecs, Hungary</i>
09.50-10.15	The value of obesity research Jean-Michel Oppert <i>Paris, France</i>
10.15-10.20	Oral presentation: Adipocyte fatty acid binding protein and cardiovascular risk in women with overweight/obesity Grazyna Sypniewska <i>Bydgoszcz, Poland</i>
10.20-10.25	Oral presentation: Determining the concentration of the hormone leptin and ghrelin in the treatment of obese people Gorana Mirošević <i>Zagreb, Croatia</i>
10.25-10.30	Discussion

Congress hall Mistral; Section C

- | | |
|-------------|---|
| 09.00-10.30 | S15: New trends in laboratory medicine
Chair: Ilkka Mononen (Turku, Finland) |
| 09.00-09.25 | Next generation sequencing for clinical diagnostics
Olli-Pekka Kallioniemi
<i>Helsinki, Finland</i> |
| 09.25-09.50 | Population screening for genetic disorders in the 21st century
Martina Cornelia Cornel
<i>Amsterdam, The Netherlands</i> |
| 09.50-10.15 | Towards fast microbiology
Jordi Vila
<i>Barcelona, Spain</i> |
| 10.15-10.30 | Discussion |
| 10.30-11.00 | Coffee break |

Congress hall Mistral; Sections A, B, C

- | | |
|-------------|--|
| 11.00-12.00 | PL3: How to approach malnutrition from laboratory point of view?
Chair: Ilkka Mononen (Turku, Finland) |
| 11.00-11.30 | Failure to thrive in childhood and the laboratory
Walter Nützenadel
<i>Mannheim, Germany</i> |
| 11.30-12.00 | How to approach adult malnutrition from laboratory point of view?
Alastair Forbes
<i>London, UK</i> |
| 12.15-13.00 | Closing ceremony and poster awards |

Closed meetings

Wednesday, October 10, 2012

Congress hall Mistral; Section C

09.00-17.00	UEMS - European Union of Medical Specialists, Section of Medical Biopathology
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Friday, October 12, 2012

Congress hall Mistral; Section C

17.30-19.30	EFLM - General Assembly
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Saturday, October 13, 2012

Zephyros Hall

09.30-11.30	EFLM - Professional Committee
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11.30-13.30	EFLM - EC4 Foundation Board
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15.00-18.00	EFLM - EC4 Register Commission
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Sunday, October 14, 2012

Boreas Hall

08.00-09.00	EFLM - WG: ISO/CEN and Accreditation
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09.00-10.00	EFLM - WG: IVD Directive
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10.00-12.00	EFLM - WG: Biological Variation
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Scirocco Hall

08.30-10.30	EFLM - Education and Training Committee
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10.30-12.30	EFLM - WG: Congresses and Postgraduate Education
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Gregale Hall

09.00-16.00	EFLM - WG: Cardiac Markers
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Levantera Hall

09.00-17.00	EFLM - Executive Board
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Zephyros Hall

10.00-12.00	EFLM - WG: Guidelines
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Tramontana Hall

10.00-12.00	EFLM - WG: Distance Education Programmes/E-Learning
12.00-14.00	EFLM - Public & Professional Relations Committee

Monday, October 15, 2012

Levantera Hall

09.00-12.00	EFLM - Executive Board
13.00-18.00	EFLM - WG: Test Evaluation

Tuesday, October 16, 2012

Levantera Hall

09.00-17.00	EFLM - WG: Test Evaluation
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ONOFRIO'S FOUNTAINS



Big Onofrio's Fountain

Located at the open space right to Pile gate. It is a 16-sided drinking fountain built by Onofrio de la Cava (1438 - 1444). The Fountain is part of the town's water supply system which Onofrio managed to create by bringing the water from the well in Rijeka Dubrovacka. The well is located 20 km from Big Onofrio's Fountain and this construction was a masterpiece of that time.



Small Onofrio's Fountain

Built by Petar Martinov in 1441 in the shape of an octagonal basin with defaced sculptural panels, from which rises a 'baroque-Gothic' column recalling the fountains of Viterbo.

Social program

Wednesday, 10 October, 2012

18.00-20.00

Opening ceremony

Opening ceremony and Welcome cocktail will be held at Hotel Rixos.

At the opening ceremony Croatian Music Society St. Cecilia will perform traditional knightly sword dance.



Croatian Music Society St. Cecilia from Korčula follows the tradition of the first Croatian singing society in Dalmatia founded in 1883. It was reorganised in 1991 and beside the traditional sword dance *Moreška* from Korčula it cherishes traditional Croatian a cappella and choir singing as well as folk dances from the island of Korčula. Its most festive event is on July 29 on the Day of the Town Korčula and the Celebration of Town Patron St. Theodore. The Society has yearly 50 performances in Korčula and other places in Croatia and internationally. The Society's guidelines have always been: "... to enrich hearts of local youth by learning and cherishing the Croatian folk singing, to incite their feelings towards their mother tongue and Croatian customs, to plant a firm belief into their soul that they are obliged to maintain and defend national values, to feel home in their own country and to treat any foreign person as their guest, according to old Croatian customs." (From the Rulebook of the Society from 1883).

Moreška is a knightly sword dance which originates from Mediterranean around 12th century. The name *Moreška* comes from Moors – Moriscos, what is also present in Spanish adjective *morisco* and in Italian one *moresco*. It is assumed that the first *Moreška* dance was performed in Lerida, Spain in 1150 in a memory of Moors dislodgement. Similar sword dances had been spread until the end of 14th century throughout the Catholic Europe.

The first records of *Moreška* date from 1273 in Trogir and since 15th century this dance has been performed every year in Korčula.



20.00-21.00

Welcome cocktail

After the Opening ceremony a Welcome cocktail will be served and our dear guests will be entertained by Croatian a cappella ensemble Ragusa.



Croatian a cappella ensemble Ragusa (Klapa Ragusa) was founded in July 1977. During thirty years of its successful work the Klapa Ragusa has accomplished to impose its talent to the Croatian music production as a special ensemble for a cappella singing. Building their style on a synthesis of Dalmatian tradition and Dubrovnik singing with elements of modern interpretation, Klapa Ragusa has become recognisable as well outside its home town. Beside the enthusiasm and talent of ensemble members the fact that they had decided for songs of modern music authors, among which the most important is maestro Đelo Jusić, has assuredly contributed to its recognisable sound. Exactly in his songs this klapa shows its optimal performing abilities. Klapa Ragusa has performed on a variety of significant events in Croatia and internationally, participated in receptions for national and foreign politicians, in promotions of prominent national cultural institutions and was engaged in tourism promotion.

Klapa Ragusa performed successfully in Germany, France, Austria, the Netherlands, Belgium, Bulgaria, Slovenia, Italy, USA, Sweden, Norway, Slovak Republic, Hungary, Czech Republic, Malta and Montenegro.

Opening Ceremony and Welcome Cocktail are free for all registered participants.

ORLANDO'S COLUMN



Orlando's Column is situated in front of the baroque St. Blaise (Sv. Vlaho) church. It was built by Bonino di Milano in 1419. The medieval gothic quadric-angular engraved stone statue of the young knight Roland in armour with a shield and a raised sword in his right hand symbolises the independence of Dubrovnik. From the top of the column a flag of the Republic with the image of St. Blaise, the patron saint, used to stand proudly. The length of the knight's elbow used to present the Dubrovnik length measuring unit, the so-called 'lakat' ('elbow') – 51.2 centimetres.

Social program

Thursday, 11 October, 2012

20.00-23.00

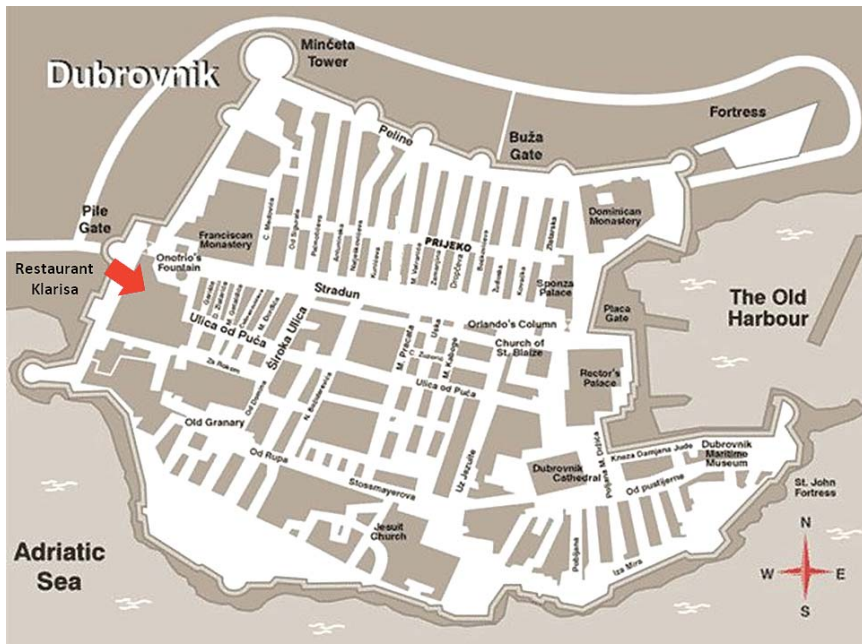
Get-together party

Get-together party will be held at Restaurant Klarisa located within the Monastery of St. Clarissa at the entrance to the Old Town *via* Pile city gate. During the Get-together party guests will be entertained by a famous Croatian singer **Goran Karan**.

Monastery of St. Clarissa in Dubrovnik is situated southern of the Pila Gate beside the Dubrovnik City Walls on Poljana Paska Miličevića. It is the most famous of eight women's monasteries in Dubrovnik.

The monastery was built at the end of 13th and the beginning of the 14th century. Due to its reputation it was one of the most important women's monasteries in the Republic of Ragusa. In 1432 an orphanage for abandoned children was opened in one part of the monastery. Children would be taken care of until they were 6 after which they would be adopted by well-situated families. The orphanage in the Monastery of St. Clarissa was one of the first institutions of that kind in the world. In 1667 the monastery was significantly damaged due the earthquake of catastrophic proportions. It was renovated by the municipal government.

After Napoleon's conquest of Dubrovnik French government turned the monastery into horse stable and ammunition storage. After the World War II the monastery was adapted to a restaurant and an open air cinema. Today its purpose is multiple. In its cloister there is a restaurant while in the rest of the monastery the Roman Catholic Diocese of Dubrovnik has its premises.



Restaurant Klarisa is certainly one of the most beautiful locations in the historical centre of Dubrovnik. Restaurant Klarisa, previously known as Restaurant Jadran, opened in 2011 after complete reconstruction. The restaurant offers healthy and tasty Mediterranean food accompanied by the wine card with a wide selection of indigenous brands of superior Croatian and foreign wines.



Goran Karan, Croatian singer, was born in April 1964. In the 1980's he has started his career as a musician in various bands: „Epicentar, Deveti krug, Zippo and Big Blue. In 1995 as a vocal leader of Big Blue he received the award for the best rock song of the year for the song *Priznaj mi*. In the same year he accepted the lead role in a musical *Sarajevski krug*. The album *Sarajevski krug*, the Big Blue's first album, was released in Croatian and English version and the group toured successfully in Austria, Germany, Italy, France and USA (three concerts).

At the beginning of 1997 Goran started his solo career and in 1998 he won at Music festival in Zadar (Zadarfest) with the song *Kazna mi je što te ljubim*. At the end of 1998 he starred in Vienna in the lead male role in musical *Rock It* in the theatre *Ronacher* in a production compiled of eight the most popular musicals from the 1960's until now like *Jesus Christ Superstar*, *Grease*, *Hair*, *Tommy* and other.

So far Goran has performed on a variety of significant concerts. With the show *Sarajevski krug* he performed eight times in the *Concert Hall Vatroslav Lisinski* in Zagreb, twice in *Posthof* in Linz and in *Theater an der Wien* in Vienna.

Goran has participated in the *World Culture Festival* taking place on 2-3 March 2011 on the *Olympiastadion* in Berlin having his song *All the Colours of the Rainbow* elected for the theme song and the central event of the Festival. A great number of musicians participated in the recording of the song which was recorded in 16 studios on 3 continents with participation over 500 musicians.



The price for the Get-together party is 25 EUR. Tickets include dinner (standing buffet) and concert.

Tickets are available at on-line Congress registration or on-site at Congress registration desk.

Posters

Posters will be displayed in two time periods:

- **Thursday, October 11, 2012** (these posters can be mounted from Thursday, October 11, 2012, from 8.00 hours and removed by Thursday, October 11, 2012, by 18.00 hours)
- **Friday, October 12, 2012** (these posters can be mounted from Friday, October 12, 2012, from 8.00 hours and removed by Friday, October 12, 2012, by 18.00 hours)

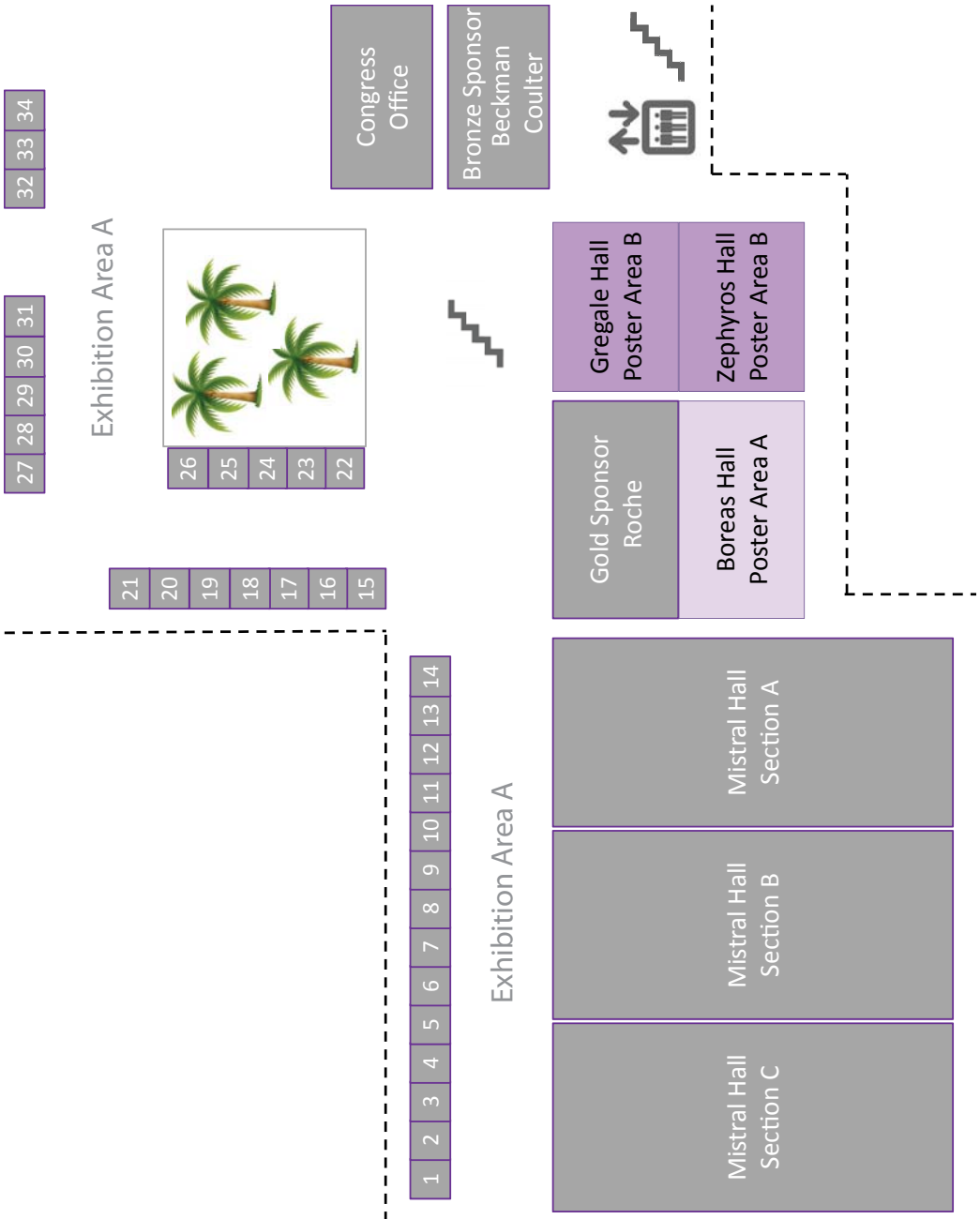
Posters will be displayed on specified boards. Each board will carry a poster number. Board size is 1 m (width) x 2 m (height). Preferable poster size is 70 x 100 cm.

During the Thursday, 11 October and Friday, 12 October, in a period of 12.15-14.00 hours a Poster Walk will be organized in the poster area. One poster author should be present at the poster site and will have 5 minutes to present the work to the Poster Committee.

Poster Committee will award 10 poster prizes. If author is not present at the poster site, respective poster will not be considered for the poster prize. First prize (1000 EUR), and 9 Second prizes (500 EUR each). Awards will be given at the Closing ceremony, on Saturday, 12 October, 2012.

Schedule of poster displays is presented in the table:

Poster topic	Day	Poster area
P01 – Accreditation and laboratory management	Friday, October 12, 2012	Poster area A (Boreas hall)
P02 – Cardiovascular diseases	Thursday, October 11, 2012	
P03 – Clinical chemistry 1	Thursday, October 11, 2012	
P04 – Clinical chemistry 2	Friday, October 12, 2012	
P05 – Diabetes mellitus	Friday, October 12, 2012	
P06 – Education	Friday, October 12, 2012	
P07 – Endocrinology	Friday, October 12, 2012	
P08 – Evaluation of analytical systems	Thursday, October 11, 2012	
P09 – Haematology 1	Thursday, October 11, 2012	
P10 – Haematology 2	Friday, October 12, 2012	
P11 – Immunology	Thursday, October 11, 2012	
P12 – Kidney diseases	Thursday, October 11, 2012	
P13 – Lung, liver and gastrointestinal diseases	Friday, October 12, 2012	Poster area B (Gregale & Zephyros hall)
P14 – Microbiology - Infection	Thursday, October 11, 2012	
P15 – Molecular diagnosis 1	Thursday, October 11, 2012	
P16 – Molecular diagnosis 2	Friday, October 12, 2012	
P17 – Oncology - Tumor marker 1	Thursday, October 11, 2012	
P18 – Oncology - Tumor marker 2	Friday, October 12, 2012	
P19 – Pregnancy	Thursday, October 11, 2012	
P20 – Renal replacement	Friday, October 12, 2012	
P21 – Toxicology and TDM	Friday, October 12, 2012	
P22 – Vitamin D - PTH	Thursday, October 11, 2012	



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Lot Exp: 08-2012
Printed: 09-20-11
Page: 1
Unity

	Level 1		Level 2		Level 3	
	Min	Max	Min	Max	Min	Max
Mean	36.01	36.07	141.3	141.6	289.3	290.2
SD	0.89	1.23	0.98	0.98	2.11	4.32
CV	2.4	3.4	1.4	0.8	0.7	1.5
Photo	0.7	0.6	0.6	0.6	0.4	0.4
Photo-OD	0.2	0.2	0.2	0.2	0.2	0.2
Photo-SD	0.27	0.09	0.36	0.27	0.16	0.13
Photo-SD	0.24	0.23	0.36	0.27	0.24	0.20
*Plans	014	059	016	059	014	016

- Immunoassay & Tumor Marker Controls
- Serum Chemistry Controls
- Urine Chemistry Controls
- Immunology & Protein Controls
- Coagulation & Hematology Controls
- Drugs-of-Abuse Controls
- Therapeutic Drug Monitoring Controls
- Cardiac Assessment Controls
- Diabetes / Hemoglobin Controls
- Specialty Controls
- Infectious Disease Controls
- Molecular Controls
- Unity Interlaboratory Program
- External Quality Assurance Services (EQAS)

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P01 - Accreditation and laboratory management

P01-01	Increasing profitability of a specialized medical biochemistry laboratory	Buljanovic V, Patajac H, Petroveckii M
P01-02	Six sigma in clinical laboratory: analytical process management – focus on reduction of response time	Ribeiro R, Sousa MJ, Sousa JG, Sousa G
P01-03	Development of the balanced scorecard of a software program for the management of quality indicators	De La Torre Fernandez J, Soriano Bueno G, Cazalla Martin F, Navajas Luque F, Rodriguez Peña F, Guzman Gonzalez A
P01-04	Artificial urine – possibility or a good try	Culej J, Nikolac N, Krajačić-Karas G, Šturm D
P01-05	Accreditation according to standard UNE-EN-ISO 15189: 2007. Evaluation of a program in biochemistry	Cazalla Martin F, Soriano Bueno G, De La Torre Fernandez J, Navajas Luque F, Sanchez-Montes Moreno S, De La Torre Navarrete J
P01-06	Information systems implementation: impact on the pre analytical phase of laboratory work	Fuček M, Šrenger V, Rako I, Zekušić M, Alpeza Viman I, Sertić J
P01-07	Structured handoff at shift change in a clinical laboratory	de Jonge N, Ballieux B, Schenk P, Cobbaert C
P01-08	Effects of laboratory automation – report from a university hospital subjected to great changes	Skinningsrud A
P01-09	Rationalization of spenditure in laboratory department in primary health care system in Serbia	Milatovic Jezdic V, Mitrovic J
P01-10	Microsoft Access database management of laboratory accreditation	Štefanović M, Vukasović I, Nikolac N, Čelap I
P01-11	Do we meet quality specifications based on biological variation?	Čelap I, Vukasovic I, Vrkic N
P01-12	Patient safety in the clinical laboratory: an analysis of patient/specimen identification errors	Cuadrado-Cenzual M, Maciñeira F, Alvarez C, Ortega I, Alguacil A, Arroyo M
P01-13	Risk management in laboratory. Failure models and effects analysis of identification patient errors	Cuadrado-Cenzual M, de Gracia Y, Maciñeira F, Alvarez C, Guessous A, Arroyo M
P01-14	Risk management in medical laboratory. Applying root cause analysis of patient and specimen errors	Cuadrado-Cenzual M, Maciñeira F, Torrubia B, Guessous A, de Gracia Y, Arroyo M
P01-15	IRATA - program for managing off-balance sheet warehouse	Zaninović L, Tiljak-Srna V, Alpeza Viman I, Fuček M, Sertić J

P02 – Cardiovascular diseases

P02-01	CETP, LDL particle size and intima media thickness in patients with coronary heart disease	Tosheska-Trajkovska K, Labudovic D, Jovanova S, Jaglikovski B, Alabakovska S
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P02-02	NT-proBNP in anthracycline-induced cardiotoxicity in children	Grzunov A, Leniček-Krleža J, Obuljen J, Žižić V, Stepan-Giljević J, Kapitanović S
P02-03	Cardiac biomarkers for monitoring patients with percutaneous coronary intervention	Skitek M, Kranjec I, Jerin A
P02-04	Unexpectedly elevated cardiac Troponin I level in the patient without acute coronary syndrome: a case report	Hrabric Vlah S, Sokolić J, Medved I, Dvornik Š
P02-05	Levels of oxidized low density lipoproteins (oxLDL) and IgG autoantibodies against oxLDL in the sera	Balatskaya N, Budzinskaya M, Goldina N, Michajlova M, Parsunkova K
P02-06	The association of inflammatory mediators and transient ischemic attack	Dukić L, Šimundić AM, Martinić-Popović I, Lovrenčić-Huzjan A, Šerić V
P02-07	Role of hemostatic and other markers in patients with coronary artery disease	Bozovic D, Dragnic S, Nikolic V
P02-08	Serum uric acid levels and its association with coronary artery disease: an Indian Cohort Study	Das S, Gupta SK, Girish MP, Ray PC
P02-09	Matrix metalloproteases and their inhibitors in the treatment by omega-3 polyunsaturated fatty acids	Gaikovaya L, Kukharchik G, Krapivka N, Nesterova N, Khushvaktova N, Vavilova T
P02-10	Oxidative stress in hypertension induced congestive heart failure patients in Nigeria	Akinosun O, Sule Z
P02-11	New way of endothelial dysfunction research: flow cytometry testing of circulating endothelial cells	Sirotkina O, Feoktistova V, Topuzova M, Khushvaktova Z, Lipunova A, Vavilova T
P02-12	Correlation between two methods for determination of cardiac troponin I	Ille K, Spasić Obradović G, Mitrović J, Milatović Jezdić V
P02-13	Biomarkers of inflammation and angiographic score in patients with peripheral arterial disease	Perkov S, Flegar-Meštrić Z, Vidjak V, Novačić K, Slavica M, Kavur L
P02-14	Differences in phenotyping heart failure patients- hsTroponin I versus hsTroponin T	Farinha R, Martins S, Silva N, Frieos F, Bettencourt P, Guimaraes J
P02-15	Serum superoxide dismutase activity: A potential biomarker of atherogenesis	Mujagic R, Crnokrak S, Županić D
P02-16	Serum neuron-specific enolase and procalcitonin as predictors of survival in comatose cardiac-arrest	Illana F, Castillo C, Fuentes M, Ortega M, Arroyo M

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P03-01	The importance of the clinical state for successful collection of sweat sample in children	Matica J, Aralica M
P03-02	Relationship between gamma-glutamyltransferase levels with alcohol consumption in a young population	Abreu R, Leitão M, Almeida A, Bellém F, Cardoso V, Pinto A
P03-03	Prealbumin: nutritional marker in intensive care patients?	Cachapuz I, Lobo L, Noronha M, Lopes E, Amaro A, Granja C, Alves V

P03-04	Plasma homocysteine and cerebrospinal fluid biomarkers in patients with Alzheimer's disease	Petek Tarnik I, Katušić Hećmović S, Malnar M, Trkanjec Z, Bukovec Megla Ž
P03-05	One-step whole blood fluorometric emission scan method for diagnosis of cutaneous porphyrias	Kurt I, Ozturk O, Sertoglu E, Tapan S, El-Fawaer S, Bilgi C
P03-06	Impact of inflammation on high density lipoprotein function in polycystic ovary patient	Gidwani S, Phelan N, McGowan A, Gibney J, Young I, McEneny J
P03-07	Optimum cut-off value of salivary melatonin to discriminate between ADHD children and a control group	Gorritz-Pintado S, Pitarch-Castellano I, Orts-Costa JA, Puertas-Cuesta FJ
P03-08	Dim Light Melatonin Onset assessed with only two timed salivary samples	Orts-Costa J, Pitarch-Castellano I, Tárrega-Roig E, Puertas-Cuesta F
P03-09	Thrombocyte serotonin and serum cholesterol concentration in depressed patients	Ruljancic N, Mihanovic M, Cepelak I
P03-10	Effect of melatonin administration on lipid peroxide and antioxidant levels in tissues of SHR	Kitagawa A, Ohta Y
P03-11	Adipocyte fatty acid binding protein and cardiovascular risk in women with overweight/obesity	Sypniewska G, Mankowska-Cyl A, Bergmann K, Rajewski P
P03-12	Determining the concentration of the hormone leptin and ghrelin in the treatment of obese people	Posavec L, Krpan R, Nikolić M, Mirošević G, Bukovec Megla Ž, Stančić V
P03-13	Elevation of urinary porphyrins after prolonged sedation with Propofol. Fact or interference?	Castillo Perez C, Illana Camara F, Torrejon M, Velasco G, Ferrero J, Arroyo M
P03-14	Glutathione peroxidase and reduced glutathione levels depend on aging	Cinar E, Bilgin R, Yalcin S
P03-15	Acute intermittent porphyria induced by valproate: a clinical case.	Garcia Moreira V, Fernandez Leivas A, Garcia Alonso S, Martinez Gago M, Laborda Gonzalez B, Fernandez Rodriguez E

P04 – Clinical chemistry 2

P04-01	Evaluation of new point of care blood gas system Rapidpoint 500	Baršić I, Brkljacic V, Rogic D, Sertic J
P04-02	Evaluation of the Enterprise Point of Care meter (EPOC) for the emergency ward	Buurman S, Heringhaus C, Schenk P, Cobbaert C
P04-03	Performance of Nova StatStrip point of care blood glucose meter in a neonatal intensive care unit	Tendle K
P04-04	A large-scale randomized clinical trial on the effectiveness of reflective testing in primary care	Verboeket-van de Venne W, Kleinveld H, Oosterhuis W
P04-05	Microdialysis-based biosensors in experimental and clinical research	Cibicek N, Vacek J, Hrbac J, Zivn H, Mandak J, Ulrichova J
P04-06	Pitfalls in measurement of lysosomal enzymes using dried blood spots on filter paper	Brzak M, Bilić K, Fumić K

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P04-07	Clinical evaluation and etiologies of prolonged jaundice in IVF born neonates	Mehrotra V, Saini P
P04-08	Influence of the assay for measuring serum albumin on level of corrected calcium (CaC) concentration	Garcia Moreira V, Martinez Gago M, Fernandez Leivas A, Bachiller Sister M, Llorente Torres A, Fernandez Rodriguez E
P04-09	Performance of the StatStrip POCT analyzer in detecting hypoglycaemic episodes in diabetic patients	Vučić Lovrenčić M, Radišić Biljak V, Božičević S, Car N
P04-10	Implementation of blood gas analysis POCT network in an Italian Health Organization with 3 hospitals	Bianchi V, Camurati C, Casalecchi M, Perticone V, Arfini C
P04-11	Method validation for quantifying cobalt in serum by electrothermal atomic absorption spectrometry	López-Lozano L, Palazón-Bru I, Morales-Bayle C, Palazón-Bru A, González-Estecha M, Arroyo-Fernández M
P04-12	Method validation for quantifying chromium in serum by electrothermal atomic absorption spectrometry	Palazón-Bru I, López-Lozano L, Palazón-Bru A, González-Estecha M, Arroyo-Fernández M
P04-13	Palladium as a universal matrix modifier for ETAAS technique in biological samples	Palazón-Bru I, López-Lozano L, Trasobares-Iglesias E, González-Estecha M, Arroyo-Fernández M
P04-14	Diagnostic odds ratio as a single indicator of PCT performance in different clinical settings	Fernandez Rodriguez E, Barros Garcia C, Garcia Alonso S, Fernandez Garcia E
P04-15	Serum copper, ceruloplasmine and zinc concentrations in a hospital working population	Castillo Perez C, González-Estecha M, Diaz Diaz A, Trasobares E, Morales C, Arroyo M

P05 – Diabetes mellitus

P05-01	Comparison of HbA1c results by two immunoturbidimetric methods	Gugo K, Kelava I, Tandara L, Salamunić I
P05-02	Renal tubular markers for predicting early stage diabetic nephropathy in patients with type I diabetes	Shabani M
P05-03	IL-12 concentrations in the aqueous humor and serum of diabetic retinopathy patients	Sapunar A, Gverovic Antunica A, Karaman K, Rodin Kurtovic A, Bosnjak N
P05-04	Evaluation of obesity influence on lipid profile in type II diabetes mellitus	Leitão M, Almeida A, Bellém F, Renato A, Apolónio J, Medeiros R
P05-05	Non-HDL cholesterol as a predictor of impaired glucose metabolism	Bergmann K, Sypniewska G
P05-06	HbA1c – Portuguese EQAS Schemes (2003-2011)	Faria A, Correia H, Brito C, Gomes M
P05-07	Vitamin D levels and its relationship with fasting glucose in pregnancy	Illana F, Castillo C, Perez N, Bausela C, Gaviña B, Torrejon M

P05-08	Implications of variable preanalytical procedures for the diagnosis of diabetes mellitus in Croatia	Vučić Lovrenčić M, Božičević S, Radišić Biljak V, Mesić R, Poljičanin T, Metelko Ž
P05-09	Use of urinary protein:creatinine ratio in advanced stages of chronic kidney disease in diabetes	Radišić Biljak V, Božičević S, Pavković P, Vučić Lovrenčić M
P05-10	Relationship between PAI and CRP in diabetic patients	Milić M, Marošević L, Paradinović K, Šerić V
P05-11	Tissue transglutaminase antibodies and HLA haplotypes in type 1 diabetic Lithuanian children	Skrodeniene E, Vitkauskienė A, Sadauskaitė-Kuehne V, Bilbao J, Padaiga Z, Ludvigsson J
P05-12	Bariatric surgery treatment for type 2 diabetes	Mirošević G, Kruljac I, Nikolić M, Butorac D, Ljubičić N, Vrkljan M

P06 – Education

P06-01	Do we need complex education courses in special fields of laboratory medicine?	Vavilova T, Sirotkina O, Gaikovaya L
P06-02	Preparing medically oriented education of scientific staff in line with the EC4RC syllabus	Wallinder H, Pettersson T, Ohlsson M, Bökman F, Olsson L, Gälman C
P06-03	Education in laboratory medicine at Lithuanian university of health sciences	Urbonienė D, Skrodenienė E, Vitkauskienė A
P06-04	Transnational Project: Developing Good Practice in Preregistration Training (UK & Malta)	Martin J, Wilson G, Adkins A, Cobley A, Hudson J, Khan A

P07 – Endocrinology

P07-01	Indirect estimation for reference intervals of thyroid parameters	Milinkovic N, Ignjatovic S, Majkic-Singh N
P07-02	Does TSH within normal range affect bone turnover in postmenopausal women with osteoporotic fracture	Sypniewska G, Pater A, Nowacki W
P07-03	Serum calcium: much more than “bones”	Cachapuz I, Branco A, Silva S, Magalhaes C, Costa M
P07-04	Tear cytokines in Basedow-Graves ophthalmopathy	Kozegi T, Meiszterics Z, Mezosi E, Ludany A, Kovacs G
P07-05	Determination of total prolactin and prolactin treated with 25% PEG	Županić D, Crnokrak S, Mujagić R, Honović L
P07-06	Reference intervals for reproductive hormones in prepubertal children on the Cobas e 411 analyzer	Zec I, Tišlarić-Medenjak D, Bukovec Megla Ž
P07-07	Seasonal variation of neonatal thyrotropin values	Gligorovic Barhanovic N, Samardzic M, Cutovic N, Antunovic T
P07-08	Relationship between body mass index, mercury and selenium levels in a hospital working population	Morales C, González-Estecha M, Diaz Diaz A, Trasobares E, Castillo Perez C, Arroyo M
P07-09	Is there any justification in the increasing demand for thyroid tests in our laboratory?	Fernandez Leivas A, Garcia Moreira V, Peredo Lopez B, Martinez Gago M, Garcia Alonso S, Fernandez Rodriguez E

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P07-10	Diagnostic value of anti-thyroglobulin antibodies in the detection of thyroid pathology in children	Fernandez Leivas A, Garcia Moreira V, Blanco Cristobal C, Martinez Gago M, Garcia Alonso S, Fernandez Rodriguez E
P07-11	Testosterone quantification in human serum using liquid chromatography with tandem mass spectrometry	Depoorter M, Djuidjé C, Delongie K, Wallemacq P, Gruson D, Haufroid V
P07-12	Pheochromocytoma biochemical diagnosis	Ferreira M, Titonel S, Rego M, Reguengo H
P07-13	Comparison of the results of HPLC methods for determination of methanephine and normethanephine from urine and blood plasma considering the diagnosis of tumor pheochromocytoma	Brabcová Vránková A, Widimský Jr. J, Zelinka T, Škrha J

P08 – Evaluation of analytical systems

P08-01	Evaluation of the Sysmex UF-1000i urinalyzer	Pinter E, Toth J, Konderák J
P08-02	Evaluating performance of Cobas c311 and Cobas c501 in the emergency laboratory setting	Lapić I, Lukić I, Kutnjak V, Fressl Juroš G, Rogić D
P08-03	Analytical performance of the OC-Sensor DIANA immunochemical faecal occult blood test	Halloran S, Pearson S, Piggott C, Young M
P08-04	Evaluation and validation of the Cobas 6000 analyzer series modules c501: the urine analytes	Šimičević L, Cigula Kurajica V, Vogrinc Ž, Sertić J
P08-05	Differences between bromcresol green and bromcresol purple measured albumin	Garcia Moreira V, Martinez Gago M, Fernandez Leivas A, Bachiller Sister M, Laborda Gonzalez B, Fernandez Rodriguez E
P08-06	Sodium measurements in urine by the patient at home: primary limitations overcome	Schenk P, Romijn F, Kolb R, Cobbaert C
P08-07	Evaluation and validation of the Cobas 6000 analyzer modules c501: the routine serum analytes	Šimičević L, Cigula Kurajica V, Vogrinc Ž, Sertić J
P08-08	Normalized MEDx chart – useful tool for quick assessment of multiple method performance	Šupak Smolčić V, Bilić-Zulle L
P08-09	Evaluation of haematological analyzer Cell Dyn Ruby	Šega M, Perbil Lazič K, Lokar L
P08-10	Overestimation of albumin (bromcresol green method): influence of acute-phase serum globulins	Garcia Moreira V, Martinez Gago M, Laborda Gonzalez B, Fernandez Leivas A, Llorente Torres A, Fernandez Rodriguez E
P08-11	Comparison of sodium values between emergency and routine biochemical laboratory	Fernandez Leivas A, Garcia Moreira V, Martinez Gago M, Marcos Corona L, Garcia Alonso S, Fernandez Rodriguez E
P08-12	Analytical evaluation of the new random access bench top analyser RX daytona plus	Brown M, McGivern P, O'Neill G, Campbell J, Fitzgerald S

P08-13	The performance of Cobas c311 in stat laboratory	Kutnjak V, Rogić D, Fressl Juroš G
P08-14	Comparison of Emerald and CELL-DYN 1800 for white blood cells and granulocytes in oncology patients	Mittel K, Supak Smolcic V, Dvornik S
P08-15	Body fluids automated cell count: a comparison study between Sysmex XE-5000 and Siemens ADVIA 2120i	Rego M, Titonel S

P09 – Haematology 1

P09-01	Verification of CD34+ stem cell analysis according to ISHAGE protocol on Beckton Dickinson FACSCanto	Sokolić I, Šiftar Z, Kardum Paro M, Flegar Meštrić Z
P09-02	Copper deficiencies simulating a myelodysplastic syndrome	Gallego A, Vera J, Peral E, Martín J, Bermudo C, Fábregas M
P09-03	Multiple myeloma: a case report	Cachapuz I, Branco A, Paiva A, Magalhaes C, Costa M
P09-04	Which value can be used as a positivity threshold for Large Unstained Cells on Advia to make slides?	László K, Patonai Z, Kellner V, Fekete M
P09-05	Role of P-selectin glycoprotein ligand-1 (PSGL-1) during G-CSF treatment in a mouse model	Misztli Blasius K, Felszeghy S, Hevessy Z, Kappelmayer J
P09-06	Usefulness of red cell indices in differentiating microcitic anemias	Pavela J, Fijačko M, Dobrošević B, Paradinović K, Šerić V
P09-07	A method of preparing fresh blood samples for Croatian haematology external quality assessment	Nazor A, Flegar-Mestric Z, Hećimović A, Šiftar Z, Hundrić Hašpl Ž
P09-08	Differential count in healthy newborns	Paradinović K, Milić M, Drmić S, Šerić V
P09-09	The effect of the cellularity of the bone marrow aspirate sample for cytogenetic cultures	Tegg E, Raik E
P09-10	Verification of the Body Fluid Application on the Sysmex XE-5000 Hematology Analyzer	Šiftar Z, Kardum-Paro M, Nazor A, Sokolić I, Kardum Skelin I, Flegar Meštrić Z
P09-11	Integration of point-of-care hematology analyzers in the hospital and laboratory information system	Baršić I, Brkljačić V, Šrenger V, Majdenić K, Stojmilović S, Sertić J
P09-12	Blood loss from laboratory tests in adult hospitalized patients	Alatas O, Kocaturk E, Bekmez M, Bayrak C, Harmansa A

P10 – Haematology 2

P10-01	State of plasma and platelets hemostasis factors in patients with unstable angina	Markava I, Miadzvedzeva A, Helis L, Kaljadka M, Russkikh I
P10-02	Evaluation of platelet parameters for differential diagnosis of thrombocytosis	Peran N, Reškov Ž, Meniga D, Pamuković-Jaram D, Vesna S
P10-03	Evaluation of in-house normal pool plasma for partial thromboplastin time mixing study on an ACL TOP	Costa P, Reis J, Silva C, Simão L, Diamantino I, Valido F

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P10-04	Comparison of two methods for measuring FVIII levels in hemophilia A patients	Miloš M, Coen Herak D, Zupančić-Šalek S, Zadro R
P10-05	Design and application of lupus anticoagulant diagnostic algorithm	Banys V, Cimoš R
P10-06	Relationship between homocysteine level and MTHFR haplotype in patients with thrombophilia	Beletic A, Djordjevic V, Canic I, Mirkovic D, Radojkovic D, Majkic-Singh N
P10-07	Validation of Hemoclot® Thrombin Inhibitors assay for the new oral anticoagulant dabigatran	Lilja J, Leinonen J, Saarela E, Lassila R, Joutsu-Korhonen L
P10-08	Indicators of activation of the coagulation system in children with Henoch-Schönlein purpura	Obuljen J, Kapović A, Linarić I, Margetić S, Magdić B, Žižić V
P10-09	Pre-analytical routines in coagulation testing: are guidelines followed?	Kristoffersen A, Stavelin A, Vannes S, Berge Kristensen GB
P10-10	Characterization of blood donors with high haemoglobin concentration	Magnussen K, Hasselbalch H, Ullum H, Weis Bjerrum O
P10-11	Blood donors with thalassemia trait in a blood bank outside the thalassemia belt	Magnussen K
P10-12	Temporary impact of blood donation on physical performance in moderately physically active men	Magnussen K, Ziegler A, Grand J, Helge J

P11 – Immunology

P11-01	Comparative analysis of turbidimetry and nephelometry methods for the measurement of immunoglobulin	Cachapuz I, Moreira S, Neves E, Lima I, Cerveira C, Alves V
P11-02	Comparison of rheumatoid factor analysis by nephelometry (BN II) and turbidimetry (ADVIA 2400)	Garcia Moreira V, Fernandez Leivas A, Bachiller Sister M, Llorente Torres A, Fernandez Rodriguez E
P11-03	Evaluation of C3 and C4 immunoturbidimetric assays on ABBOTT Architect ci16200 analyzer	Knezevic B, Mladina B, Čepić K, Surjan L
P11-04	Comparison of serum total IgE tests performed by four different assay systems	Yoon S, Kim S
P11-05	Imunonephelometric quantification of monoclonal protein	Šegulja D, Matišić D, Batinić J, Nemet D
P11-07	YKL-40 correlates with pro-inflammatory cytokines in rheumatoid arthritis	Kazakova M
P11-08	Epstein-Barr virus infection resembling autoimmune liver disease in 17-year-old girl – case report	Tesija Kuna A, Zaja-Franulovic O, Vukasovic I, Lesar T, Vrkcic N
P11-09	Concentration of IgE antibody in nasal lavage in allergic rhinitis and non-allergic rhinitis	Bokulić A, Bukovec Megla Ž, Kalogjera L, Tomljenović D, Vagić D, Zurak K
P11-10	Immunologic laboratory diagnostic tests for patients with chronic diarrhea	Mladenova T, Shentova R, Kyurkchiev D, Ivanova-Todorova E, Spassova Z, Altankova I
P11-11	Polymeric forms of free light chains: two case reports	Illana Camara F, Castillo Perez C, Cardenas M, Arroyo M

P11-12	Eosinophilic cationic protein (ECP) and total IgE concentration in children with atopic diseases	Pancirov D, Ciprić M, Zukan I, Posavec M
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P12 – Kidney diseases

P12-01	The performance of compensated serum creatinine in pediatric samples	Aralica M, Matica J
P12-02	The impact of different methods of creatinine measurements on MELD scoring system	Perkov S, Flegar-Meštrić Z, Ožvald I, Kocman B, Čolić-Cvrlje V, Čakalo Lj
P12-03	“Screening” for chronic renal disease in a Portuguese population	Cachapuz I, Branco A, Silva S, Alves V, Costa M
P12-04	Osteoporosis and kidney impairment in postmenopausal women	Pavić M, Milevoj Kopčinović L, Car D, Nikolić T
P12-05	Iron content of serum ferritin: a biomarker of iron storage	Mujagic R, Obuljen J, Crnokrak S
P12-06	Nitric oxide and homocysteine in patients with chronic kidney disease	Mikulić I, Petrik J, Čepelak I, Tomić M, Baković V, Mikulić V
P12-07	Estimated glomerular filtration rate, hypertension and blood mercury in a hospital working population	Diaz Diaz A, Morales C, Trasobares E, Castillo Perez C, Fuentes M, González-Estecha M
P12-08	Cadmium, estimated glomerular filtration rate and hypertension in a hospital working population	Diaz Diaz A, González-Estecha M, Castillo Perez C, Morales C, Fuentes M, Arroyo M
P12-09	uNGAL in deceased donors as a marker of early kidney transplant injury	Kalachyck A, Oganova E, Naderi U, Sadovski D, Dolgolikova A
P12-10	Low-grade inflammation and iron metabolism in chronic kidney disease (CKD) patients	Tandara L, Salamunić I, Gugo K, Bilopavlovic N, Pauković-Sekulić B, Tandara M
P12-11	Cystatin C in early diagnosis of contrast-induced acute kidney injury	Vavilova T, Klyusova S, Gaykovaya L
P12-12	Protein:Creatinine ratio in spot urines to predict proteinuria in chronic kidney disease	Shrestha R, Gyawali P, Neopane P, Jha B
P12-13	Sensitivity and specificity of NGAL in acute pyelonephritis	Mandić S, Arambašić J, Horvat V, Mandić D, Šerić V
P12-14	Assessment of the new CKD-EPI formula to estimate CKD in hospitalized patients	Fernandez Rodriguez E, Garcia Alonso S, Fernandez Garcia E

P13 - Lung, liver and gastrointestinal diseases

P13-01	Serum copper concentrations and cardiomyopathy in cystic fibrosis patients	Castillo Perez C, González-Estecha M, Morales C, Ruiz L, Díaz Díaz A, Segovia J
P13-02	Lead and cadmium in cystic fibrosis	Castillo Perez C, González-Estecha M, Díaz Díaz A, Ruiz L, Maíz L, Segovia J
P13-03	Interaction of blood mercury with essential trace elements in a cystic fibrosis population	Morales C, González-Estecha M, Castillo Perez C, Ruiz L, Prados C, Segovia J

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P13-04	Selenium and mercury and the left ventricular ejection fraction in adult cystic fibrosis patients	González-Estecha M, Ruiz L, Castillo Perez C, Morales C, Díaz Díaz A, Segovia J
P13-05	Monitoring faecal occult blood test positivity in the NHS Bowel Cancer Screening Programme	Halloran S, Burtonwood C, Butler P, Young M
P13-06	The NHS Bowel Cancer Screening Programme, Southern Hub – screening activity and outcomes	Halloran S, Seaman H, Young M
P13-07	Comparative study of the risk of developing NAFLD in individuals without liver disease	Almeida A, Pires C, Paulo R, Leitao C, Bellem F, Abreu R
P13-08	Citrulline – marker of enterocytes mass and function in patients after stem cells transplantation	Sedlackova T, Rajdl D, Ladislav T, Racek J, Vokurka S, Svoboda T
P13-09	Prevalence of AMHA and ANA in patients with suspicious primary biliary cirrhosis	Padjen I, Kozmar A, Mayer M, Sentić M, Malenica B
P13-10	Comparison of fecal calprotectin and CRP in pediatric inflammatory bowel disease	Linarić I, Obuljen J, Margetić S, Mišak Z, Hojsak I, Žižić V
P13-11	Lipid profile in patients with chronic obstructive pulmonary disease	Milevoj Kopčinović L, Pancirov D, Simić L, Čepelak I, Žanić Grubišić T, Rumora L
P13-12	MMP-9 and TIMP-1 concentrations in plasma of patients with chronic obstructive pulmonary disease	Somborac Bačura A, Rumora L, Šribar D, Popović-Grle S, Čepelak I, Žanić Grubišić T
P13-13	The relationship between BAL IL-8 and DLCO in patients with COPD	Fijačko M, Fijačko V, Dobrošević B, Pavela J, Sikora I, Šerić V

P14 - Microbiology - Infection

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Cortisol
CYFRA 21-1
DHEA
DHEA-S
Estradiol

Free Testosterone
Progesterone
Renin (active)
SHBG
Testosterone

TSH Receptor Ab
CRP
Cystatin C
D-Dimer
HbA1c

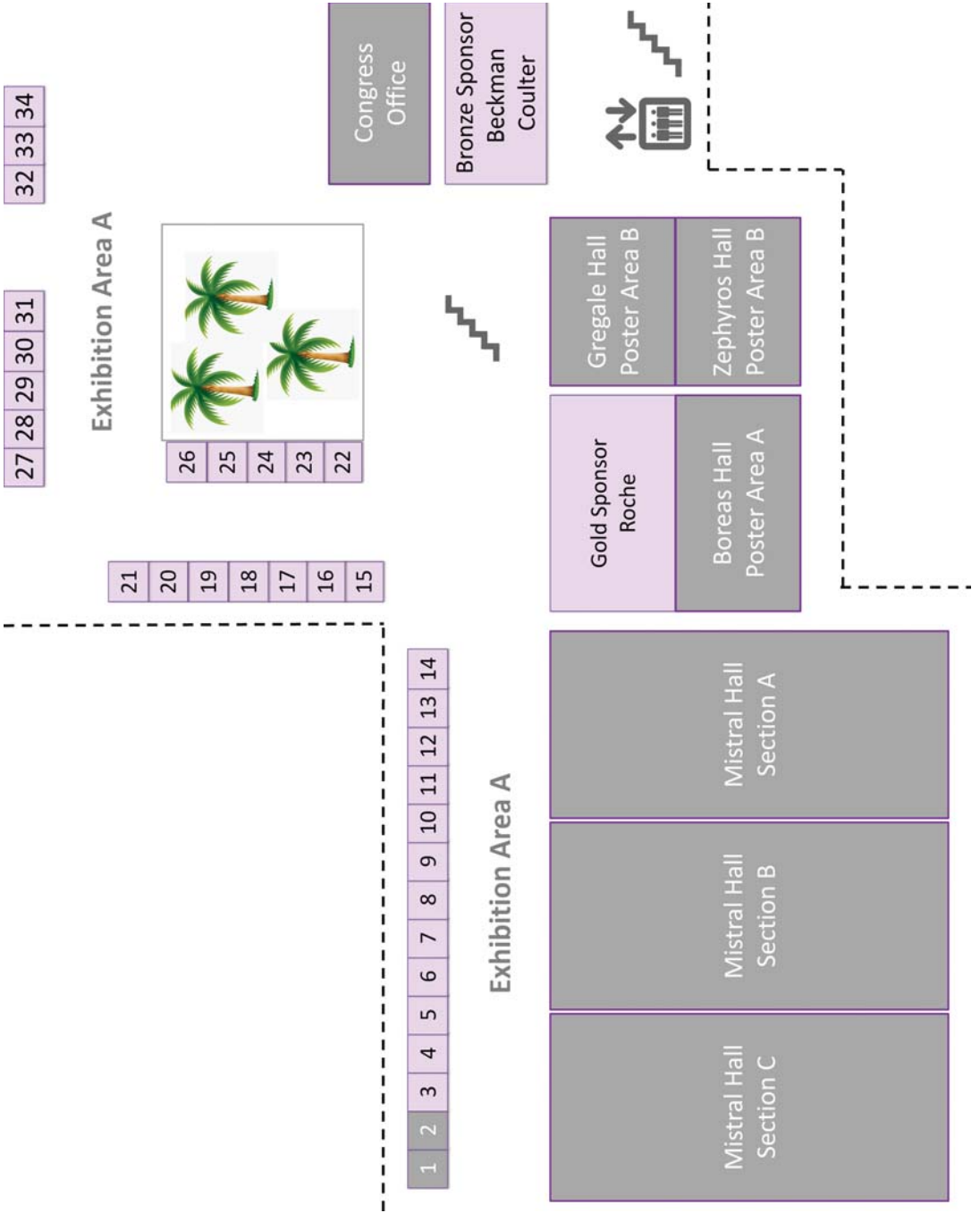
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www.drg-diagnostics.de

Congress exhibition area



Exhibition units:

Company	
Levantera Hall	Roche d.o.o. ODG Diagnostics, Gold Sponsor Banjavčičeva 22, 10000 Zagreb, Croatia www.roche.hr
Shiroco Hall	Beckman Coulter d.o.o., Bronze Sponsor Av. V. Holjevca 40, 10020 Zagreb, Croatia www.beckmancoulter.com csa.zagreb@beckman.com
A3 A4	Waters GmbH Hietzinger Hauptstrasse 145, 1130 Wien, Austria www.waters.com/clinical Andrea_Hofmann@waters.com
A5 A6	NOVO ANALITICA d.o.o. Slavonska avenija 24/6, 10000 Zagreb, Croatia www.novo-analitica.hr info@novo-analitica.hr
A7 A8	Greiner Bio One Bad Haller Straße 32, 4550 Kremsmünster, Austria www.gbo.com office@at.gbo.com
A9 A10	Siemens d.d. Heinzelova 70a, 10000 Zagreb, Croatia www.siemens.com/diagnostics daniel.bakic@siemens.com

Congress exhibition area

A11

Shimadzu d.o.o.

Zavrtnica 17, 10000 Zagreb, Croatia,
www.shimadzu.hr
shimadzu@shimadzu.hr

A12

Jasika d.o.o.

Remetinečka cesta 115, 10000 Zagreb, Croatia,
ivana.tomicic@jasika.hr

A13

Medical Intertrade d.o.o.

Dr Franje Tuđmana 3, 10431 Sveta Nedjelja, Croatia
www.medical-intertrade.hr
diagnostics@medical-intertrade.hr

A14

Abaxis Europe GmbH

Peka Park T9, Otto-Hesse-Str. 19, D-64293 Darmstadt,
Germany
www.abaxis.de; abaxis@abaxis.de

A15

Diagnostica Skalpeli d.o.o.

Ljudevita Juraka 24, 10090 Zagreb, Croatia
www.skapeli.hr; skalpeli@skapeli.hr

A16

Iason Zagreb d.o.o.

Pleška 113, 10410 Velika Gorica, Croatia
www.iason.eu
office.zagreb@iason.eu

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MES d.o.o.

Horvaćanska 10, 10000 Zagreb, Croatia
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Terumo Europe N.V.

Interleuvenlaan 40, 3001 Leuven, Belgium
www.terumo-europe.com
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Labquality Group

Ratamestarinkatu 11 A, FI-00520 Helsinki, Finland
www.labquality.fi
info@labquality.fi

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A23

A24

A25

A26

Abbott Laboratories d.o.o.

Koranska 2, 10000 Zagreb, Croatia
www.abbottdiagnostics.com
stanko.klipa@abbott.com

A27 A28

Becton Dickinson Croatia d.o.o.

Radnička cesta 80, 10000 Zagreb, Croatia
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West Medica Produktions- und Handels- GmbH

Franz-Siegel-Gasse 1, 2380 Perchtoldsdorf, Austria
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a.maslov@westmedica.com

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Randox Laboratories Ltd

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A32 A33

Nova Biomedical

Innovation House, Aston Lane South, WA73FY Runcorn,
 United Kingdom
www.novabiomedical.com
info@novabio.com

A34

LGC Standards

Queens Road, TW11 0LY Teddington, Middlesex, United
 Kingdom
www.lgcstandards.com
www.logical-standards.com
askus@lgcstandards.com

CATHEDRAL



Dubrovnik's Cathedral stands in the center of Poljana Marin Drzic, close to Rector's Palace. The first Dubrovnik Cathedral was built from the 12th to the 14th century in Romanesque style. It was destroyed in the Great Earthquake in 1667 and the present Cathedral was built on its place. The reconstruction of the Cathedral was done by Buffalini (1671), Andreotti, Napoli, and finally finished by Katieia in 1713.

This Romanesque Baroque style Cathedral is a three-hall building which contains a rich treasury and a line of paintings by top masters. The exterior is decorated with a balustrade enclosing the roofs of the aisles and surmounted by statues of saints. The interior is light and spacious and accommodates paintings of old masters such as Titian's, Padovanino's works, etc. The Cathedral's Treasury is situated in the beautiful baroque chapel designed by Gropelli and painted by Mattei Matejevia. The Treasury consists of 138 reliquaries, most of which are traditionally carried in procession round the city on the feast of St. Vlaho. On the altar stand the three major reliquaries of St. Vlaho.

General information

Congress official language

The official language of the Congress is English.

Congress venue

Hotel Rixos
Liechtensteinov put 3
20 000 Dubrovnik
Croatia
Tel. +385 20 200 126
Fax. +385 20 200 020
www.rixos.com

Registration fee

Date of payment determines amount of registration fee.

	Before 10 September, 2012	After 10 September, 2012	On-site
Registration fee	400 EUR	500 EUR	600 EUR
Young registration fee*	280 EUR	350 EUR	420 EUR
Accompanying person	75 EUR	75 EUR	75 EUR

* Participants born after 1 January, 1977 (copy of an identity document required)

Registration fee and Young registration fee include:

- admission to plenary lectures, symposia, posters sessions, exhibition and industry-sponsored workshops;
- possibility to submit abstracts;
- congress bag;
- certificate of attendance;
- coffee breaks;
- Opening Ceremony and Welcome Party (Wednesday, 10 October, 2012).

Registration fee for accompanying person includes:

- Opening Ceremony and Welcome Party (Wednesday, 10 October, 2012);
- free admittance to the poster and exhibition area;
- coffee breaks.

Copy of registration fee payment should be provided at registration desk!

Registration desk

Day	Time
Wednesday, 10 October, 2012	10.30-19.00
Thursday, 11 October, 2012	08.00-18.00
Friday, 12 October, 2012	08.00-18.00
Saturday, 13 October, 2012	08.00-15.00

Congress office

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 18:00.

Lecturers should provide their Power point presentation to appropriate hall, not later than 1 hour before beginning of the their lecture.

Congress badges

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

Certificate of attendance

Certificates will be issued at the registration desk after all obligations to the Congress have been settled.

CME credits

2nd EFLM-UEMS European Joint Congress-Laboratory Medicine at the Clinical Interface was granted 15 European CME credits (ECMEC) by the European Accreditation Council for Continuing Medical Education (EACCME). Certificates will be handed out at the registration desk on request on Friday afternoon (October, 12 th).

Important phone numbers

Country code: +385

Phone booths can be found throughout the city. Telephone cards can be bought at the post office or newsstands.

In case of emergency call 112, the European Emergency Number, or dial direct:

192 - Police

93 - Fire department

94 - Ambulance

9155 - Search and Rescue at Sea

1987 - Roadside Assistance

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Electricity

Croatian house current in wall sockets is 220 volts, 50 Hz.



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