

14TH IFCC



PRAHA 2001

# EUROMEDLAB

EUROPEAN  
CONGRESS  
OF CLINICAL  
CHEMISTRY  
AND LABORATORY  
MEDICINE

# news 2

MAY 26/31

## W E L C O M E 2 0 0 1



### Dear Visitors,

spring is probably the most attractive time of the year in Prague, particularly the month of May. I am therefore delighted that you have chosen this time for the EUROMEDLAB 2001 Congress.

I am confident that our newly refurbished Prague Congress Centre will prove a most agreeable and well organized venue for the meeting of such an illustrious medical association. I hope that the participants will find some time to visit the centre of Prague and sample its beauty and hospitality.

It would give me great pleasure if our city were to become a host city for future meetings of EUROMEDLAB 2001 so please come and judge for yourselves just how beautiful and hospitable Prague truly is.

I wish you a stimulating and fruitful meeting.

Jan Kasl  
Lord Mayor of Prague

### Dear Colleagues,

On the behalf of the Organising Committee I would like to invite you to EUROMEDLAB 2001, to welcome you to Prague, to welcome you to the city, whose University was founded by Charles IV, King of Bohemia and Emperor of Rome, the city where-as fables have it- the wise rabbi Jehuda Liva Ben - Becalel created Golem, where alchemists failed to prepare the elixir of eternal youth for Emperor Rudolph II, so that he had to seek solace in his famous art collections, the city, where Mozart composed his music, Franz Kafka wrote his novels, where Albert Einstein lectured physics at the university. To welcome you to Prague, where Laufferger discovered the molecule of ferritin, Meloun described the primary structure of human albumin and Heyrovsky gave polarography to mankind.

I wish that EUROMEDLAB 2001 be a successful and dignified continuation of the hundred years' tradition of harmonic



cultivation of science, art, music and architecture in the full bloom of the coming spring when Prague is most beautiful.

I hope that you find participation at the EUROMEDLAB 2001 to be valuable and I wish you a scientifically rewarding and personally memorable stay in Prague.

Professor Miroslav Englis  
Chairman of Organising Committee

Dear readers,

We are delighted to present you the 2nd issue of EUROMEDLAB News.

In this issue, we would like to present more the social programme, a more detailed form of the scientific programme of the prepared congress and other complementary information.

We are honoured to have the opportunity to invite you to the EUROMEDLAB 2001 congress which we organise, and to inform you by press about the final stage of congress preparations.

We are happy to announce that

**Dr. Larry Kricka, President of AACC,**

**has accepted invitation to EUROMEDLAB with plenary lecture „Microchips – New Analytical Tools“ and will support the scientific program.**

For the Organising Committee  
Miroslav Verner



Professor Victor Blaton

*On behalf of the editor I apologize to Professor Blaton whose photo did not accompany his article in the last issue, and we are presenting the photo of the President of FESCC subsequently.*

## Invitation to Prague – City of Music

### Invitation to Prague – city of music

There was a saying: „Each Czech is a musician“. Our rushy life style and the omnipresent entertainment industry has changed our pleasures, but respect to music has deep roots in Czech hearts and it is still possible to say that Prague is a city full of live music. At the same time with the EUROMEDLAB, Prague will host the annual prestigious Prague Spring Music Festival – one of the best and most known festivals of classical music, that presents musicians from all over the world. Fans of club music will certainly find their liking in one of the many musical clubs of Prague. Those who prefer stone theatres can visit the State Opera and those wishing to get to know the contemporary musical scene in Prague have the choice among many original Czech musicals. Music is offered in Prague at almost every corner, but the truest type is the music played on the streets. Between the performer and the audience is a contact and the voluntary spectator will immediately recognize who plays with love and taste. Grateful tourists admire it at all times, but the real success of street music is to see the hurrying passers-by slow down and smile.

In the spirit of this tradition, we have prepared the cultural program that will accompany you during the congress. After all, medicine is not just a science, it is also an art.

### Alchymia Musicale – Get Together Party

Alchemists were scientists who tried, by mixing of different ingredients, to find the

philosophers' stone, change lead to gold or find the elixir of youth. We have also chosen the best ingredients to mix up a cocktail of good mood for the first evening representing the symbol of the successful start of the whole congress. We have prepared something special not only for jazz fans; you can enjoy Vivaldi's melodies or just listen to a piano recital. And if you would like to experience typical Czech music, we have folk dulcimer music ready for you. You certainly know what a dulcimer is?

This whole musical cocktail will be served in our best cup – the Municipal House.

### The Municipal House

It was built as a cultural centre in the beginning of our century and about thirty of the leading artists co-operated on it. This is one of the most precious treasures of "Art Nouveau" style, containing rich decoration inside and on the outside (Mucha, Myslbek, Saloun, Svabinsky, Ales, Zenisek). It was here, where the new independent Czechoslovak Republic was proclaimed on October 28, 1918. It houses Prague's largest concert hall – the Smetana Hall. On the first floor there are many parlors – the most famous being the Lord Mayor's, decorated by Alphonse Mucha.

You are sincerely welcome. Not that often will you have the opportunity to spend an evening in surroundings that could immediately become a museum.

To make the happiness complete, it is necessary to satisfy all the senses. Your ears will be filled with music, your eyes can feast on the known faces or on the beauty created by the genius of human hands that will surround you. For your smell and taste we have prepared different culinary temptations, and the choice you will make will depend only on your touch.

### Organ Concerts

Organ concerts in churches have their tradition at all congresses and we will gladly continue it. We have a large choice. To create optimal conditions for your musical experience we have chosen, not only one church, but two.

### St. Nicholas Church

This church, built between 1704 and 1755, is the most significant historical structure of Prague Baroque. The architects were G. Santini, K. I. Dienzenhofer, and A. Lurago.



Old Town Square

To be continued on page 3

To be continued from page 2

### St. James Church

The church was founded in 1232 as the church of Minorite friary and finally rebuilt in Baroque style between 1689 and 1739 with fine reliefs on the facade and a richly furnished interior. The main designers were: J. B. Fischer von Erlach, F. M. Brokoff and W. L. Reiner. The church has excellent acoustics.

### Music on the streets

And if you want to see the musicians in Prague's streets and get to know them, the best will be found at the most visited places in Prague and its surroundings.

The central point of the Old Town (Staré Město) is the Old Town Square. There is the John Huss monument located on it. In the neighbourhood, there is the native house of Franz Kafka with a memorial devoted to him and his life. The Old Town Hall was founded in the 14th century and became the symbol of the municipal rulers. Without any doubt, the greatest attraction is the Astronomical Clock, one of the oldest in Europe, on its southern facade. For half a millennium every hour all 12 apostles appear, one after the other, in the top part of the clock. An excursion through the interiors of the Old Town Hall is possible as well as the opportunity to enjoy the spectacular view from the top of the tower. The Church of Our Lady in Front of Týn dominates the Old Town Square. The skyline of the Gothic church with its two towers from the 14th century is a symbol of Prague. Its interior contains also the tomb of the Danish astronomer Tycho de Brahe.

### Music above the Vltava

It is highly probable, that you'll find the most intensive musical experience on Charles Bridge. Charles Bridge is the oldest Prague bridge, and one of the oldest in Europe. Its construction began in 1357 during the reign of Charles IV. It connects the Lesser Town with the Old Town and is fortified on both sides by towers. Mainly, the Old Town Bridge Tower is very attractive, due to its sculpted decorations and the beautiful view from its top. The bridge has a unique combination of Gothic structure and Baroque statues. This world famous gallery of 30 Baroque statues on Charles Bridge was inspired by the Angelic Bridge in Rome.

From one of its sides you can appreciate the majestic panorama of the Prague's Castle, on the other side, your eyes will be taken by the river, its mightiness, its fluidity, its romantic character. Your second look will show you the magic of Prague's river side. And after your eyes are satiated, the right time will come to lean on the almost six hundred years old railing, listen to the sea gull's screams and tones of music and let yourself dream for a moment.

### Gala Dinner

We have one more cultural event waiting for you. The final evening at the Brevnov Monastery. Prayers and thoughts fit best between these thousand years old walls, but it is also a suitable place for final balancing and assessments as well as for farewells. And to make the farewell a little less sad, we have again prepared for you a rich entertaining



Photo L. Novakova

Charles Bridge

programme. Dinner will be served to the sounds of the period quartet, after the dinner is finished, you will be invited to the monastery atrium to taste superior archival Moravian wines and assorted Czech cheeses. The wine tasting will be accompanied by Czech and Moravian folk music.

*You are sincerely welcome  
on behalf of the cultural commission  
Lenka Novakova*

<b>ABBOTT</b>	<b>CLONIT</b>	<b>INSTRUMENTATION LABORATORY</b>
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## Scientific programme

### Symposia

#### S01 Management in the Clinical Laboratory

(under the auspices of Finnish Society for Clinical Chemistry)

Sunday, May 27th 13.45 - 16.00 DVORAK

##### Chairpersons:

Leitinen, P. (Finland)  
Seppala, E. (Finland)

##### Lectures:

**Integration Strategies in Clinical Laboratory - Different Aspects of Consolidation**  
Heikkinen, R. (Finland)  
**The Future of Public Clinical Laboratories - Co-operation and Co-ompetition**  
Seppala, E. (Finland)  
**Managing Point-of-Care Testing**  
Puhakainen, E. (Finland)  
**FESCC Survey of the Management of the Clinical Laboratory in Europe**  
de Kieviet, W. (The Netherlands)

#### S02 Education in Clinical Chemistry and Laboratory Medicine

(under the auspices of Danish Society for Clinical Chemistry)

Sunday, May 27th 13.45 - 16.00 JANACEK

##### Chairpersons:

Soerensen, S. (Denmark)  
Racek, J. (Czech Republic)

##### Lectures:

**Harmonizing the Training in Medical Biopathology in Europe**  
Theodorsson, E. (Sweden)  
**Recommendations for Improvements of the Specialist Training in Clinical Biochemistry in Denmark**  
Soerensen, S. (Denmark)  
**CEEPUS as an Important Framework for University Cooperation in Biomedicine**  
Sorantin, E., Juretic, D. (Austria, Croatia)  
**Reporting Diagnostic Accuracy - How to Improve the Evidence Base?**  
Magid, E. (Denmark)

#### S03 Training and Practice in Evidence Based Laboratory Medicine

(under the auspices of Hungarian Society of Clinical Pathology)

Sunday, May 27th 13.45 - 16.00 SMETANA

##### Chairpersons:

Horvath, R. (Hungary)  
Sandberg, S. (Norway)

##### Lectures:

**Evidence-Based Laboratory Medicine - Do we Need it?**  
Horvath, A. R. (Hungary)  
**Are Systematic Reviews Systematic in Laboratory Medicine?**  
Oosterhuis, W. (The Netherlands)  
**Evidence-Based Laboratory Medicine: From Primary Research to Clinical Guidelines**  
Sandberg, S. (Norway)  
**Improving Medical Guidelines for the Management of Primary Lung Cancer Using Evidence-Based Laboratory Medicine**  
Watine, J. (France)  
**Combining the Evidence with the Patient**

#### Record to Enable Better Clinical Decisions

Kay, J. D. S. (United Kingdom)

#### S04 EBM in Coronary Heart Diseases - The Role of Inflammation

(under the auspices of Swedish Society for Clinical Chemistry)

Monday, May 28th 10.00 - 12.15 DVORAK

##### Chairpersons:

Hansson, G. K. (Sweden)  
Simonsson, P. (Sweden)

##### Lectures:

**The Immunology of Atherosclerosis**  
Hansson, G. K. (Sweden)  
**Lipoprotein Autoimmunity in Cardiovascular Disease**  
Nilsson, J. (Sweden)  
**Endocrinology of Endothelium**  
Viinikka, L. (Finland)  
**Lipoprotein Lipase - Friend or Foe?**  
Nilsson-Ehle, P. (Sweden)  
**Clinical Relevance of Inflammatory Markers in Coronary Heart Disease**  
Zieher, A. M. (Germany)

#### S05 Analytical Goals in Relation to Clinical Needs - Example: Diabetes

(under the auspices of Norwegian Society for Clinical Chemistry)

Monday, May 28th 10.00 - 12.15 JANACEK

##### Chairpersons:

Sandberg, S. (Norway)  
Petersen, P.H. (Denmark)

##### Lectures:

**Quality Specifications Based upon Clinical Needs. Example: Monitoring of Blood Glucose**  
Sandberg, S. (Norway)  
**Quality Specifications Based upon Assessing the Subgroup Population Fluctuation in the Number of Patients Exceeding the Guideline Threshold Value. Example: Glucose**  
Klee, G. G. (U.S.A.)  
**Effects of Systematic and Random Factors on Fasting Plasma Glucose and Thereby on the Diagnosis of Diabetes**  
Petersen, P. H. (Denmark)  
**Quality Specifications for HbA1c Based on Clinicians' and Patients' opinions**  
Skeie, S. (Norway)  
**Quality Specifications for HbA1c Based upon Clinical Utility and Treatment Goals**  
Joergensen, L. (Denmark)

#### S06 Patient Outcomes and Laboratory Medicine

(under the auspices of UK Association of Clinical Biochemists)

Monday, May 28th 10.00 - 12.15 SMETANA

##### Chairpersons:

Price, C.P. (United Kingdom)

##### Lectures:

**Introductory Remarks**  
Price, C.P. (United Kingdom)  
**Designing Outcomes Studies**  
Lijmer, J. (The Netherlands)  
**Exploiting Clinical Databases in Outcomes Research**  
Jones, R. (United Kingdom)

#### Achieving Patient Outcomes in Primary Care

Tryding, N. (Sweden)  
**Medical Outcomes in Point-of-Care Testing**  
Price, C.P. (United Kingdom)

#### S07 Molecular Biology and Technological Aspects

(under the auspices of Japanese Society for Clinical Chemistry)

Tuesday, May 29th 10.00 - 12.15 DVORAK

##### Chairpersons:

Kanno, T. (Japan)  
Ueda, K. (Japan)

##### Lectures:

**Membrane Arrays for Gene Expression Estimation**  
Brdicka, R. (Czech Republic)  
**Loop-mediated Isothermal Amplification (LAMP) of DNA**  
Notomi, T. (Japan)  
**RNA Diagnosis Using Biopsied Samples**  
Takano, T. (Japan)  
**Extra-highly Sensitive Multi-fluorescent in Situ Hybridisation (FISH)**  
Kawaguchi, R. (Japan)  
**Transcription-reverse Transcription Concerted Reaction (TRC) Using Intercalation-activating Fluorescent (INAF) Probe**  
Ishiguro, T. (Japan)

#### S08 Cellular Iron Distribution: From Genetics to Clinical Outcomes

(under the auspices of Belgian Society for Clinical Chemistry)

Tuesday, May 29th 10.00 - 12.15 JANACEK

##### Chairpersons:

Delanghe, J. (Belgium)

##### Lectures:

**Genetics of Cellular Iron Distribution**  
Muckenthaler, M. (Germany)  
**Hemochromatosis**  
Pietrangolo, A. (Italy)  
**Non-Hemochromatosis - Genetics of Iron Overload**  
Gordeuk, V. (U.S.A.)  
**Haptoglobin Polymorphism and Iron**  
Delanghe, J. (Belgium)  
**HIV and Iron**  
Boelaert, J. (Belgium)

#### S09 Pharmacogenetics, Pharmacogenomics and Drug Development

(under the auspices of French Society of Clinical Chemistry)

Tuesday, May 29th 10.00 - 12.15 SMETANA

##### Chairpersons:

Beaune, P.-H. (France)

##### Lectures:

**Xenobiotic Metabolism and Pharmacogenetics**  
Beaune, P. (France)  
**Genetic Polymorphisms of Xenobiotic Metabolizing Enzymes - Relation: Structure/Function**  
Broly, F. (France)  
**Clinical Implications of Pharmacogenetics**  
Beccquemont, L. (France)  
**Pharmacogenomics**  
Deneffe, P. (France)  
**Pharmacogenomic of Cytochrome P450**  
Topic, E. (Croatia)

**S10 Harmonisation by Registration, Accreditation and Calibration in Clinical Chemistry**

(under the auspices of FESCC and EC4)

Wednesday, May 30th 10.00 - 12.15 DVORAK

**Chairpersons:**

Blaton, V. (Belgium)  
Jansen, R. (The Netherlands)

**Lectures:**

**EC4 Register of European Clinical Chemists: Progress and Status**

Gurr, E., Zerach, S. (Germany)

**Accreditation according ISO15189: EC4**

**Essential Criteria as Guide**

Huisman, W., Kenny, D., Burnett, D. (The Netherlands, Ireland, United Kingdom)

**How to Implement your Quality System: EC4 Model Quality Manual**

Queralto, J. (Spain)

**Calibration 2000: EQAS Produced Commutable**

**Secondary Calibrators for your Laboratory**  
Kuypers, A., Baadenhuisen, H., Jansen, R. (The Netherlands)

**FESCC and EC4: the Future of Clinical Chemistry in Europe**

Jansen, R., Blaton, V. (The Netherlands, Belgium)

**S11 Point-of-Care-Testing in Hospitals: A Challenge for the Clinical Laboratory**

(under the auspices of German Society for Clinical Chemistry)

Wednesday, May 30th 10.00 - 12.15 JANACEK

**Chairpersons:**

Schlebusch, H. (Germany)

**S12 Computers and Clinical Laboratory**

(under the auspices of Spanish Society for Clinical Biochemistry and Molecular Pathology)

Wednesday, May 30th 10.00 - 12.15 SMETANA

**Chairpersons:**

Rius, M. C. (Spain)  
Queralto, J.M. (Spain)

**S13 Neuroactive Steroids and Endocrine Disruptors**

(under the auspices of Czech Society for Clinical Biochemistry)

Thursday, May 31st 14.45 - 17.00 DVORAK

**Chairpersons:**

Starka, L. (Czech Republic)  
Morfin, R. (France)

**Lectures:**

**Catecholamines, Steroids and their Interaction and Modulation in the Central Nervous Systems**

Zinder, O. (Israel)

**Neurosteroids Derived from Dehydroepiandrosterone**

Morfin, R. (France)

**Microdialysis as a Tool for Measurements of Brain Catecholamines**

Pacak, K. (U.S.A.)

**Iodine and Selenium as Endocrine Disruptors**

Zamrazil, V. (Czech Republic)

**Nutritional Phytoestrogens and their**

**Determination in Biological Material**

Mazur, W. (Finland)

**S14 Male Infertility**

(under the auspices of Italian Society of Clinical Biochemistry and Molecular Biology)

Thursday, May 31st 14.45 - 17.00 JANACEK

**Chairpersons:**

Messeri, G. (Italy)  
Paz, G. (Israel)

**Lectures:**

**Genetics of Male Infertility: European Guidelines for Determination of Y Chromosome Microdeletions**

Krausz, C. (Italy)

**Theme Reserved**

Paz, G. (Israel)

**Clinical Value of Inhibin B Measurements in the Assessment of Male Gonadal Function**

Anderson, R.A. (United Kingdom)

**Semen Analysis: A Multistep Approach to Evaluate the Sperm Fertilizing Capacity**

Barrat, C. (United Kingdom)

**Quality Assessment in Steroid Measurements**

Middle, J. (United Kingdom)

**S15 Endocrinology of Diabetes**

(under the auspices of the Netherlands Society for Clinical Chemistry)

Thursday, May 31st 14.45 - 17.00 SMETANA

**Chairpersons:**

Miedema, K. (The Netherlands)

**Scientific workshops**

**SW 01 Preanalytics**

Sunday, May 27th 16.15 - 18.00 DVORAK

**Chairpersons:**

Guder, W. (Germany)

**Lectures:**

**The Role of Preanalytical Phase in Laboratory medicine: An Introduction**

Palicka, V. (Czech Republic)

**Preanalytical Variables in Defining Total**

**Imprecision of Laboratory Tests**

Ricos, C., Petersen, P.H. (Spain, Denmark)

**Preanalytical Aspects in Coagulation Assays**

Topfer, G., Zawta, B. (Germany)

**Increasing the Awareness of Preanalytical Variables in Health Care Professions by Case Related Education**

Narayanan, S. (U.S.A.)

**Defining the Quality of Diagnostic Samples Towards European Recommendations**

Guder, W. (Germany)

**SW 02 Veterinary Clinical Chemistry as a Part of Laboratory Medicine**

Sunday, May 27th 16.15 - 18.00 JANACEK

**Chairpersons:**

Bogin, E. (Israel)

**Lectures:**

**Animal Models for Prion Diseases**

Bogin, E. (Israel)

**Farm Animals as Models for Environmental**

**Toxicity**

Ubaldi, A. (Italy)

**Comparative Enzymology: Gamma-glutamyl**

**Transferase as a Marker of Pathogenicities in**

**Human and Animals**

Braun, J.P. (France)

**The Horse as a Model for Sport Medicine -**

**Clinical Chemistry Aspects**

Lindner, A. (Germany)

**SW 03 Minerals and Body Fluids**

Sunday, May 27th 16.15 - 18.00 SMETANA

**Chairpersons:**

Saris, N.E. (Finland)  
Jabor, A. (Czech Republic)

**Lectures:**

**Calcium and Magnesium: an Outline of the Chemistry, Physiology and Medical Aspects**

Saris, N.-E. (Finland)

**Analytical Aspects of Calcium and Magnesium Measurements**

Lewenstam, A. (Finland/Poland)

**Magnesium and Inflammation: Potential**

**Physiological and Clinical Implications**

Rayssiguier, Y. (France)

**Kidney Regulation of Body Fluids: Possible**

**Ways of Diagnosis**

Jabor, A., Kazda, A., Balik, M. (Czech Republic)

**Impact of Body Fluid Changes on**

**Pharmacokinetics: An Anaesthesiologist's View**

Balik, M., Kolar, M., Sedivy, J., Hendl, J., Pachel, J. (Czech Republic)

**SW 04 Cytokines in Clinical Diagnostics**

(dedicated to the memory of

Assoc.Prof. Zdenek Masek, Prague)

Monday, May 28th 14.00 - 15.45 DVORAK

**Chairpersons:**

Gressner, A.M. (Germany)

**Lectures:**

**The Clinical Use of Cytokine Measurements**

Bienvenu, J. (France)

**The Clinical Potential and Analytical Challenges of Transforming Growth Factor (TGF)-Beta**

Gressner, A.M. (Germany)

**Proinflammatory Cytokines as Prognostic Markers of Diseases**

Pulkki, K. (Finland)

**The Use of Synovial Fluid Cytokines**

**Measurements and Markers of Joint**

**Destructions in Prosthetic Surgery**

Sypniewska, G., Zielonka, K., Dymek, G., Bilinski, P.J. (Poland)

**SW 05 Coronary Heart Disease: from Mechanisms to Prevention**

Monday, May 28th 14.00 - 15.45 JANACEK

**Chairpersons:**

Domiczak, M. (United Kingdom)  
Stavljenic-Rukavina, A. (Croatia)

**Lectures:**

**Molecular and Biochemical Aspect Coronary Heart Diseases**

Stavljenic-Rukavina, A. (Croatia)

**Atherosclerosis and Low-grade Inflammation**

Rifai, N. (U.S.A.)

**Cardiovascular Prevention: Implications for the Laboratory**

Winder, A.F. (United Kingdom)

**Biochemical Markers in Acute Cardiology**

Pentilla, I. (Finland)

**Risk Stratification in Coronary Heart Disease**

Domiczak, M. (United Kingdom)

## SW 06 EBM in Diagnostics and Therapy of Metabolic Bone Diseases

Monday, May 28th 14.00 - 15.45 SMETANA

### Chairpersons:

Griesmacher, A. (Austria)  
Palicka, V. (Czech Republic)

## SW 07 EBM and Cancer

Monday, May 28th 16.15 - 18.00 DVORAK

### Chairpersons:

Lamerz, R. (Germany)  
Stenman, U.H. (Finland)

### Lectures:

**Clinical Relevance of Serum AFP and HCG in Germ Cell Tumors**

Lamerz, R. (Germany)

**Proteases as Prognostic Markers in Cancer: Validation in Level 1 Evidence Studies**

Duffy, M.J. (Ireland)

**Computer-Assisted Monitoring of Breast Cancer by Tumor Markers CA 15-3, CEA, and TPA - Evidence Based on Clinical Trials and Computer-Simulated Studies**

Soletormos, G. (Denmark)

**Validity of PSA for Screening of Prostate Cancer**

Stenman, U.H. (Finland)

## SW 08 EBM in Lipid Diagnostics

Monday, May 28th 16.15 - 18.00 JANACEK

### Chairpersons:

Blaton, V. (Belgium)  
Sypniewska, G. (Poland)

### Lectures:

**Dyslipidemia and Coronary Heart Disease: High LDL-Cholesterol versus Low HDL-Cholesterol**

Riesen, W., Blaton, V. (Switzerland, Belgium)

**Analysis of Apolipoproteins and Lipoproteins by Capillary Electrophoresis: Clinical Implementation**

Stocks, J. (United Kingdom)

**Circulating Oxidized Low Density Lipoprotein Levels: A Biochemical Risk Marker for Coronary Heart Disease**

Holvoet, P. (Belgium)

**Oxidised LDL and Markers of Apoptosis in Dialysed Patients**

Sadkowska, M., Sypniewska, G. (Poland)

## SW 09 The Role of Cardiac Markers

Monday, May 28th 16.15 - 18.00 SMETANA

### Chairpersons:

Chapelle, J.P. (Belgium)

### Lectures:

**Diagnostic and Prognostic Implications of Cardiac Natriuretic Peptides in Heart Failure**

Mair, J. (Austria)

**New Cardiac Markers and Estimation of Infarct Size**

van Dieijen-Visser, M. (The Netherlands)

**Acute Coronary Syndromes: Biochemical Strategies in the Troponin Era**

Panteghini, M. (Italy)

**Are Cardiac Markers Useful in Patients with Chronic Renal Failure?**

Chapelle, J. P. (Belgium)

## SW 10 Proteome Analysis

Tuesday, May 29th 14.00 - 15.45 DVORAK

### Chairpersons:

Cervinka, M. (Czech Republic)

## SW 11 Molecular Diagnostics of Cancer

Tuesday, May 29th 14.00 - 15.45 JANACEK

### Chairpersons:

Wagener, C. (Germany)

### Lectures:

**Molecular Diagnosis of Cancer by the Analysis of Tumour Cells in Blood, Pancreatic Juice, and Stool**

Wagener, C. (Germany)

**Gene Expression Profiling in Malignant Disease**

Orntoft, T.F. (Denmark)

**Apoptosis in Chronic Diseases**

Zanic-Grubisic, T. (Croatia)

## SW 12 Coagulation: Molecular Biology and Genetics

Tuesday, May 29th 14.00 - 15.45 SMETANA

### Chairpersons:

Muszbek, L. (Hungary)  
Mannhalter, C. (Austria)

### Lectures:

**Molecular Genetic Markers for Risk Assessment in Vascular Diseases**

Mannhalter, C. (Austria)

**Theme reserved**

Muszbek, L. (Hungary)

## SW 13 Inborn Errors of Metabolism

Tuesday, May 29th 16.15 - 18.00 DVORAK

### Chairpersons:

Van Gennip, A. H. (The Netherlands)

### Lectures:

**Inborn Errors of Mitochondrial and Peroxisomal Fatty Acid Metabolism: Clinical and Diagnostic Aspects**

Wanders, R. J.A. (The Netherlands)

**Inborn Errors of Neurotransmitter Metabolism: Clinical and Diagnostic Aspects**

Wevers, R.A. (The Netherlands)

**Newborn Screening of Inborn Errors of Metabolism by Tandem Mass Spectrometry**

Roscher, A.A. (Germany)

**Inherited Defects of Sulfur Amino Acid Metabolism: Clinical and Diagnostic Aspects**

Kozich, V. (Czech Republic)

**Inherited Pyrimidine Degradation Defects: Clinical and Pharmacogenetic Aspects**

Van Gennip, A. H. (The Netherlands)

## SW 14 Clinical Chemistry of Organ Transplantation

(under the auspices of Austrian Society for Clinical Chemistry)

Tuesday, May 29th 16.15 - 18.00 JANACEK

### Chairpersons:

Muller, M.M. (Austria)  
Zivny, P. (Czech Republic)

### Lectures:

**Introduction - Monitoring of Immunosuppression**

Muller, M. M. (Austria)

**Biochemical Prediction of Graft Function**

Zivny, P. (Czech Republic)

**Graft Dysfunction and Infection**

Muller, T. (U.S.A.)

**Application of Growth Factors in Tissue**

**Regeneration and Repair**

Vukicevic, S. (Croatia)

## SW 15 Markers of Iron Turnover

Tuesday, May 29th 16.15 - 18.00 SMETANA

### Chairpersons:

Thomas, L. (Germany)

### Lectures:

**Transferrin Receptor**

Punnonen, K. (Finland)

**Hypochromic Blood Cells and Reticulocytes in Patients Undergoing Chronic Hemodialysis**

Schaefer, R.M. (Germany)

**Biochemical and Hematological Markers of Iron Metabolism in Functional Iron Deficiency**

Thomas, L. (Germany)

## SW 16 Clinical Toxicology and TDM

Wednesday, May 30th 14.00 - 15.45 DVORAK

### Chairpersons:

Kuelppmann, W.R. (Germany)  
Grundmann, M. (Czech Republic)

### Lectures:

**Internal and external quality assessment of analyses in toxicology.**

Kuelppmann, W.R. (Germany)

**The analytical strategies in the different fields of clinical toxicology**

Hallbach, J. (Germany)

**Head-space Gas-chromatography**

Degel, F. (Germany)

**Under Pending**

Grundmann, M. (Czech Republic)

## SW 17 Global Aspects of Regulations for in vitro Diagnostics (IFCC SD 1st part)

Wednesday, May 30th 14.00 - 15.45 JANACEK

### Chairpersons:

Forest, J.-C. (Canada)  
Pauwels, J. (Belgium)

### Lectures:

**The New European Directive on in-vitro Diagnostic Medical Devices and Consequences for Diagnostic Manufacturers**

Tarrajat, C. (Belgium)

**Involvement of Notified Bodies in Conformity Assessment of in-vitro Diagnostics to the Essential Requirements of the IVD Directive**

Dati, F. (Germany)

**Traceability of Values Assigned to Calibrators and Control Materials and Need of Reference Measurement Procedures and Reference Materials**

Schimmel, H. (Belgium)

**Global Harmonisation and Quality System Application for Clinical Diagnostics**

Aziz, K. (U.S.A.)

## SW 18 Errors in Laboratory Medicine

Wednesday, May 30th 14.00 - 15.45 SMETANA

### Chairpersons:

Bonini, P.A. (Italy)  
Sonntag, O. (Germany)

### Lectures:

**Introduction**

Bonini, P. (Italy)

**Risk of Errors in Complex Health Care Delivery Systems - A Multidimensional Approach**

Bonini, P. (Italy)

**Errors in Laboratory Medicine**

Plebani, M. (Italy)

### Results of Interference Studies

Sonntag, O. (Germany)  
**Blood Substitutes and their Impact on Laboratory Medicine**  
Glick, M. (U.S.A.)

**SW 19 Modern Technologies**  
Wednesday, May 30th 16.15 - 18.00 DVORAK

#### Chairpersons:

Wevers, R. (The Netherlands)  
Adam, T. (Czech Republic)

#### Lectures:

**Nuclear Magnetic Resonance**  
Wevers, R. (The Netherlands)  
**Capillary Electrophoresis**  
Adam, T. (Czech Republic)  
**Microdialysis**  
Ungerstedt, U. (Sweden)

**SW 20 Global Aspects of Regulations for in vitro Diagnostics (IFCC SD 2nd part)**

Wednesday, May 30th 16.15 - 18.00 JANACEK

#### Chairpersons:

Forest, J.-C. (Canada)  
Ratcliffe, J. G. (United Kingdom)

#### Lectures:

**The IFCC Reference System**  
Forest, J.-C. (Canada)  
**Reference Systems in Clinical Enzymology**  
Siekman, L. (Germany)  
**Standardisation in Plasma Proteins: The Effects of CRM 470**  
Johnson, A.M. (U.S.A.)  
**Universal Standardisation of Glycohemoglobin (HbA1c)**  
Miedema, K. (The Netherlands)  
**Standardisation of Steroid Immunoassays**  
Thienpont, L. (Belgium)

**SW 21 Harmonisation of EQA Schemes**

Wednesday, May 30th 16.15 - 18.00 SMETANA

#### Chairpersons:

Libeer, J.-C. (Belgium)  
Friedecky, B. (Czech Republic)

#### Lectures:

**Is there a Need for Harmonisation of EQA Schemes or is this a Fashion?**  
Libeer, J.-C. (Belgium)  
**Sharing Common Control Materials between EQAS organisers**  
Geilenkeuser, W.J., Friedecky, B. (Germany, Czech Republic)  
**Harmonisation of Acceptance Limits in EQA schemes**  
Ricos, C. (Spain)  
**EuroEQAS for Allergen Specific IgE - an Example of International Collaboration**  
Ward, A.M. (United Kingdom)  
**Current Practice Concerning Method Information and Method Groups in European EQA Schemes**  
Steensland, H. (Norway)

**SW 22 Free Radicals**

Thursday, May 31st 8.30 - 10.15 DVORAK

#### Chairpersons:

Naskalski, J. (Poland)  
Vavrova, J. (Czech Republic)

#### Lectures:

**Oxidative Stress and its Modification by Antioxidants in Kidney Diseases**  
Racek, J. (Czech Republic)

### Biological functions of protein oxidative modifications

Naskalski, J. (Poland)  
**Alterations of Antioxidant Enzymes and Oxidative Stress Markers Related to Aging**  
Ozben, T. (Turkey)  
**Analytical Aspects of Oxidative Stress**  
Vavrova, J. (Czech Republic)

**SW 23 Nutrition**

Thursday, May 31st 8.30 - 10.15 JANACEK

#### Chairpersons:

Shenkin, A. (United Kingdom)  
Zadak, Z. (Czech Republic)

#### Lectures:

**Biochemical Markers of Nutritional Status**  
Shenkin, A. (United Kingdom)  
**Nutrition, Antioxidants and the Assessment of Antioxidant Status**  
Biesalski, H. (Germany)  
**Effects of Diet on Lipids and Lipoproteins**  
Zadak, Z. (Czech Republic)

**SW 24 Biochemistry of Aging**

Thursday, May 31st 8.30 - 10.15 SMETANA

#### Pending

**SW 25 Signal Transduction**

Thursday, May 31st 10.45 - 12.30 DVORAK

#### Chairpersons:

Zima, T. (Czech Republic)  
Azzi, A. (Switzerland)

#### Lectures:

**Signal Transduction and Laboratory Medicine - From Science to Routine**  
Zima, T. (Czech Republic)  
**Signaling Cascades Coordinating Cell Cycle Progression in Normal versus Cancer Cells**  
Bartek, J. (Denmark)  
**Regulation of Tyrosine Phosphorylation Circuits: Src and Abl as Dynamic Protein Interaction Machines**  
Superti-Furga, G., Barila, D., Cipriani, F., Dorey, K., Engen, J.R., Gonfloni, S., Kretzschmar, J., Mangano, R., Pluk, H. (Germany)  
**Membrane Signalling in vitro; The Use of Phagosomes as a Model System to Address the Regulation of Membrane-dependant Actin Nucleation**  
Griffiths, G. (Germany)  
**Specific Cellular Responses to Alpha-Tocopherol**  
Azzi, A. (Switzerland)

**SW 26 Cerebrospinal Fluid Analysis**

Thursday, May 31st 10.45 - 12.30 JANACEK

#### Chairpersons:

Adam, P. (Czech Republic)  
Felgenhauer, K. (Germany)

#### Lectures:

**The Present Status of CSF Analysis in Europe**  
Felgenhauer, K. (Germany)  
**Diagnostic Potential of CSF Cytology**  
Adam, P., Sobek, O., Taborsky, L., Prucha, M. (Czech Republic)  
**Do we Have Reliable Biochemical Markers for the Disease Dynamic of Multiple Sclerosis**  
Thompson, E.J. (United Kingdom)  
**The Antibody Specificity Index as the Most Sensitive Parameter for Autoimmune and Infectious Diseases of the Central Nervous System**  
Wildemann, B. (Germany)

### CSF Alterations upon beta-Interferon Therapy

Trojano, M. (Italy)

**SW 27 Allergy and Autoimmunity**

Thursday, May 31st 10.45 - 12.30 SMETANA

#### Chairpersons:

Zinder, O. (Israel)

#### Lectures:

**Tissue Transglutaminase - Serology Markers of Coeliac Disease**  
Kocna, P. (Czech Republic)  
**Pending**  
Mocarelli, P. (Italy)  
**Apoptosis and Autoimmunity: Facts or Artifacts?**  
Vermes, I. (The Netherlands)

### Plenary lectures

**PL 1**

Monday, May 28th 8.30 - 9.30 DVORAK

#### A Global Perspective - Understanding the Social, Economic and Ethnic Factors in the Atherosclerosis Epidemic

McQueen, M. (Canada)

**PL 2**

Tuesday, May 29th 8.30 - 9.30 DVORAK

#### DNA Microchips

Kricka, L. J. (U.S.A.)

**PL 3**

Wednesday, May 30th 8.30 - 9.30 DVORAK

#### Towards Quality in Clinical Chemistry and Laboratory Medicine

Mueller, M. M. (Austria)

**PL 4**

Thursday, May 31st 13.30 - 14.30 DVORAK

#### Pending

### Industry Sponsored Workshops

**ISW 03 In vitro Testing and Effective Medical Interventions (EDMA Symposium)**

Sunday, May 27th 14.15 - 15.45 Hall: STAMIC

#### Chairpersons:

Place, J. (Belgium)  
Burtis, C.A. (U.S.A.)

**ISW 07 Pending (sponsored by Axis)**

Monday, May 28th 12.30 - 14.00 Hall: STAMIC

**ISW 08 The Evolution of Cardiac Troponin I: Testing in 2001 and Beyond (sponsored by Beckman Coulter)**

Monday, May 28th 12.30 - 14.00 Hall: MARTINU

#### Lectures:

**Establishing Design and Performance Criteria for the Next Generation of Cardiac Troponin I Assays**  
Smith, D. (U.S.A.)

**The New Access Troponin I Assay, Does it Measure Up? Results from a Multicenter Evaluation**

Wu, A. (U.S.A.)

**Prognostic Performance of the New Access Troponin I in Patients with Unstable CAD: A FRISC II Sub-study**

Venge, P. (Sweden)

**ISW 09 Perspectives on Laboratory Efficiency Solutions (sponsored by Abbott)**

Monday, May 28th 14.15 - 15.45 Hall: STAMIC

**Chairpersons:**

Messeri, G. (Italy)

**Lectures:**

**Pre-Analytical Automation, Efficiencies and Cost Benefits**

Demers, L.M. (U.S.A.)

**Assessing Laboratory Engineering Solutions**

Arosio, E. (Italy)

**Networking in Point-of-Care Testing: An Automated Solution for Improved Patient Management**

Taylor, R. (United Kingdom)

**ISW 10 Implementation of POCT as Managed Clinical Tool (sponsored by Roche)**

Monday, May 28th 14.15 - 15.45 Hall: MARTINU

**Lectures:**

**POCT as Part of the Laboratory Toolbox**

Blick, K. (U.S.A.)

**Information Integration Making POCT Manageable**

Ferguson, J. (United Kingdom)

**Workflow and Cost Considerations in Critical Care Testing**

Tiran, A. (Austria)

**Myocardial Injury of Non-ischemic Origin**

Englis, M. (Czech Republic)

**ISW 11 New Concepts in Laboratory Diagnostics (sponsored by Orion)**

Monday, May 28th 16.15 - 17.45 Hall: STAMIC

**Chairpersons:**

Suominen, P. (Finland)

Groop, P.-H. (Finland)

**Lectures:**

**Microalbuminuria - A Strong Predictor of Cardiovascular Complications**

Groop, P.-H. (Finland)

**The Measurement of Serum Soluble Transferin Receptor**

Suominen, P. (Finland)

**Elevated Serum Carboxyterminal Telopeptide (ICTP) Predicts Decreased Survival in Breast Cancer Patients with Only Bone Metastases**

Leitzel, K. (U.S.A.)

**ISW 12 Anemia of Chronic Disease - Diagnosis and Therapy (sponsored by Roche)**

Monday, May 28th 16.15 - 17.45 Hall: MARTINU

**Chairpersons:**

Thomas, L. (Germany)

**Lectures:**

**Cellular Iron Metabolism**

Ponka, P. (Canada)

**Crosstalk Between Iron and Cellular Immune Function**

Weiss, G. (Austria)

**Disorders of Iron Metabolism**

Wick, M. (Germany)

**Diagnosis of Anemia of Chronic Disease (ACD)**

Thomas, L. (Germany)

**Erythropoietin and i.v. Iron in Patients with Anemias of Chronic Disease**

Kaltwasser, J.P. (Germany)

**ISW 13 Pharmacogenomics (sponsored by Bayer)**

Tuesday, May 29th 12.30 - 14.00 Hall: STAMIC

**Chairpersons:**

Neuman, R. (Germany)

**Lectures:**

**Introduction to Pharmacogenomics at Bayer**

Kroll, W. (Germany)

**Pharmacogenomics and NAD from the Perspective of a Laboratory**

Bartel, J. (Germany)

**Ethics and Pharmacogenomics**

Doerfler, W. (Germany)

**ISW 14 Pending (sponsored by Roche)**

Tuesday, May 29th 12.30 - 14.00 Hall: MARTINU

**ISW 15 Disease State Management**

Tuesday, May 29th 14.15 - 15.45 Hall: STAMIC

**Lectures:**

**Transplantation Management Cardiovascular Disease State Management**

**ISW 16 Biochip Array Technology (sponsored by Randox)**

Tuesday, May 29th 14.15 - 15.45 Hall: MARTINU

**Chairpersons:**

Orsulak, P.J. (U.S.A.)

**ISW 17 Quality Control and External Quality Assessment Programs in Biochemical Laboratory (sponsored by Bio-Rad)**

Tuesday, May 29th 16.15 - 17.45 Hall: STAMIC

**Lectures:**

**Quality Issues in Down Syndrome Screening**

Sherwood, R.A. (United Kingdom)

**Specimen Materials for an Effective EQAS/PT Program**

Miller, G.W. (U.S.A.)

**Bio-Rd Products and Services**

Gafney, B., Cooper, G.

**ISW 19 Point-of-Care and its Requirements (sponsored by Bayer)**

Wednesday, May 30th 12.30 - 14.00 Hall: STAMIC

**Chairpersons:**

Price, C.P. (United Kingdom)

**Lectures:**

**Clinical Outcomes of Point-of-Care Testing**

Price, C. (United Kingdom)

**Economic Outcomes of Point-of-Care Testing**

Braun, S. (Germany)

**The Role of the Central Laboratory in Point-of-Care Testing**

Gillery, P. (France)

**ISW 20 The Progressive Automation Approach from Beckman Coulter Brings Solutions to your Laboratory (sponsored by Beckman Coulter)**

Wednesday, May 30th 12.30 - 14.00 Hall: MARTINU

**Lectures:**

**Progressive Automation Solutions, The Right Approach**

Ladestein, P.

**How to Prepare yourself for Automation**

Simonsson, P. (Sweden)

**How to Make Automation Work For You**

Shively, K.B. (U.S.A.)

**ISW 21 Future Technology Innovation in Health Care (sponsored by Abbott)**

Wednesday, May 30th 14.15 - 15.45 Hall: STAMIC

**Chairpersons:**

Michel, G. (Germany)

**Lectures:**

**Future Technology Innovation in Healthcare**

Dwyer, W. (U.S.A.)

**ISW 22 At the Point of Care: Clinical and Laboratory Perspectives - From Measurement to Diagnostics to Disease Management (sponsored by Agilent Technologies)**

Wednesday, May 30th 14.15 - 15.45 Hall: MARTINU

**Chairpersons:**

Bonini, P.A. (Italy)

**Lectures:**

**The Laboratory Role in Point of Care Testing: Practical Advice for Evaluation and Implementation**

Marocchi, A. (Italy)

**A Clinician's Perspective of Point-of-Care Testing: Present Clinical Issues and Future Needs**

Zaloga, G.P. (U.S.A.)

**ISW 25 Taking Allergy Testing to the Next Level (sponsored by Bayer)**

Thursday, May 31st 9.00 - 10.30 Hall: STAMIC

**Chairpersons:**

Sala, M. (France)

**Lectures:**

**Allergy - the Current Situation**

Sala, M. (France)

**Bayer ADVIA Centaur Allergy: New Enhanced Functionality**

Robinson, P. (U.S.A.)

**Bayer ADVIA Centaur Allergy: Trial Results and Impact of the Implementation**

Wesderhuis, B. (The Netherlands)

**The Impact of Serum Allergy Testing on Allergic Disease**

Plebani, M. (Italy)

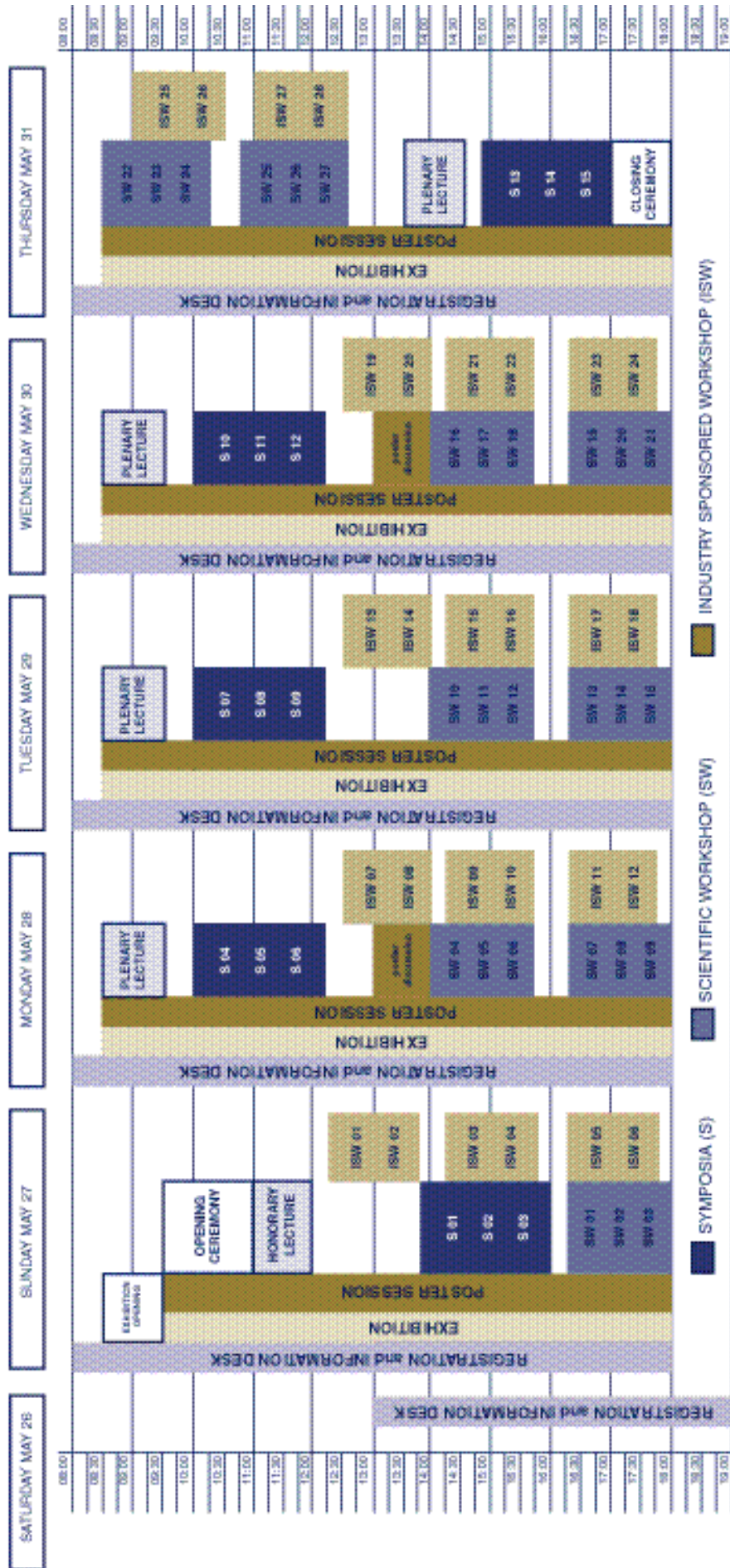
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PRAHA 2001



# Programme Schedule of EUROMEDLAB Prague 2001



## Prague – to be continued from News 1

### JOSEFOV

Prague's old Jewish quarter now mainly occupied by buildings erected since the end of the 19th century. The old part of the former Jewish town is represented by the **Town Hall**, the synagogues and the **State Jewish Museum** with the unique collections on the Jewish faith and life. The oldest synagogue is the Old-New Synagogue, a modest Early Gothic building, one of the oldest **synagogues** still in use in Europe. Open for visitors there are also the Klaus Synagogue, Pinkas Synagogue, Maisl Synagogue, Ceremonial Hall and the 15th century Old Jewish Cemetery with over 20.000 gravestones. In the area of Josefov can be found as well one of the oldest Christian monuments in Bobemia – St. Agnes Convents, a convent of Poor Clares dating from the 13th century which fell into ruin after its dissolution in the 18th century. The whole complex including several churches and chapels was completely rebuilt in 1970s and 1980s and now houses collections from the **National Gallery**.

### NEW TOWN

The New Town of Prague extends around the east and south sides of the Old Town. To be found here there are the busiest shopping streets and commercial areas in Prague. The very centre of the city is represented by the **Wenceslas Square** main Prague's boulevard with the magnificent 19th century building of the National Museum on the top. In the area of the New Town there are concentrated many shops, restaurants, banks, churches and other important sacral and secular buildings of all architectural styles. Among numerous theatres noteworthy are especially

the historical building of the **National Theatre** (1883) with the neighbouring New Theatre and the **State Opera** from 1887.

An important part of the area is also **Vysehrad** – an old stronghold according to the legend the site of Libussa's castle, the cradle of Bobemian history. The first documentary reference however is from the 11th century. The outer walls of the fortress have survived together with Romanesque St. Martin's Chapel and the Church of St. Peter and Paul later reconstructed in Gothic and neo-Gothic styles. Next to the church surrounded by arcades is the Vysehrad cemetery with the „**Slavin**“ (Pantheon) where many famous Czechs are buried.



St. Nicholas Church

Foto L. Novakova

### LESSER TOWN

The Old Town and the Lesser Town are linked by the sixteen-arched Gothic **Charles Bridge** with an open-air gallery of 30 Baroque statues. Both ends of the bridge are decorated by the Gothic bridge towers (14th-15th century). Not far from the bridge is

the Lesser Town Square partly surrounded by arcades and charming old burgher's houses. In the centre of the square you can find the finest Baroque church in Prague – **St. Nicholas's Church** from 1756 with richly furnished interior. The whole area of the Lesser Town is admired for its picturesque narrow streets with old burgher's houses, numerous churches and magnificent palaces and palace gardens – to be mentioned are the Valdstejn Palace and garden with a large Sala Terrena, Ledebour Palace and garden or former Valdstejn Riding School now and exhibition area, worth seeing is also the Vrta Palace with delightful Baroque gardens. One of the favourite places visited by numerous foreign tourists is the **Church of Our Lady Victorious** with famous statuette of the „Christ Child of Prague“ (Baby Jesus of Prague).

Foto L. Novakova

Vysehrad–St. Martins's Chapel



**ABOATECH**  
**AGILENT TECHNOLOGIES**  
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**AXIS-SHIELD**  
**BAYER**  
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**THERMO CLINICAL LABSYSTEMS**  
**TRANSASIA BIO-MEDICALS**  
**LIMITED**



*These are views to the places where we would like to accompany you not only to learn the new things but also their beauty and history.  
Dear readers, may you do not miss this opportunity.*



## Attention, please!!!

Change of deadline of reduced registration fee March 15, 2001

Reminder – deadline of hotel reservation March 15, 2001

Notification on acceptance of abstract after February 15, 2001

### Satellite symposia

#### SAT 01 Beckman Coulter Protein Conference (Satellite Pre-Congress Symposium)

May 25-26, 2001, Corinthia Panorama Hotel

See web site: [www.beckmancoulter.com/beckman/clinddiag/promotions/ifcc\\_protein.asp](http://www.beckmancoulter.com/beckman/clinddiag/promotions/ifcc_protein.asp)

e-mail: [proteins@beckmancoulter.com](mailto:proteins@beckmancoulter.com)

#### SAT 02 EQUALM Meeting - Satellite Symposium

Saturday, June 1, 2001, Hall of Institute for Postgraduate Education, Prague, Budejovicka 15

Contact person: Libeer, J.-C. (Belgium)

## ADDRESSES OF CO-OPERATING INSTITUTIONS

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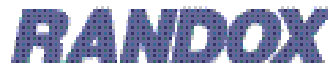
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#### Agentura Triumf Ltd

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