

# 14th ISSS PRELIMINARY PROGRAM

## Tuesday, 30 September

17:00-17:45 Opening ceremony

17:45-18:20 PL1 **Günther Bonn**; Institute of Analytical Chemistry and Radiochemistry, Leopold-Franzens University of Innsbruck, Innrain 52a, A-6020 Innsbruck, Austria:

„New Analytical Solutions for Proteomics in Biomarker Analysis.“

18:20-18:45 KN1 **Salvatore Fanali**; CNR Institute of Chemical Methodologies, Via Salaria I-00016 Rome, Monterotondo Scala, Italy: „Nano-liquid Chromatography-Mass Spectrometry, a new tool for analysis of phytotherapeutic products.“

18:45-19:10 KN2 **Stellan Hjerten**; Department of Pharmaceutical Sciences, Department of Biochemistry and Organic Chemistry, Biomedical Center, Uppsala University, SE-75123 Uppsala, Sweden „Extremely selective artificial antibodies in the form of gel particles, continuous beds (monoliths) and enzyme receptors.“

19:10-19:35 KN3 **Imre Klebovich**; Department of Pharmaceutics, Semmelweis University, Hgyes E. St.7, H-1092 Budapest, Hungary:

„Bioanalytical aspects of *in vitro* and *in vivo* food-drug interactions.“

19:45-21:30 Welcome party

## Wednesday, 1 October

08:30-09:05 PL2 **Philip Marriott**; School of Applied Sciences, RMIT University, AU-3001 Melbourne, Australia: „Putting Separation to Work: The Search for Peak Capacity.“

09:05-09:30 KN4 **Pavel Jandera**; Department of Analytical Chemistry, University of Pardubice, Nam Čs. Legii 565, CZ-53210 Pardubice, Czech Republic:

„Compatibility of mobile phases in two-dimensional LC-LC.“

09:30-09:55 KN5 **Wolfgang Buchberger**; Institute of Analytical Chemistry, Johannes-Kepler-University, Linz, Altenbergerstr. 69, A-4040 Linz, Austria: „Atmospheric pressure photoionization mass spectrometry: A versatile detection tool in analytical separation science.“

09:55-10:20 KN6 **Michel Martin**; ESPCI PMMH, 10 rue Vauquelin, F-75231 Paris Cedex 05, France: „Taylor dispersion analysis of mixtures.“

10:20-10:40 Coffee break

10:40-11:05 KN7 **Thomas Welsch**; Institute of Analytical & Environmental Chemistry, University of Ulm, Albert-Einstein-Allee 11, D-89081 Ulm, Germany:

„Sensitive Extra Column UV/VIS Detection in Micro Scale Separations.“

11:05-11:30 KN8 **Audrius Maruska**; Dept. of Chemistry, Vytautas Magnus University, Vileikos 8, LT-44404 Kaunas, Lithuania: „Continuous bed (monolithic) stationary phases for capillary and microchip format separations: achievements and perspective.“

11:30-11:55 KN9 **Klaus Albert**; Universität Tübingen, Institut für Organische Chemie, Auf der Morgenstelle 18, D-72076 Tübingen, Germany: „Improving the Understanding of the Properties and Retention Behavior of Chemically Bonded Stationary Phases.“

11:55-12:20 KN10 **Corrado Sarzanini**; Department of Analytical Chemistry, University of Torino, Via P. Giuria n. 5, 10125 Torino, Italy: „Mesoporous materials and their performance in chromatographic separations.“

12:20-12:45 KN11 **Joachim Weiss**; Dionex Corporation, International Operations, Am Woertzgarten 10, D-65510 Idstein, Germany „New Ion-Exchange/Reversed-Phase Mixed-Mode Stationary Phases and their Application for Separating Pharmaceuticals.“

12:45-15:00 Lunch break  
14:00-15:00 CEGSS Meeting  
15:00-22:00 Excursion to NP Krka and symposium dinner

## Thursday, 2 October

09:00-09:35 PL3 **Boguslaw Buszewski**; Department of Environmental Chemistry and Bioanalytics, Faculty of Chemistry, Nicolaus Copernicus University, PL-87100 Torun, ul.Gagarina 7, Poland: „Separation science in life chemistry and medical diagnosis.“

09:35-10:00 KN12 **Mira Petrović**; Department of Environmental Chemistry, IIQAB-CSIC, Jordi Girona 18-26, 08034 Barcelona, Spain: „Challenges and achievements of tandem and hybrid LC-MS in environmental analytical chemistry.“

10:00-10:25 KN13 **Hartmut Frank**; Environmental Chemistry & Ecotoxicology, University of Bayreuth, Universitaetsstr. 30, D-95440 Bayreuth, Germany „Chromatography and Analytical Chemistry; the Key Stones for Integrative Ecological Studies.“

10:25-10:50 KN14 **Modest Gertsyuk**; Laboratory of Analytical Chemistry of Environment, Institute of Geochemistry and Environment, National Academy of Science of Ukraine: „Chromatography researches of dwellings air by sanitary epidemiology service in Ukraine with the purpose of determination of its quality.“

10:50-11:10 Coffee Break

11:10-11:35 KN15 **Arye Tishbee**; Chemical Analysis Laboratory, The Weizmann Institute of Science, Rehovot, Israel: „The Use of Ion Mobility, Accurate Mass and UPLC in Profiling and Structure Elucidation.“

11:35-12:00 KN16 **Jasna Peter-Katalinić**; Institute for Medical Physics and Biophysics, University of Münster, Robert-Koch-Str. 31, D-48149 Muenster, Germany: „CE- and HPLC-MS hyphenation for (new) screening strategies in glycomics.“

12:00-12:25 KN17 **Laura Bindila**; Institute for Medicinal Physics and Biophysics, University of Münster, Germany „Nano HPLC enhanced studies: miniaturization and MS hyphenation.“

12:25-12:50 KN18 **Miroslav Šober**; Faculty of Pharmacy, University of Sarajevo, Čekaluša 90, 71000 Sarajevo, Bosnia and Hercegovina: „Chiral Separation in Drug Analysis.“

12:50-13:15 KN19 **Danilo Corradini**; CNR Institute of Chemical Methodologies, I-00016 Rome, Monterotondo Stazione, Italy: „Modulation of Selectivity of Biomolecules in Capillary Electrophoresis and HPLC.“

13:15-15:00 Lunch break

15:00-15:35 PL4 **Gregorio R. Meira**; INTEC (Conicet y U.N.L.), Güemes 3450, 3000 Santa Fe, Argentina: „Polymer Characterization by Combining SEC Measurements with Polymerization Model Predictions: Applications to HIPS, Butadiene Rubbers, and Melamine Resins“

15:35-16:00 KN20 **Dušan Berek**; Slovak Academy of Sciences, Polymer Institute, Dubravska cesta 9, SK-84236 Bratislava, Slovak Republic „Critical Assessment of SEC“

16:00-16:25 KN21 **Rudolf E. Kaiser**; Institute for Chromatography, D-67085 Bad Dürkheim, Germany: "Application of Micro Planar Liquid Chromatography (HPLC)“

16:25-16:50 KN22 **Jozef Lehotay**; Department of Analytical Chemistry, Faculty of Chemical and Food Technology, Slovak University of Technology, Radlinskeho 9, SK-81237 Bratislava, Slovak Republic: „Thermodynamical study of HPLC separation of enantiomers of some sulfoxides using macrocyclic glycopeptides.“

16:50-17:15 KN 23 **Lucija Kralj-Zupančič**; Faculty of Chemistry and Chemical Technology, University of Ljubljana, Askerčeva 5, SL-1000 Ljubljana, Slovenia „Development of analytical methods for routine determination of volatile pesticides“

17:15-17:35 Coffee break

17:35-19:15 Poster session

18:00-19:00 EuSSS Informal Meeting, All Interested invited

### Friday, 3 October

08:30-09:05 PL5 **Đuro Josić**; Proteomic Core, COBRE Center for Cancer Research Development, Rhode Island Hospital, Providence, RI, USA: „Proteomics as a tool for characterization of therapeutic proteins from human plasma“

09:05-09:30 KN24 **Attila Felinger**; Department of Analytical & Environmental Chemistry, University of Pecs, Ifjusag St. 6, H-7624 Pecs, Hungary „Microscopic investigation of mass transfer in liquid chromatography“

09:30-09:55 KN25 **Francesco Dondi**; Department of Chemistry, University of Ferrara, Via L.Borsari 46, I-44100 Ferrara, Italy „Differential FFF: performances and application to investigate biointeractions“

09:55-10:20 KN26 **T. Čepo**; Pliva Hrvatska, Zagreb, Croatia: „High performance mass spectrometry approach to structural characterization of *N*- and *O*- glycoforms in recombinant human glycoproteins,„; Pliva Hrvatska, Zagreb

10:20-10:40 Coffee Break

10:40-11:05 KN 27 **Ljiljana Paša-Tolić**; Macromolecular Structure & Dynamics, William R. Wiley Environmental, Molecular Science Laboratory, Pacific Northwest National Laboratory, 902 Battelle Boulevard Richland, WA 99352, USA: „Integrated top-down and bottom-up LC-MS based strategy for characterizing intact proteins and their modifications,„

11:05-11:30 KN28 **Adam Voelkel**; Poznan University of Technology, Poznan, Poland „Inverse Gas Chromatography in Physicochemical Examination of Nanomaterials“

11:30-11:55 KN29 **Jiri Ševčík**; Department of Analytical Chemistry, Faculty of Science, Charles University Prague, Albertov2030, 12840 Prague 2 Czech Republic:

„Gas Chromatography on the Way to Expert Systems“

11:55-12:20 KN30 **Jan Krupčík**; Department of Analytical Chemistry, Faculty of Chemical and Food Technology, Slovak University of Technology, Radlinskeho 9, SK-81237 Bratislava, Slovak Republic: „Non-modulated transfer of total effluent in GCXGC“

12:20-12:55 PL6 **Pat Sandra**; Separation Sciences, Ghent University, Krijgslam 281-S4 bis, B-9000 Belgium, Belgium: „Green Chromatography.... Illusion or Reality“

12:55-13:15 Best poster awards

13:15-13:30 Closing remarks and next 15<sup>th</sup> ISSS

PL Plenary lecture 35 min ( including discussion)

KN Keynote lecture 25 min (including discussion)