

Posters must be mounted on the assigned boards by 11:00 on Monday, 22 September, 2008 at the latest.

Authors are requested to be present at their posters during the Poster Discussion and Separation Forum on **Monday, September 22, 2008, from 16:20 until 18:00.**

Posters can also be viewed and discussed during the coffee breaks.

## BIOANALYSIS OF BIOPHARMACEUTICALS

- 1 Development of RP-HPLC method for the analysis of lenograstim (rHuG-CSF) and induced oxidized forms**  
J. Tonic-Ribarska, S. Trajkovic-Jolevska, K. Brezovska, A. Dimitrovska, University „Ss Cyril and Methodius“, Skopje/MK
- 2 Age related variations in the activity of salivary lysozyme**  
A. Rezaee, Guilan University of Medical Sciences, Rasht/IR; R. Sariri, University of Guilan, Rasht/IR; A. Erfani, Iran University of Medical Sciences, Tehran/IR
- 3 Use of chromatographic techniques to improve mass spectral analysis for identification and quantitative analysis of peptides and glycopeptides**  
S. Harden, Waters AG, Baden-Daettwil/CH; T. Wheat, B. Gillece-Castro, D. Diehl, Waters Corporation, Milford, MA/USA
- 4 Identification of insulin in illicit drugs by capillary electrophoresis**  
V. Piette, Scientific Institute of Public Health, Bruxelles/B

## SELECTIVITY AND EFFICIENCY IN BIOPOLYMERS SEPARATIONS

- 5 Study of RNA-protein interaction in MAP kinase signaling by affinity capillary electrophoresis with a carboxylated capillary**  
A. Taga, Kinki University, Osaka/J; A. Sato, K. Suzuki, GL Sciences Inc., Fukushima/J; S. Kodama, Toyama Institute of Health/J; R. Sato, S. Ishiwata, R. Sugiura, Kinki University, Osaka/J

## POSTER PROGRAMME

- 6 **Pseudo-affinity capture of cell culture derived influenza virus particles by sulphated cellulose membranes – an economic tool for vaccine production**  
L. Opitz, N. Solf, U. Reichl, M.W. Wolff, MPI for Dynamics of Complex Technical Systems, Magdeburg/D
- 7 **Characterization of novel high binding capacity IEC resins and applications**  
H. Moriyama, Y. Kubo, Y. Yasuda, K. Muranaka, Tosoh Corporation, Shunan Yamaguchi/J
- 8 **Comparison of the capabilities of UPLC, HPLC and CGE for the analysis of nucleic acids and other large molecules**  
D. Innamorati, J. Carmody, Avatar Pharmaceutical Services, Inc., Marlborough, MA/USA
- 10 **Novel non-porous ion exchangers for biochromatography**  
K. Muranaka, M. Shimada, Y. Kubo, K. Araki, S. Sato, H. Moriyama, Y. Yasuda, K. Nakamura, Tosoh Corporation, Shunan/J
- 11 **Plasma protein adsorption to poly(ethylene oxide) self-assembled surfaces: a surface plasmon resonance study**  
Y. Chang, W.L. Chu, Chung Yuan University, Chung Li/RC; W.Y. Chen, A. Higuchi, National Central University, Chung Li/RC
- 12 **Confocal laser scanning microscopy: pore accessibility determination with single adsorbent particles**  
F. Dimer, University of Karlsruhe/D; E. Knieps-Grünhagen, Research Center Juelich GmbH/D; J. Hubbuch, University of Karlsruhe/D
- 13 **Regulation of sorption selectivity of antibiotics on heteroreticular polymeric sorbents**  
O.A. Pisarev, I.V. Polyakova, Russian Academy of Sciences, St. Petersburg/RUS
- 14 **Equilibrium and kinetics of erythromycin sorption on imprinted polymer beads**  
O.A. Pisarev, N.M. Ezhova, I.S. Garkushina, Russian Academy of Sciences, St. Petersburg/RUS
- 15 **Behavior of HSA on a strong cation exchange resin: experiments and simulation of a bimodal binding mechanism**  
A. Franke, A. Butté, M. Morbidelli, ETH Zurich/CH
- 16 **Generation of enriched-allergen fractions from latex gloves**  
M. Peixinho, N.M. Fernandes, C.T. Tomaz, University of Beira Interior, Covilhã/P

## POSTER PROGRAMME

- 17 **Creation of L-lysine molecularly imprinted sorbents**  
I. Polyakova, N. Ezhova, O. Pisarev, Russian Academy of Sciences, St. Petersburg/RUS
- 18 **Cloning, expression and purification of GABA transporter 1(GAT1)**  
J. Hu, W. Reutter, H. Fan, Charité Berlin/D
- 19 **RP-HPLC peptide retention prediction algorithms for proteomics: how many models do we need?**  
M. Harder, V. Spicer, K.G. Standing, J.A. Wilkins, O.V. Krokhin, University of Manitoba, Winnipeg/CDN
- BIOPROCESSING INCL. PROCESS DEVELOPMENT**
- 20 **Isolation, purification and kinetic properties of fish's (*Abramis ballerus*) blood serum cholinesterase**  
V. Tonkopii, Russian Academy of Sciences, St. Petersburg/RUS
- 21 **Capturing of cell culture derived vaccinia virus by heparin-affinity chromatography**  
M.W. Wolff, MPI for Dynamics of Complex Technical Systems, Magdeburg/D; C. Venzke, University of Magdeburg/D; S. Lehmann, MPI for Dynamics of Complex Technical Systems, Magdeburg/D; S. Post Hansen, R. Djurup, Bavarian Nordic, Kvistgard/DK; R. Faber, Sartorius AG, Göttingen/D; U. Reichl, MPI for Dynamics of Complex Technical Systems, Magdeburg/D
- 22 **Hydrophobic interactions of structurally similar proteins on pH-HIC mixed-mode media**  
K. Becker, L. Bülow, Lund University/S
- 23 **Purification of hemagglutinin from viral and host cell membranes**  
T. Kröber, S. Lehmann, N. Solf, MPI for Dynamics of Complex Technical Systems, Magdeburg/D; U. Reichl, MPI for Dynamics of Complex Technical Systems and University of Magdeburg/D; M.W. Wolff, MPI for Dynamics of Complex Technical Systems, Magdeburg/D
- 24 **Detection of tear lysozyme in menstrual period by HPLC & FPLC**  
V. Jafarian, Islamic Azad University, Zanjan/IR; R. Sariri, F. Pournajafizadeh, H. Ghafouri, University of Guilan, Rasht/IR
- 25 **Evaluating two-dimensional gel electrophoresis as a predictive tool for protein separation during ion-exchange chromatography**  
R.B. Cabrera, P. Zhelyazkova, L. Galvis, H.M. Fernandez-Lahore, Jacobs University, Bremen/D

- 26 **Purification process for monoclonal antibodies without protein a chromatography**  
M. Iten, M. Tschuor, I. König, Zurich University of Applied Sciences, Wädenswil/CH; L. Jacob, A. Stein, Merck KGaA, Darmstadt/D; C. Zaborosch, Zurich University of Applied Sciences, Wädenswil/CH
- 27 **Spherical controlled pore glass beads for affinity chromatography**  
L. Britsch, G. Bienhaus, VitraBio GmbH, Steinach/D
- 29 **Optimisation of temperature induced aqueous two-phase extraction of human antibodies**  
I. Ferreira, A.M. Azevedo, P.A. Rosa, M.R. Aires-Barros, Instituto Superior Técnico, Lisboa/P
- 30 **Cation-exchange adsorption of the two major whey proteins**  
M.H. El-Sayed, H.A. Chase, University of Cambridge/UK
- 31 **Optimization and scale-up of chromatography steps using a mixed-mode and a novel ion exchange sorbent**  
V. Brochier, T. Robin, V. Ravault, A. Schapman, PALL BioSeptra, Cergy Saint Christophe/F
- 32 **The European integrated project AIMS – a comprehensive approach for optimised down-stream processing**  
 A. Górak, TU Dortmund/D
- 33 **Development of an automated high throughput screening method for optimization of inclusion body protein refolding**  
A. Berg, J. Hubbuch, University of Karlsruhe/D
- 34 **Chromatographic and spectroscopic studies of new polymeric reversed phase silica gel**  
T. Satou, H. Miyahara, M. Inoue, AGC Si-Tech Co. Ltd., Kitakyusyu/J
- 35 **Prediction of diffusion coefficients of plasmids**  
 D.M.F. Prazeres, Instituto Superior Técnico, Lisboa/P
- 36 **Purification of plasmid DNA vectors by hydrophobic interaction chromatography using sodium citrate in the mobile phase**  
D.M.F. Prazeres, J.A.L. Santos, S.S. Freitas, Instituto Superior Técnico, Lisboa/P
- 37 **Adaptive signal segmentation as basis for new peak integration algorithms**  
T. Ragg, M. Granzow, quantiom bioinformatics GmbH & Co. KG, Weingarten/D

- 38 **High throughput downstream process development: optimization of a cation exchange chromatography step**  
K. Treier, P. Diederich, A. Siudak, S. Hansen, University of Karlsruhe/D; E. von Lieres, Research Center Juelich GmbH/D; J. Hubbuch, University of Karlsruhe/D
- 39 **A simple method for the one-step preparation of pure neokytorphin, an antibacterial peptide from total porcine haemoglobin peptic hydrolysate by conventional low pressure chromatography**  
D. Vercaigne-Marko, N. Nedjar-Arroume, IUT, Villeneuve d'Ascq/F; I. Vintila, A. Lina, University of Iasi/RO; D. Guillochon, IUT, Villeneuve d'Ascq/F
- 40 **Continuous separation of recombinant streptokinase using HIC-gradient-simulated-moving-bed chromatography**  
P. Sivakumar, J. Guhan, Indian Institute of Technology (Madras), Chennai/IND; L.C. Keßler, A. Seidel-Morgenstern, MPI for Dynamics of Complex Technical Systems, Magdeburg/D; U. Rinas, Helmholtz Centre for Infection Research, Braunschweig/D
- 41 **Plasmid DNA purification by phenyl boronate affinity chromatography**  
A.G. Gomes, A.M. Azevedo, M.R. Aires-Barros, D.M.F. Prazeres, Instituto Superior Técnico, Lisbon/P
- 42 **Importance of non-electrostatic effects for the elution behaviour of proteins in isocratic, step and gradient elutions**  
 K.-M. Behrens, M. Urmann, C. Frech, Mannheim University of Applied Sciences/D
- 43 **Evaluation of a multi-modal high salt binding ion exchange material for the direct capture of antibodies**  
E. Todorova, Mannheim University of Applied Sciences/D; H. Graalfs, Merck KGaA, Darmstadt/D; C. Frech, Mannheim University of Applied Sciences/D
- 44 **Design and engineering of continuous precipitation of an IgM using a stirred tank reactor with coupled diafiltration**  
A. Tscheliessnig, D. Ong, S. Pan, A. Choo, Bioprocessing Technology Institute, Singapore/SGP; A. Jungbauer, University of Natural Resources and Applied Life Sciences, Vienna/A
- 45 **Structural-morphologic and biological characteristics of hybrid selenium containing nanostructures of hybrid selenium containing nanostructures**  
S. Valueva, L. Borovikova, Russian Academy of Sciences, St. Petersburg/RUS