BEST POSTER AWARD @ HPLC 2013
Sponsored by Agilent Technologies

39th International Symposium on

High Performance Liquid Phase Separations and Related Techniques

June 16 – 20, 2013, Amsterdam, the Netherlands

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General Information

Total # of posters	**945**
Participate "Best Poster Award" by jury review	**448**
Participate "Best Poster Award" by public vote	**276**

10 awards, 500 € each

7 awards from the jury, 3 awards in the public vote

BEST POSTER AWARD @ HPLC 2013

PROCESS JURY REVIEW – arranged by Gerard Rozing

- **Posters were divided into 30 groups according to topic and session population**
- **Every group was reviewed by 2 experts jurors**
- **Each team nominated one poster from their group for final round evaluation**
- **All nominated posters receive a certificate.**

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Nominated Posters

Orthogonal ion-pairing reversed phase liquid chromatography purification of TaqMan® probes with bulky fluorophores,
Concordio Anacleto, Roche Molecular Diagnostics, Pleasanton, CA, USA

High performance liquid chromatography mass spectrometry for simultaneous determination of polar pollutants in zebrafish embryos,
Stephan Brox, Helmholtz- Centre for Environmental Research UFZ, Leipzig, Germany

Optimization of Gradient Conditions in Two-dimensional Liquid Chromatography-Micellar Electrokinetic Capillary Chromatography Separations,
Petr Cesla, University of Pardubice, Department of Analytical Chemistry, Czech Republic

Lipidomic Characterization of Vital Porcine Organs using HILIC-HPLC/ESI-MS,
Eva Cífková, University of Pardubice, Czech Republic

LAM: Light-induced modulation for one- and two-dimensional liquid chromatography,
Henrik Cornelisson-van-de-Ven, Van 't Hoff Institute for Molecular Sciences, University of Amsterdam, The Netherlands

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Nominated Posters

Search for markers of bladder cancer with a metabolomic approach,
Antonia García-Fernández, CEMBIO Facultad de Farmacia, Universidad CEU San Pablo, Boadilla del Monte , Spain

A New Stationary Phase for Solid-Phase Extraction with Marshmallow-like Silicone Monoliths,
Gen Hayase, Kyoto University, Japan

Practical observations on the dynamic performance of bare silica in HILIC compared to RPLC,
James Heaton, University of the West of England, Bristol, UK

Synthesis, chromatography, and morphological analysis of a new TMOS/PTMS hybrid capillary monolith,
Kristof Hormann, Philipps-Universität Marburg, Germany

HILIC-Phase Selectivity Chart for characterization of HILIC stationary phases,
Mohammed Ibrahim, University of Alberta, Edmonton, Canada

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Nominated Posters

Nanoscale Characterization of Polymer Monoliths using Atomic Force Microscopy and Confocal Raman Imaging,
Martin Laher, Institute of Polymer Science/JKU Linz, Austria

Detection and Quantification of Electrochemically Generated Metabolites of Thyroxine (T4) by means of LC-ESI-MS and LC-ICP-MS,
Chun Kong Mak, NRW Graduate School of Chemistry, University of Muenster, Germany

Feature detection in LC-MS fingerprints using the Combined matched Gaussian FIlter and two-fold Differentiation with MEDian measures for threshold determination (ComFiDiMed),
Nikoline Juul Nielsen, University of Copenhagen, Denmark

Sensitivity Enhancement in CE-MS Using LVSEP,
Hiroya Ota, Kyoto University, Japan

Determination of macrolide antibiotics in sheep´s milk by molecularly imprinted SPE coupled with HPLC- UV diode-array detection,
Gema Paniagua González, National University of Distance, Madrid, Spain

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Robust phosphoproteome enrichment using titanium (IV) affinity chromatography,
Harm Post, Utrecht University, The Netherlands

Sweeping–large volume sample stacking (LVSS) as two sequential steps for online enrichment of some cancer biomarkers,
Azza Rageh, University of Marburg, Germany

Frontal affinity chromatography method for quick determination and characterization of the inhibitors of tyrosinase in complex mixtures. The comparison of capillary-format miniaturized approach and modified 'staircase' frontal affinity chromatography,
Aleksander Salwinski, Institut de Chimie Organique et Analytique, Orléans, France

Two step pre-concentration at fully microscale column switching capillary LC-MS allowing versatile and sensitive analysis of sulfonamides in aqueous environmental samples,
Alvaro Santos-Neto, University of São Paulo, Brazil

Computational Flow Study of the Optimal Design and Operating Conditions of the Flow Split Ring Used in Parallel Segmented Flow Columns,
Wim Smits, Vrije Universiteit Brussel, Belgium

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SAXS (Small Angle X-Ray Scattering) Investigation of Mesoporous Chromatographic Adsorbents and Correlation with Physisorption Experiments,
Daniela Stoeckel, Justus-Liebig-University Giessen, Germany

Chiral chromatography on solid supported ice stationary phase,
Satsuki Takahashi, Tokyo Institute of Technology, Japan

Dress-up chiral columns for the enantioseparation of amino acids based on fluorous separation,
Kenichiro Todoroki, University of Shizuoka, Japan

Development of an automatic peak detection algorithm for use in liquid chromatography,
Yoachim Vanderheyden, Vrije Universiteit Brussel, Belgium

Unambiguous characterization of glycosylation patterns of monoclonal antibodies - Integrated Use of LC-MS/MS and NMR techniques,
Alena Wiegandt, Insitute of Organic Chemistry - University of Hamburg, Germany

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Nominated Posters

Quantitative, antibody-free LC-MS/MS analysis of recombinant tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) in serum,
Daniel Wilffert, University of Groningen (RUG), The Netherlands

Consequences of the transfer from SFC to HPLC conditions on the overall performance of a chiral zwitterionic ion exchange type CSP,
Denise Wolrab, University of Vienna-Department of Analytical Chemistry, Austria

Design of cyclic olefin copolymer-based microfluidic devices designed for spatial two- and three-dimensional chromatography,
Bert Wouters, Vrije Universiteit Brussel, Belgium

HPLC Method for determination of different forms of cysteine and glutathione in cucumber leaves,
Monika Wyszczelska-Rokiel, University of Lodz, Department of Environmental Chemistry, Poland

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PROCESS JURY REVIEW – Final Round

- **Final review in two groups**
- **Each group was reviewed by 6-7 experts jurors**
- **Every reviewer provides a rank order from which a score was derived**
- **Overall approx. 80 reviewers helped with the evaluation process**

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## PROCESS PUBLIC VOTE – arranged by Martin Lopatka

1. All eligible posters (276) are placed in a random order.
2. Display 5 posters to each conference attendee wishing to cast a vote.
3. The posters are ranked based on their relative quality.
4. Using an implementation of a well established voting algorithm, the Schulze method[1], a global quality ranking is calculated based on the combined votes of the conference attendees.
5. Each generation the posters are re-randomized so that each poster is displayed approximately an equal number of times and in the groupings of 5 are different.

[1]Markus Schulze, A new monotonic, clone-independent, reversal symmetric, and condorcet-consistent single-winner election method, Social Choice and Welfare, volume 36, number 2, page 267–303, 2011. Preliminary version in Voting Matters, 17:9-19, 2003.

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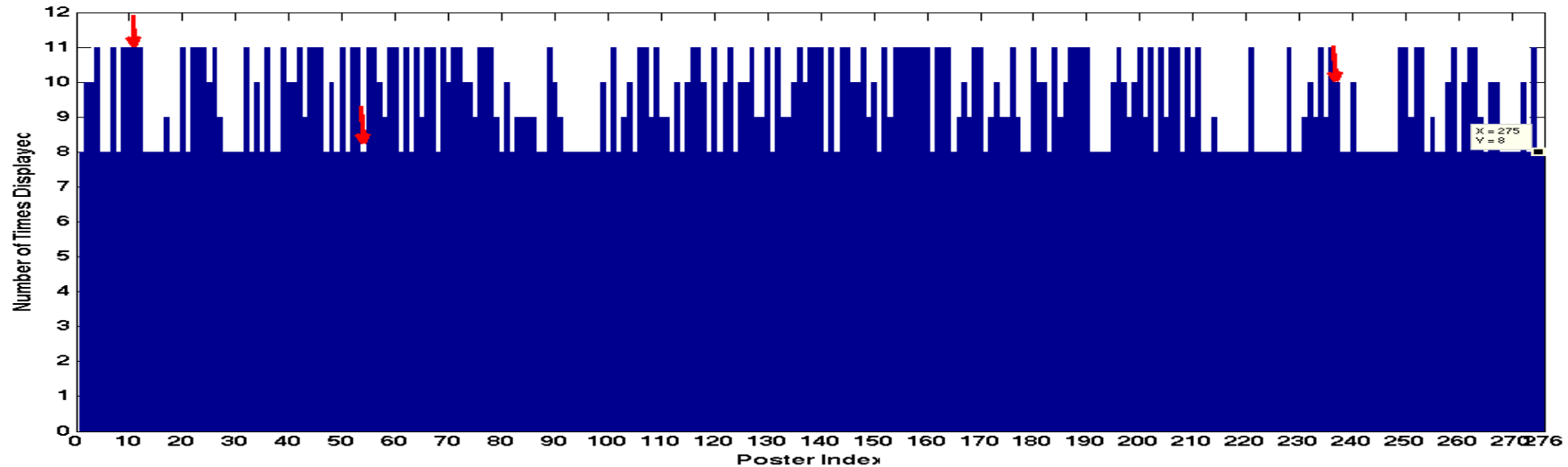
448 votes, each corresponding to a ranking of 5 new posters coming to a total of 2240 poster quality assertions from you the conference attendees.

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AND THE WINNERS ARE:

BY PUBLIC VOTE:

Quantitative Proteomic Profiling with HPLC-MS/MS: Comparison of various labelling strategies using iTRAQ and TMT.
Theresa Kristl of University of Salzburg, Austria

Development of an immunoaffinity sorbent with Fab' antibody fragments for the analysis of neuropeptides by IA-SPE-CE-MS
Fernando Benavente of Department of Analytical Chemistry, University of Barcelona, Spain

LC-MS and LC-MS/MS for Determination of Water-Soluble Vitamins in Foods
Melissa Phillips of NIST, Gaithersburg, USA

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AND THE WINNERS ARE:

BY EXPERT JURY REVIEW:

SEARCH FOR MARKERS OF BLADDER CANCER WITH A METABOLOMIC APPROACH
Antonia García-Fernández of CEMBIO Facultad de Farmacia,
Universidad CEU San Pablo in Boadilla del Monte, Spain

Design of cyclic olefin copolymer-based microfluidic devices designed for spatial two- and three-dimensional chromatography
Bert Wouters of Vrije Universiteit Brussel, Belgium

Quantitative, antibody-free LC-MS/MS analysis of recombinant tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) in serum
Daniel Wilffert of University of Groningen, Netherlands

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AND THE WINNERS ARE:

BY EXPERT JURY REVIEW:

Dress-up chiral columns for the enantioseparation of amino acids based on fluorous separation
Kenichiro Todoroki of University of Shizuoka in Shizuoka, Japan

Nanoscale Characterization of Polymer Monoliths using Atomic Force Microscopy and Confocal Raman Imaging
Martin Laher of Institute of Polymer Science/JKU Linz, Austria

HILIC-Phase Selectivity Chart for characterization of HILIC stationary phases
Mohammed Ibrahim of University of Alberta in Edmonton, Alberta, Canada

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HPLC2013

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AND THE WINNERS ARE:

BY EXPERT JURY REVIEW:

*Computational Flow Study of the Optimal Design and Operating Conditions
of the Flow Split Ring Used in Parallel Segmented Flow Columns*
Wim Smits of Vrije Universiteit Brussel in Kalmthout, Belgium

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