

Fifth Belgian CE-Users Group Meeting

"CE-MS in Pharmaceutical Development and Medical Protein Research"



Het Auditorium
JANSSEN PHARMACEUTICA N.V.
Beerse - Belgium

October 16th 2003
 9.00 - 17.00

Dear,

Capillary electrophoresis (CE) is a powerful analytical technique that is widely applied in different areas of research, including the pharmaceutical and biotechnology field. Compared with other techniques like HPLC, CE offers several advantages, e.g. simplicity, rapid analysis, automation, ruggedness, different mechanisms for selectivity and low cost. These characteristics are very attractive, especially for research and development and in quality control. In the pharmaceutical field, CE at present is mainly used for chiral-, identity- and impurity testing. Particularly in the field of chiral analysis, CE is usually considered as the first-choice method due to its high separation efficiency. The main obstacle preventing CE becoming a first-choice technique for identity and purity analysis at the moment is essentially the state-of-the-art in CE-Mass Spectrometry (CE-MS) coupling. It is quite easy to detect unknown secondary peaks in an electropherogram, whereas the identification remains the problem. Fortunately, different CE manufacturers have commercialized CE-MS systems nowadays.

The Fifth CE Users Group Meeting is the result of a joint effort from people of academia, vendors and industry under the umbrella of the Royal Flemish Chemical Society (KVCV). The event will take place at Janssen Pharmaceutica N.V. (Beerse-Belgium) in order to highlight the user's impact. We will focus on the recent trends and real applications of the CE-MS technique in the pharmaceutical industry and in the field of Proteomics. What are the challenges today and what can be expected in the near future? We will discuss the status and the usefulness of the technique through presentations of interesting applications in the pharmaceutical, biotechnological and biomedical environment. The presentations will be of high scientific level and provided by renowned world experts in the field. The use of CE-MS will always be the key topic of the day in the presentations; however other related techniques may be discussed for comparison and to demonstrate the suitability. During this scientific day, theoretical presentations will be combined with practical demonstrations and exhibitions of the recent developments on CE-MS technology by the equipment vendors. The vendors will use the opportunity for demonstrating their commercial activities related to CE-MS. The speakers are carefully selected in order to guarantee a high level scientific program.

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08.30	Registration
09.15	Welcome by Dr. Frank Floether (Global Head Analytical Development, Johnson&Johnson Pharmaceutical Research and Development (JJ-PRD)) and Dr. Armand Verbueken (the Royal Flemish Chemical Society)
Session 1	Chairman Dr. Ilias Jimidar (JJ-PRD)
09.30 - 10.30	<u>Key note lecture</u> : Dr. Norberto Guzman - Senior Research Fellow, J&J-PRD L.L.C. - Raritan, NJ-USA. "A High-Throughput Method for the Determination of Analytes Present in Complex Mixtures, Employing a Multi-Dimensional Capillary Electrophoresis Instrument Based on Chemical and Bioaffinity Interactions"
10.30 - 11.00	<u>Oral presentation</u> : Dr. Dora Visky - JJ-PRD - Beerse, Belgium "CE-MS in orthogonal chromatography"
11.00 - 11.15	Coffee break
Session 2	Chairman Dr. Tony Houthaev (BASF-KVCV)
11.15 - 11.45	<u>Oral presentation</u> : Prof. Dr. Ad De Jong - University of Utrecht - The Netherlands "Coupling Of Micellar Electrokinetic Chromatography And Mass Spectrometry for the Impurity Profiling of Drugs"
11.45 - 12.15	<u>Oral presentation</u> : Dr. Séverine Duteil - Aventis Pharma - Paris, France "Identification of heparin oligosaccharides by direct coupling between capillary electrophoresis and mass spectrometry"
12.15 - 13.15	Demonstration & Posters.
13.15 - 14.15	Lunch
Session 3	Chairman Prof. Dr. Ann Van Schepdael (K.U.Leuven)
14.15 - 15.00	<u>Key note lecture</u> : Dr. Ian Humphery-Smith - Coordinator of the Human Proteome Project, University of Utrecht - The Netherlands "The entire human proteome & its relevance to the establishment of 'self' & 'non-self.'"
15.00 - 15.30	<u>Oral presentation</u> : Dr. Rudy Grimm - Proteomics Market Development Manager, Agilent Technologies - Waldbronn, Germany "Advanced nanoscale separation and bioinformatics tools for proteomics"
15.30 - 15.45	Coffee break
Session 4	Chairman Dr. Maurits De Smet (JJ-PRD)
15.45 - 16.15	<u>Oral presentation</u> : Dr. Jeff Chapman, Proteomics Business Manager, System Biology, Beckman-Coulter - Fullerton, USA "Applying Integrated Separation Technology to Proteome Discovery"
16.15 - 16.45	<u>Oral presentation</u> : Dr. Katja B. Presto Elgstoen - Inst. of Clinical Biochemistry, Rikshospitalet Oslo - Oslo, Norway "CE-MS in clinical biochemistry"
16.45 - 17.00	Closing
17.00	Drink

You can submit your posters on the related topics to be included during the posters session, to Dr. Ilias Jimidar no later than September the 16th.

Organizing Committee :

Chairman : Ilias Jimidar - JJ-PRD, Janssen Pharmaceutica n.v.
Ann Van Schepdael - K.U.Leuven
Tony Houthaevae - BASF & KVCV
Armand Verbueken - Bayer & KVCV
Etienne Jooken – KHBO & KVCV
Leander Giardina - Agilent Technologies
Karel Lazou - Thermo-Finnigan
Luc Van Laer - Analis s.a./n.v.



Sponsoring :



Registration :

Non KVCV-member	150 €
KVCV-member	120 €
Student Non KVCV-member	75 €
Student KVCV-member	50 €

Register on our webpage :

<http://www.kvcv.be/analytische.htm#CEMS>

Payments :

All payments should be made by bank transfer to :

account n° 431-0684921-71 of KVCV vzw. Sectie Analytische, Celestijnenlaan 200F, B-3001 Heverlee Belgium; at the KBC-bank, Ladeuzeplein 15 B-3000 Leuven (Belgium).
IBAN : BE 49-431068492171
BIC code : KREDBEBB

Please state full name of the participant. Payments must be net of bank charges.



http://www.janssenpharmaceutica.be/jobs/pdf/plan_bersee-n.pdf

Het Auditorium

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