INFORMATION

LACE 2009

Organized by
Area of Analytical Chemistry
San Pablo-CEU University

15th **Latin American** Symposium on Biotechnology, Biomedical,Biopharmaceutical and Industrial Applications of **Capillary Electrophoresis** and Microchip Technology

October 2-6
2009

Sevilla
Spain

Agilent Technologies

EADS CASA

SECYTA
SOCIEDAD ESPAÑOLA DE CROMATOGRAFÍA Y TÉCNICAS AFINES

BECKMAN COULTER

SOCIEDAD DE ESPECTROSCOPIA APLICADA

SEQA
Sociedad Española de Química Analítica

15 th **Latin American** Symposium on Biotechnology, Biomedical,Biopharmaceutical and Industrial Applications of **Capillary Electrophoresis** and Microchip Technology

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ABOUT LACE SYMPOSIUM

LACE (Latin American Capillary Electrophoresis) was created fifteen years ago to engage Latin American scientists in the latest technology for microseparations (specifically capillary electrophoresis and microchip technology). The objectives of the symposium are to foster the development of applications in areas that benefit local needs, to encourage the formation of personal networks to share information related to the advancement of these innovative technologies, and to provide opportunities for students to participate in this dramatic transition to a world in which we can study miniaturized chemical and biochemical interactions and separations. Focused mainly in Latin America, a wide number of prestigious experts in CE from the USA, Spain and other European countries commonly participate in these annual meetings. For the second time, LACE is being celebrated in Europe, as a consequence of its prestigious worldwide reputation.

SCOPE OF THE CONFERENCE

The Latin American Symposium covers the most recent developments in CAPILLARY ELECTROPHORESIS including applications in the following areas:

- SYSTEMS BIOLOGY: METABOLOMICS, PROTEOMICS, AND GENOMICS
- PHARMACEUTICAL APPLICATIONS
- DRUG DISCOVERY, DRUG METABOLISM, AND QUALITY CONTROL
- CLINICAL AND MOLECULAR DIAGNOSTICS - POINT-OF-CARE INSTRUMENTATION
- FORENSICS AND TOXICOLOGY
- BIOMARKER DISCOVERY
- FOOD AND AGRICULTURAL ANALYSIS
- MICRO- AND NANO-FLUIDICS TECHNOLOGIES
- ADVANCES IN MONOLITHIC COLUMNS, PARTICLES, AND STATIONARY PHASES
- MULTI-DIMENSIONAL SEPARATIONS
- INTERFACE TO MASS SPECTROMETRY
- DETECTION METHODS
- METHOD DEVELOPMENT AND OPTIMIZATION
- MULTIPLEXED AND ARRAY SEPARATIONS
- MICROSCALE SAMPLE PREPARATION - PRECONCENTRATION
- ENHANCEMENT OF SENSITIVITY - ALTERNATIVE METHODS
- AFFINITY AND ENZYMATIC METHODS
- ENVIRONMENTAL SCIENCE APPLICATIONS
- EMERGING APPLICATIONS AND PORTABLE INSTRUMENTATION

PRE-SYMPOSIUM COURSE: "CE AND CE-MS: PRINCIPLES AND APPLICATIONS"

OCTOBER 2-3, 2009

DR. NORBERTO A. GUZMAN
DR. ALEJANDRO CIFUENTES
DR. GERARDUS J. DE JONG
DR. GOVERT SOMSEN

FARES

	BEFORE SEPTEMBER, 1ST	AFTER SEPTEMBER, 1ST
SECyTA, SEQA, SEA members (1)	300 €	400 €
Other Participants (1)	400 €	500 €
Students (1,2)	170€	200 €

(1) Book of Abstracts, coffees, lunchs and Gala Cocktail included

(2) To be acredited

GRANTS

SECyTA, SEQA and SEA members can apply for student travel and attendance grants. For furhter information contact the Secretary of the Meeting

CONFIRMED SPEAKERS

PARTICIPANT	TITLE OF PRESENTATION	AFFILIATION
ARCE, LOURDES	30 years of CE in research laboratories: Is it time to find the CE established in routine laboratories?	University of Córdoba. Córdoba, Spain
BARBAS, CORAL	CE and NMR a cross-platform metabolomic study	University San Pablo-CEU, Madrid, Spain
BENAVENTE, FERNANDO	Determination of neuropeptides in biological samples by on-line solid phase extraction-capillary electrophoresis- electrospray-mass spectrometry	University of Barcelona. Barcelona, Spain
CARRASCO, ALEGRIA	Non-aqueous capillary electrophoresis-electrospray-time of flight mass spectrometry to reveal phenolic compounds from olive oil: introducing enriched olive oil directly inside capillary	University of Granada. Granada, Spain
CHANKVETADZE, BEZHAN	Mechanistic aspects of enantioseparations in aqueous and non-aqueous capillary electrophoresis	University of Tblisi. Tblisi, Georgia
CHAPMAN, JEFF	Sheathless nanospray ESI. Linking CE and MS for ultrahigh resolution and sensitivity	Beckman-Coulter.Fullerton, California,
CIFUENTES, ALEJANDRO	Chiral, omics and transgenics in food science	Institute of Industrial Fermentations (CSIC). Madrid, Spain
COSTA, AGUSTIN	MCE-EC, a portable and powerful analytical tool	University of Oviedo.Oviedo, Spain
CROMMEN, JACQUES	Separation and quantification of low amounts of drug enantiomers using chiral non-aqueous CE with charged cyclodextrins coupled to MS	University of Liege. Liege, Belgium
DE FRUTOS, MERCEDES	Immunoaffinity and capillary electrophoresis for the study of biomarker glycoproteins	Institute of Organic Chemistry (CSIC). Madrid, Spain
DE JONG, GERARDUS J.	CE-MS for characterization of biopharmaceuticals	Utrecht University. Utrecht, The Netherlands
DÍEZ-MASA, JOSÉ CARLOS	Poly(methyl methacrylate) Microchips for Electrophoretic Separation of Proteins with Fluorescence Detection	Institute of Organic Chemistry (CSIC) Madrid, Spain
ELGSTOEN, KATJA	Role and evolution of separation science in the diagnosis of inborn error of metabolism	Rikshospitalet University Hospital Oslo, Norway
ESCARPA, ALBERTO	Nanomaterials as electrochemical detectors in capillary electrophoresis microchips: Fundamentals, designs, and applications	University of Alcala. Alcala de Henares, Spain

CONFIRMED SPEAKERS

PARTICIPANT	TITLE OF PRESENTATION	AFFILIATION
EWING, ANDREW	Capillary electrophoretic analysis of single vesicles: What fraction of transmitter is released during exocytosis	University of Gotenburg. Göterborg, Sweden Penn State University.University Park, Pennsylvania, U.S.A.
GARCÍA, ANTONIA	Metabolic fingerprinting of biofluids with capillary electrophoresis	University San Pablo-CEU, Madrid, Spain
GARCIA, CARLOS	On-line preconcentration, tagging, and capillary electrophoresis separation of biogenic amines	The University of Texas at San Antonio San Antonio, Texas, U.S.A.
GONZALEZ, CARLOS	Development of a microfluidic electro- chemical biosensor using photo-defined carbonaceous electrodes	Colorado State University Fort Collins, Colorado, U.S.A.
GUY, GABRIELLE	Improving heat transfer capacity in PDMS microchips	The University of Texas at San Antonio San Antonio, Texas, U.S.A.
GUZMAN, NORBERTO	Determination of predictive toxico- proteomic biomarkers by a point-of-care instrumentation based on immunoaffinity capillary electrophoresis	Princeton Biochemicals Inc. Princeton, New Jersey, U.S.A.
HOLLAND, LISA	Smart materials for added selectivity in electrophoretic separations	West Virginia University Morgantown, West Virginia, U.S.A.
KENNDLER, ERNST	Capillary electrophoresis as a tool to trace the internalization of a virus into a cell	University of Vienna Vienna, Austria
LINDNER, HERBERT		University of Innsbruck Innsbruck, Austria
MARINA, Mª LUISA	Sensitive chiral analysis by CE	University of Alcalá, Alcalá de Henares (Madrid
MAYBORODA, OLEG A.	CE-MS: turning an analytical technique into workflow for metabolic profiling	Leiden University Medical Centre (LUMC) Leiden, The Netherlands
MCCORD, BRUCE	Development of a novel sieving polymer for microfluidic separations	Florida State University Miami, Florida, U.S.A.
NEVES, CARLOS	LOAR 2: Integration of microchip- CE-PED with free Web platforms	The University of Texas at San Antonio San Antonio, Texas, U.S.A.
RIEKKOLA, MARJA-LIISA	Versatility of capillary electromigration techniques: capillary electrophoresis, partial filling affinity capillary electro- phoresis and capillary electrochro-mato- graphy in collagen, lipoprotein and proteoglycan studies	University of Helsinski Helsinki, Finland

CONFIRMED SPEAKERS

PARTICIPANT	TITLE OF PRESENTATION	AFFILIATION
RIOS, ANGEL	Analytical characterization of polymeric substances by capillary electrophoresis	University of Castilla – LaMancha Ciudad Real, Spain
SIMONET, BARTOLOMÉ M.	Carbon nanotubes as analytes and tools in capillary electrophoresis	University of Córdoba Córdoba, Spain
SOMSEN, GOVERT	CE-MS for metabolomics	Utrecht University. Utrecht, The Netherlands
TAVARES, MARINA	Assessment of solute-micelle interactions in electrokinetic chromatography using quantitative structure retention relationships	University of São Paulo São Paulo, Brazil
TRIPODI, VALERIA	The challenge in the bioanalysis of coenzyme Q10 using capillary electrophoresis	University of Buenos Aires Buenos Aires, Argentina
VIZIOLI, NORA	Separation of peptides by open-tubular capillary electrochromatography using (III)-deuteroporphyrin as a covalently attached stationary phase	University of Buenos Aires Buenos Aires, Argentina
WEINBERGER, ROBERT	Capillary Electrophoresis of Heparin: to CE or not to CE, that is still the question	CE Technologies, Inc. Chappaqua, New York, U.S.A.

ABOUT SEVILLE

SEVILLE certainly is one of the most beloved places by visitors to Spain. Although today Moorish influence is architectonically most evident it has been a cultural centre long before. When you visit this city, you are in the very heart of Andalusian culture and Flamenco music. Take yourself time and take life easy, as Andalusians use to do, and interrupt sightseeing from time to time to have "tapas", and consider a few of the following hints to make your stay a memorable one: The impressive cathedral with its tower, Giralda , Seville's landmark. The king's palace Alcazar in its typical Moorish style, surrounded by high walls. The Archivo de Indias , a Renaissance building which serves as an archive of all the documents related with the discovery of America. The Archiepiscopal Palais…. parks, museums and interesting spots everywhere.
For sure as the typical song says: "Sevilla tiene un color especial".

CALL FOR SCIENTIFIC CONTRIBUTIONS

Abstracts from authors for scientific contributions to the LACE 2009 program should be sent to the Secretary of the Symposium before July 30, 2009. Abstracts should be electronically submitted in Word text processor according to the following format:

- English language.
- Typed in single-space and centred in the size A4 page by using 11 pt "Arial" font.
- Text typed within 15 x 22 cm centred space.
- Start title of your communication (BOLD CAPITAL LETTERS), leave one line and write authors names (first name only initial before surname, do not use academic titles), underline the presenting author and live one space.
- Type the institutional addresses and only one e-mail address. Leave one line and type the abstract. Leave one line and type references (authors, journal, issue, year and initial page).

DATES OF INTEREST

ABSTRACT DEADLINE: JULY 30, 2009. EARLY REGISTRATION DEADLINE: SEPTEMBER 1, 2009.

SEND ABSTRACTS BY FAX OR E-MAIL TO:

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