

SECYTA 2018

TUESDAY, OCTOBER 2nd

8:00 h	Registration	
8:45 h	Opening ceremony	
9:00 h	Plenary lecture 1 <i>"Pushing the limits of separations: high speed and high pressure"</i> Robert Kennedy <i>Department of Chemistry, University of Michigan, Ann Arbor, MI, USA</i>	
9:45 h	Oral Session 1 (Clinical Analysis & Other applications)	
9:45 h	O1 <i>"Potential of ion mobility-mass spectrometry for both targeted and untargeted characterisation of phase II steroid metabolites in urine"</i> M. Hernández-Mesa, F. Monteau, B. Le Bizec, G. Dervilly-Pinel <i>Laboratoire d'Etude des Résidus et Contaminants dans les Aliments (LABERCA), Oniris, INRA, Nantes, France</i>	
10:05 h	O2 <i>"LC-MS/MS quantitation of steroid sulfate metabolites to evaluate its potential as markers of testosterone administration"</i> A. Esquivel ^(1,2) , É. Alechaga ⁽¹⁾ , N. Monfort ⁽¹⁾ , R. Ventura ^(1,2) <i>⁽¹⁾Catalonian Antidoping Laboratory, Fundació IMIM, Barcelona, Spain; ⁽²⁾Dept. Experimental and Health Sciences, University Pompeu Fabra, Barcelona, Spain</i>	
10:25 h	O3 <i>"Challenges of miniaturizing triple-quadrupole mass spectrometers while maintaining high performance"</i> P. Jeanville, S. Tichy, L. Pollum, H. Wang, P. Batoon, J. Bertch, K. Newton <i>Agilent Technologies, Santa Clara, CA, USA</i>	
10:45 h	Coffee break & exhibition	Poster session 1 (Clinical Analysis & Environmental analysis)
11:45 h	Plenary lecture 2 <i>"Analysis of complex mixtures by comprehensive two-dimensional gas chromatography-mass spectrometry: non-orientated studies"</i> Lourdes Ramos Rivero <i>Department of Instrumental Analysis and Environmental Chemistry, IQOG-CISC, Madrid, Spain</i>	
12:25 h	Oral Session 2 (Environmental analysis)	
12:25 h	O4 <i>"Target and suspect analytical strategies for the evaluation of contaminants of emerging concern in agricultural soils and crops irrigated with reclaimed wastewater: two years monitoring"</i> A. Agüera ⁽¹⁾ , A.B. Martínez-Piernas ⁽¹⁾ , P. Plaza-Bolaños ⁽¹⁾ , P. Fernández-Ibáñez ⁽²⁾ <i>⁽¹⁾CIESOL, Joint Centre University of Almeria-CIEMAT, Almeria, Spain; ⁽²⁾ University of Ulster, Newtownabbey, Northern Ireland, United Kingdom</i>	
12:45 h	O5 <i>"Simultaneous analysis of glyphosate and its derivative, (aminomethyl)phosphonic acid, in human urine by GC-MS-MS at low ppb levels"</i> E. Junqué, P. Fernández, J.O. Grimalt <i>Institute of Environmental Assessment and Water Research (IDAEA-CSIC), Barcelona, Spain</i>	
13:05 h	O6 <i>"Strategies for target and suspect screening of pharmaceuticals in wastewater effluents using SWATH approach with x500R QTOF"</i> N. Montemurro ⁽¹⁾ , D. Barcelo ^(1,2) , S. Perez ⁽¹⁾ <i>⁽¹⁾Dept. of Environmental Chemistry, Institute for Environmental Assessment and Water Research (IDAEA-CSIC), Barcelona, Spain; ⁽²⁾Catalan Institute for Water Research (ICRA), Parc Científic i Tecnològic, University of Girona, Girona, Spain</i>	
13:25 h	Young scientists session 1 (Clinical Analysis & Other applications)	
13:25 h	Y1 <i>"Rapid identification of synthetic cathinones in seized products taking profit of the full capabilities of triple quadrupole analyser"</i> D. Fabregat-Safont, J. Vicente Sancho, F. Hernández, M. Ibáñez	

	<i>Research Institute for Pesticides and Water, University Jaume I, Castellón, Spain</i>	
13:35 h	Y2 <i>“New analytical proposal to monitor volatile organic metabolites as biomarkers of bacterial spoilage in cosmetics”</i> <u>M. Ceileiro</u> ⁽¹⁾ , E. Varela ⁽²⁾ , M. Penedo ⁽²⁾ , R. Rodríguez ⁽²⁾ , M. Lores ⁽¹⁾ ⁽¹⁾ Dept. Analytical Chemistry, Nutrition and Food Science, Universidade de Santiago de Compostela, Santiago de Compostela, Spain; ⁽²⁾ BIOMIG, Hospital Polusa, Lugo, Spain	
13:45 h	Y3 <i>“Combined use of γ-cyclodextrin and chiral ionic liquids for the enantiomeric separation of homocysteine by capillary electrophoresis”</i> <u>M. Greño</u> ⁽¹⁾ , M.L. Marina ^(1,2) , M. Castro-Puyana ^(1,2) ⁽¹⁾ Dept. Analytical Chemistry, Physical Chemistry and Chemical Engineering, University of Alcalá, Alcalá de Henares, Madrid, Spain; ⁽²⁾ Institute of Chemical Research “Andrés M. del Río”, University of Alcalá, Alcalá de Henares, Madrid, Spain	
13:55 h	Lunch	14:40 h- 15:25 h Coffee seminar (LECO)
15:00 h	Poster session 2 (Sample preparation & Fundamentals & Chemometrics & Industrial processes)	Aportaciones de GCxGC-TOFMS a la seguridad alimentaria. Determinación de MOSH, MOAH Y POSH
16:00 h	Poster Flash session 1	
16:00 h	P1 <i>“Creation of a database of human and veterinary drugs containing their collision cross section as novel characterization parameter”</i> <u>C. Tejada-Casado</u> ⁽¹⁾ , M. Hernández-Mesa ⁽²⁾ , F. Monteau ⁽²⁾ , F.J. Lara ⁽¹⁾ , M. del Olmo-Irueña ⁽¹⁾ , A.M. García-Campaña ⁽¹⁾ , B. Le Bizec ⁽²⁾ , G. Dervilly-Pinel ⁽²⁾ ⁽¹⁾ Dept. Analytical Chemistry, University of Granada, Granada, Spain; ⁽²⁾ LABERCA, Oniris, INRA, Nantes, France	
16:05 h	P2 <i>“Bioaccumulation of polycyclic aromatic hydrocarbons in humans. Differentiation between organs using multivariate discriminant analysis”</i> <u>M. Pastor-Belda</u> ⁽¹⁾ , P. Viñas ⁽¹⁾ , N. Campillo ⁽¹⁾ , N. Arroyo ⁽¹⁾ , M.D. Pérez-Cárceles ⁽²⁾ , C. Torres Sánchez ⁽²⁾ , M. Hernández-Córdoba ⁽¹⁾ ⁽¹⁾ Dept. Analytical Chemistry, University of Murcia, Murcia, Spain, ⁽²⁾ Dept. Legal and Forensic Medicine, Biomedical Research Institute (IMIB-Arrixaca), University of Murcia, Murcia, Spain	
16:10 h	P3 <i>“Determination of synthetic cathinones in urine by solid-phase extraction followed by liquid chromatography-high resolution mass spectrometry”</i> <u>S. Pascual</u> , N. Fontanals, F. Borrull, C. Aguilar, M. Calull <i>Dept. Analytical Chemistry and Organic Chemistry, University Rovira i Virgili, Tarragona, Spain</i>	
16:15 h	P4 <i>“Bioassay-guided isolation of anti-obesity polyphenols from Lippia citriodora”</i> <u>M.L. Cádiz Gurrea</u> ^(1,2) , M. Olivares-Vicente ⁽³⁾ , M. Herranz-López ⁽³⁾ , D. Arráez-Román ^(1,2) , V. Micol ^(3,4) , A. Segura-Carretero ^(1,2) ⁽¹⁾ Dept. Analytical Chemistry, University of Granada, Granada, Spain; ⁽²⁾ Research and Development of Functional Food Centre (CIDAF), Granada, Spain; ⁽³⁾ Institute of Molecular and Cellular Biology (IBMC), University Miguel Hernández, Elche, Alicante, Spain; ⁽⁴⁾ Institute of Health Carlos III (ISCIII), Palma de Mallorca, Spain	
16:20 h	P5 <i>“Analytical challenges associated to the control of fashion cosmetics safety”</i> <u>L. Rubio</u> , E. Guerra, C. Garcia-Jares, M. Lores <i>Dept. Analytical Chemistry, Nutrition and Food Science, University Santiago de Compostela, Santiago de Compostela, Spain</i>	
16:25 h	P6 <i>“IDA and SWATH as non-target acquisition techniques to identify pharmaceuticals in complex environmental matrices”</i> <u>R. Alvarez-Ruiz</u> , Y. Picó <i>Food and Environmental Safety Research Group (SAMA-UV), University of Valencia, Valencia, Spain</i>	
16:30 h	Coffee break & exhibition	
17:00 h	Oral session 3 (Other applications)	
17:00 h	O7 <i>“Enantioselective determination of cathinones in urine by high pressure in-line SPE-CE”</i> <u>A. Pérez</u> , F. Borrull, M. Calull, C. Aguilar	

	<i>Dept. Analytical and Organic Chemistry, University Rovira i Virgili, Tarragona, Spain</i>
17:20 h	O8 <i>"Identification and quantification of volatile NIAS (non intentionally added substances) coming from a starch-base biopolymer intended for food contact by APGC-MS/Q-TOF and GC-MS"</i> <u>J. Osorio</u> , A. López, M. Aznar, C. Nerín <i>Dept. Analytical Chemistry, EINA, University of Zaragoza, Zaragoza, Spain</i>
17:40 h	O9 <i>"Analysis of allergens in fragrance materials using comprehensive gas chromatography in combination with high resolution time-of-flight mass spectrometry"</i> <u>J. Lluch</u> <i>LECO Sep Science Sales Engineer, Madrid</i>
18:00 h	Young scientists session 2 (Environmental analysis & Sample preparation)
18:00 h	Y4 <i>"Flow approaches: automation of sampling and sample preparation as a front end to HPLC"</i> <u>D.J. Cocovi-Solberg</u> , M. Miró <i>Dept. Chemistry, University of the Balearic Islands, Palma de Mallorca, Spain</i>
18:10 h	Y5 <i>"Bioaccumulation of perfluoroalkyl compounds in marine echinoderms: results of laboratory-scale experiments with Holothuria tubulosa"</i> J. Martín ⁽¹⁾ , <u>M.T. García Corcoles</u> ⁽²⁾ , F. Hidalgo ⁽³⁾ , E. Alonso ⁽¹⁾ , J.L. Vilchez ⁽²⁾ , A. Zafra-Gómez ⁽²⁾ <i>(¹)Dept. Analytical Chemistry, University of Seville, Seville, Spain; (²) Dept. Analytical Chemistry, University of Granada, Granada, Spain; (³)Dept. Zoology, University of Granada, Granada, Spain</i>
18:20 h	Y6 <i>"Analytical method development for the determination of hydrophilic marine biotoxins in seawater"</i> <u>C. Bosch-Orea</u> ⁽¹⁾ , J. Sanchís ⁽¹⁾ , D. Barceló ^(1,2) , M. Farré ⁽¹⁾ <i>(¹) Dept. Environmental Chemistry, Institute of Environmental Assessment and Water Research (IDAEA-CSIC), Barcelona, Spain; (²)Catalan Institute for Water Research (ICRA), Girona, Spain</i>
18:30 h	Y7 <i>"A fully automated approach for the analysis of 37 psychoactive substances in wastewater based on on-line SPE-LC-MS/MS"</i> <u>E. López-García</u> ⁽¹⁾ , N. Mastroianni ⁽¹⁾ , C. Postigo ⁽¹⁾ , D. Barceló ^(1,2) , M. López de Alda ⁽¹⁾ <i>(¹) Dept. Environmental Chemistry, Institute of Environmental Assessment and Water Research (IDAEA-CSIC), Barcelona, Spain; (²) Catalan Institute for Water Research (ICRA), Girona, Spain</i>
18:40 h	Y8 <i>"Layer-by-layer deposition versus electrodeposition to prepare silver-based coatings onto braid solid-phase microextraction fibers for the determination of polycyclic aromatic hydrocarbons in waters"</i> <u>A. Gutiérrez-Serpa</u> , D. Schorn-García, V. Pino, F. Jiménez-Moreno, A.I. Jiménez-Abizanda <i>Dept. Chemistry, University of La Laguna, La Laguna, Spain</i>
19:00 h	Buses from the Congress Center for the Guided visit to the "Albayzin" neighbourhood and Cocktail in "Carmen de la Victoria"

WEDNESDAY, OCTOBER 3rd

9:00 h	Plenary lecture 3 <i>"Thousands of separated signals in a four-dimensional separation approach: How can we manage the data?"</i> Oliver J. Schmitz <i>Dept. Applied Analytical Chemistry, Faculty of Chemistry, University of Duisburg-Essen, Germany</i>	
9:45 h	Oral Session 4 (New developments in instrumentation)	
9:45 h	O10 <i>"Identification and quantification of PCDD/Fs, PCBs and PBDEs in environmental samples using gas chromatography coupled to Orbitrap mass spectrometry"</i> <u>J. Parera</u> ⁽¹⁾ , M.G. Martrat ⁽¹⁾ , M.A. Adrados ⁽¹⁾ , J. Sauló ⁽¹⁾ , M. Ábalos ⁽¹⁾ , C.I. Cojocariu ⁽²⁾ , J. Cooper ⁽²⁾ , R. Law ⁽²⁾ , E. Abad ⁽¹⁾ ⁽¹⁾ Laboratory of Dioxins, Environmental Chemistry Department, IDAEA-CSIC, Barcelona, Spain; ⁽²⁾ Thermo Fisher Scientific, Runcorn, Cheshire, United Kingdom	
10:05 h	O11 <i>"Potential of lab-in-syringe technique for automated sample pretreatment coupled online to GC-FID"</i> <u>B. Horstkotte</u> , P. Solich <i>Dept. Analytical Chemistry, Charles University, Hradec Králové, Czech Republic</i>	
10:25 h	O12 <i>"Gas chromatography-anion attachment atmospheric pressure photoionization-high resolution mass spectrometry for the determination of short-chain chlorinated paraffins"</i> <u>J.F. Ayala-Cabrera</u> , M.T. Galcerán, F.J. Santos, E. Moyano <i>Dept. Chemical Engineering and Analytical Chemistry, University of Barcelona, Barcelona, Spain</i>	
10:45	Coffee break & exhibition	Poster session 3 (New developments in instrumentation & Omics techniques & Other applications)
11:45 h	Plenary lecture 4 <i>"New insights into separation techniques for endogenous metabolomic profiling"</i> Serge Rudaz <i>School of Pharmaceutical Sciences, University of Geneva, Switzerland</i>	
12:25 h	Oral Session 5 (Omics techniques & Clinical Analysis)	
12:25 h	O13 <i>"A faster way to electrophoretic mobility: how to enhance the robustness of your CE-MS data with romance"</i> <u>V. González-Ruiz</u> ^(1,2) , S. Codesido ⁽¹⁾ , N. Drouin ⁽¹⁾ , Y. Gagnebin ⁽¹⁾ , J. Schappler ⁽¹⁾ , S. Rudaz ^(1,2) ⁽¹⁾ School of Pharmaceutical Sciences, Universities of Geneva and Lausanne, Switzerland; ⁽²⁾ Swiss Centre for Applied Human Toxicology, Switzerland	
12:45 h	O14 <i>"On-line solid-phase extraction capillary electrophoresis-mass spectrometry for the analysis of circulating microRNAs and their post-transcriptional modifications in cancer serum"</i> <u>F. Benavente</u> ⁽¹⁾ , R. Pero-Gascon ⁽¹⁾ , M.V. Berezovski ⁽²⁾ , J. Barbosa ⁽¹⁾ , V. Sanz-Nebot ⁽¹⁾ ⁽¹⁾ Dept. Chemical Engineering and Analytical Chemistry, Institute for Research on Nutrition and Food Safety (INSA-UB), University of Barcelona, Barcelona, Spain; ⁽²⁾ Dept. Chemistry and Biomolecular Sciences, University of Ottawa, Ottawa, Canada	
13:05 h	O15 <i>"A UNIFI-ed solution for high-resolution drug screening"</i> <u>P. de la Iglesia</u> <i>Waters Cromatografía, S.A. Cerdanyola del Vallès, Barcelona, Spain</i>	
13:25 h	Young scientist sessions 3 (Omics techniques)	
13:25 h	Y9 <i>"CE-MS for metabolome fingerprinting of Leishmania amazonensis infected murine macrophages: deciphering L-arginine metabolism"</i> <u>M.C. Mamani Huanca</u> ⁽¹⁾ , S. Marcia Muxel ^(1,2) , J. Ide Aoki ⁽²⁾ , R. Andrade Zampieri ⁽²⁾ , L.M. Floeter-Winter ⁽²⁾ , C. Barbas ⁽¹⁾ , A. López-Gonzalvez ⁽¹⁾ ⁽¹⁾ Centre of Metabolomics and Bioanalysis (CEMPIO), University San Pablo-CEU; ⁽²⁾ Dept. Physiology, University of São Paulo, São Paulo, SP, Brazil	

13:35 h	<p>Y10 “Study of diabetic nephropathy in HK-2 cells using a metabolomic platform based on liquid chromatography-mass spectrometry” <u>S. Bernardo-Bermejo</u>⁽¹⁾, E. Sánchez-López⁽¹⁾, M. Castro-Puyana^(1,2), S. Benito⁽³⁾, F.J. Lucio-Cazaña⁽³⁾, M.L. Marina^(1,2) ⁽¹⁾Dept. Analytical Chemistry, Physical Chemistry and Chemical Engineering, University of Alcalá, Alcalá de Henares (Madrid), Spain; ⁽²⁾Institute of Chemical Research “Andrés M. del Río” (IQAR), University of Alcalá, Alcalá de Henares, Madrid, Spain; ⁽³⁾Dept. Systems Biology, University of Alcalá, Alcalá de Henares, Madrid, Spain</p>	
13:45 h	<p>Y11 “Improving transferrin purification for the detection of aberrant glycosylation in inflammatory diseases” <u>M. Mancera-Artu</u>⁽¹⁾, E. Giménez⁽¹⁾, J. Sancho⁽²⁾, J. Barbosa⁽¹⁾, V. Sanz-Nebot⁽¹⁾ ⁽¹⁾Dept. Chemical Engineering and Analytical Chemistry, University of Barcelona, Barcelona, Spain; ⁽²⁾ Institute of Parasitology and Biomedicine “López-Neyra” (IPBLN), CSIC, Armilla, Granada, Spain</p>	
13:55 h	Lunch	14:40 h-15:25 h Coffee seminar (AGILENT) Estrategias innovadoras en separación para la mejora de su análisis por MS
15:00 h	Poster session 4 (Food analysis) & Exhibition	
16:00 h	Poster Flash session 2	
16:00 h	<p>P7 “Use of combined analytical techniques to prevent labelling fraud of Iberian ham” <u>A. Martín-Gómez</u>⁽¹⁾, N. Arroyo-Manzanares⁽²⁾, A.I. López-Lorente⁽¹⁾, V. Rodríguez-Estévez⁽³⁾, L. Arce⁽¹⁾ ⁽¹⁾Dept. Analytical Chemistry, Institute of Fine Chemistry and Nanochemistry, Córdoba, Spain; ⁽²⁾Dept. Analytical Chemistry, University of Murcia, Murcia, Spain; ⁽³⁾Dept. Animal Production, University of Córdoba, Córdoba, Spain</p>	
16:05 h	<p>P8 “Headspace solid-phase microextraction gas chromatography-mass spectrometry for the determination of semi-volatile fluorinated compounds in microwave popcorn bags” <u>A. Contreras-Llin</u>, J.F. Ayala-Cabrera, E. Moyano, F.J. Santos Dept. Chemical Engineering and Analytical Chemistry, University of Barcelona, Barcelona, Spain</p>	
16:10 h	<p>P9 “Combined (d)SPE-QuEChERS extraction of mycotoxins in unifeed and analysis by HPLC-HRMS” <u>R. Facorro</u>^(1,2), M. Llompart⁽²⁾, T. Dagnac⁽¹⁾ ⁽¹⁾Galician Agency for Food Quality - Agronomic Research Center (AGACAL-CIAM), A Coruña, Spain; ⁽²⁾Laboratory of Research and Development of Analytical Solutions (LIDSA), University of Santiago de Compostela, Santiago de Compostela, Spain</p>	
16:15 h	<p>P10 “A combined LC-UV-MS and GC-MS approach for authentication of artichoke (Cynara scolymus) supplements for overweight control” <u>A. Mena</u>, S. Rodríguez, A.I. Ruiz-Matute, A.C. Soria, M.L. Sanz Instituto de Química Orgánica General (IQOG-CSIC), Madrid (Spain)</p>	
16:20 h	<p>P11 “Production and comprehensive characterization by LC×LC-PDA-MS of aqueous phases from pyrolysis of different biomasses” <u>E. Lazzari</u>⁽¹⁾, E. Bastos Caramão^(1,2), M. Herrero⁽³⁾ ⁽¹⁾UFRGS, Institute of Chemistry, Porto Alegre, RS, Brazil; ⁽²⁾UNIT, Programa de Pós-Graduação em Biotecnologia Industrial (PBI), Aracaju, SE, Brazil; ⁽³⁾UNIT, Programa de Pós-Graduação em Biotecnologia Industrial (PBI), Aracaju, SE, Brazil; ⁽³⁾Department of Bioactivity and Food Analysis, Institute of Food Science Research (CIAL,CSIC-UAM), Madrid, Spain</p>	
16:25 h	<p>P12 “Comparative study of three extraction protocols for <i>Viscum album</i> L. proteins” <u>M. Vergara-Barberán</u>⁽¹⁾, M.J. Lerma-García⁽¹⁾, M. Nicoletti⁽²⁾, E.F. Simó-Alfonso⁽¹⁾, J.M. Herrero-Martínez⁽¹⁾, E. Fasoli⁽²⁾, P. Giorgio Righetti⁽²⁾ ⁽¹⁾Dept. Analytical Chemistry, University of Valencia, Burjassot, Valencia, Spain; ⁽²⁾Department of Chemistry, Materials and Chemical Engineering “Giulio Natta”, Politecnico di Milano, Milan, Italy</p>	
16:30 h	Coffee break & exhibition	
17:00 h	Young scientists session 4 (Omics Techniques & Food analysis)	

17:00 h	<p>Y12 “UHPLC-IMS-QTOF MS metabolomics for biomarker discovery of orange dietary intake” <u>L. Lacalle</u>⁽¹⁾, T. Portolés⁽¹⁾, J.V. Sancho⁽¹⁾, F.J. López⁽¹⁾, C. Ortega^(2,3), E.M. Assensio^(2,3), O. Coltell^(3,4), D. Corella^(2,3) ⁽¹⁾Research Institute for Pesticides and Water (IUPA), University Jaume I, Castellón, Spain; ⁽²⁾ Dept. Preventive Medicine, University of Valencia, Valencia, Spain; ⁽³⁾ CIBER OBN, Institute of Health Carlos III (ISCIII), Madrid, Spain; ⁽⁴⁾ Dept. Computer Languages and Systems, University Jaume I, Castellón, Spain</p>
17:10 h	<p>Y13 “Development of a new methodology for the analysis of bioactive oligosaccharides by comprehensive two-dimensional hydrophilic interaction×reversed phase liquid chromatography” <u>A. Martín</u>⁽¹⁾, A.I. Ruiz-Matute⁽¹⁾ M.L. Sanz⁽¹⁾, F.J. Moreno⁽²⁾, M. Herrero⁽²⁾ ⁽¹⁾Institute of General Organic Chemistry (IQOG-CSIC), Madrid, Spain; ⁽²⁾ Institute of Food Science Research (CIAL), CSIC-UAM, Madrid, Spain</p>
17:20 h	<p>Y14 “Isolation and characterization of A- and B- type of cocoa proanthocyanidins by HPLC-QTOF-MS/MS” S. Toro-Uribe⁽¹⁾, <u>G. Álvarez-Rivera</u>⁽²⁾, J.A. Perea Villamil⁽³⁾, L. López-Giraldo⁽¹⁾, E. Ibáñez⁽²⁾, M. Herrero⁽²⁾ ⁽¹⁾School of Chemical Engineering, Food Science & Technology Research Center (CICTA), Universidad Industrial de Santander, Bucaramanga, Colombia; ⁽²⁾ Foodomics Laboratory, Institute of Food Science Research (CIAL, CSIC), Madrid, Spain; ⁽³⁾ School of Chemistry, Food Science & Technology Research Center (CICTA), Universidad Industrial de Santander, Bucaramanga, Colombia</p>
17:30 h	<p>Y15 “Determination of pigments in edible oils by LC-MS: characterization and fraud detection” <u>A. Arrizabalaga-Larrañaga</u>⁽¹⁾, P. Rodríguez⁽²⁾, M. Medina⁽²⁾, F.J. Santos⁽¹⁾, E. Moyano⁽¹⁾ ⁽¹⁾Dept. Chemical Engineering and Analytical Chemistry, University of Barcelona, Barcelona, Spain; ⁽²⁾Agri-Food Laboratory, Government of Catalonia, Cabrils, Spain</p>
17:40 h	<p>Y16 “Analysis of 52 pesticides in fresh fish muscle by dispersive solid phase extraction with QuEChERS followed by UPLC-MS/MS analysis” M. Vittoria Barbieri⁽¹⁾, C. Postigo⁽¹⁾, N. Guillem-Argiles⁽¹⁾, L. Simon Monllor-Alcaraz⁽¹⁾, J. Isabelle Simionato⁽²⁾, E. Stella⁽³⁾, D. Barceló^(1,4), M. López de Alda⁽¹⁾ ⁽¹⁾Dept. Environmental Chemistry, IDAEA-CSIC, Barcelona, Spain; ⁽²⁾ Federal University of Technology, Paraná, Brazil; ⁽³⁾ Dept. Civil, Environmental and Mechanical Engineering, University of Trento, Trento, Italy; ⁽⁴⁾Catalan Institute for Water Research (ICRA), Science and Technology Park, University of Girona, Girona, Spain</p>
17:50 h	<p>Tribute to Prof. Dr. Guillermo Ramis O16 “Single-pump heart-cutting two-dimensional liquid chromatography applied to the determination of fatty alcohol ethoxylates” <u>E.F. Simó-Alfonso</u>, A. Escrig-Domenech, G. Ramis-Ramos Dept. of Analytical Chemistry, University of Valencia, Valencia, Spain</p>
18:45 h	SECyTA General Assembly
21:00 h	Cocktail and Conference Dinner at “Carmen de los Chapiteles”

THURSDAY, OCTOBER 4th

9:45 h	<p>Plenary lecture 5 (SECyTA & GRASEQA) <i>“Current trends in sample treatment for environmental analysis”</i> Soledad Muniategui Lorenzo <i>University Institute in Environment, University of A Coruña, A Coruña, Spain</i></p>
10:30 h	<p>Oral Session 6 (Sample preparation & Chemometrics)</p>
10:30 h	<p>O17 <i>“Carbosilane dendrimers and dendrons in protein sample preparation”</i> M.C. García⁽¹⁾, R. Vázquez-Villanueva⁽¹⁾, E. González-García⁽¹⁾, E. Hernández-Corroto⁽¹⁾, F.J. de la Mata⁽²⁾, M.L. Marina⁽¹⁾ <i>(1) Dept. Analytical Chemistry, Physical Chemistry and Chemical Engineering, University of Alcalá, Alcalá de Henares, Madrid, Spain; (2) Dept. Organic Chemistry and Inorganic Chemistry, University of Alcalá, Alcalá de Henares, Madrid, Spain</i></p>
10:50 h	<p>O18 <i>“UHPLC-ESI-MS/MS and UHPLC-ESI-HRMS in the classification and authentication of Spanish paprika with protected designation of origin by chemometrics”</i> S. Barbosa⁽¹⁾, G. Campmajó⁽¹⁾, O. Núñez^(1,2,3), J. Saurina^(1,2), L. Puignou^(1,2) <i>(1)Dept. Chemical Engineering and Analytical Chemistry, University of Barcelona, Barcelona, Spain; (2) Research Institute in Food Nutrition and Food Safety, University of Barcelona, Santa Coloma de Gramanet, Barcelona, Spain; (3) Serra Hunter Fellow, Generalitat de Catalunya, Barcelona, Spain</i></p>
11:10 h	<p>Coffee break & exhibition</p>
11:40 h	<p>Oral Session 7 (Food analysis & Chemometrics)</p>
11:40 h	<p>O19 <i>“Determination of the content of calystegines in tomato-based products applying LC-HRMS”</i> A. Romera-Torres, R. Romero-González, F.J. Arrebola Liébanas, J.L. Martínez Vidal, A. Garrido Frenich <i>Dept. Chemistry and Physics, Analytical Chemistry Area, University of Almería, Almería, Spain</i></p>
12:00 h	<p>O20 <i>“Differentiation of olive oils from the same botanical variety (Arbequina) according to their geographic origin using chromatographic techniques and chemometric tools”</i> D.N. Vera⁽¹⁾, I. Ruisánchez⁽¹⁾, M.P. Callao⁽¹⁾, A.M. Jiménez-Carvelo⁽²⁾, L. Cuadros-Rodríguez⁽²⁾ <i>(1) Dept. Analytical and Organic Chemistry, Rovira i Virgili University, Tarragona, Spain; (2)Dept. Analytical Chemistry, University of Granada, Granada, Spain</i></p>
12:20 h	<p>O21 <i>“Detection and quantification of casein and ovalbumin in Chilean wines with UHPLC/ESI-QQQ-MS/MS and UHPLC-ESI/QTOF-MS/MS”</i> J. Pavón⁽¹⁾, G. Alvarez⁽²⁾, M. Herrero⁽²⁾, A. Cifuentes⁽²⁾, K. Henriquez^(1,3), M. Aranda^(1,3) <i>(1) Dept. Food Science and Technology, University of Concepcion, Concepcion, Chile; (2) Institute of Food Science Research (CIAL-CSIC), Madrid, Spain; (3) Center for Biotechnology, University of Concepcion, Concepcion, Chile</i></p>
12:40 h	<p>Closing Plenary lecture 6 <i>“Advanced analytical strategies in the field of bioactive ingredients”</i> Antonio Segura Carretero <i>Dept. Analytical Chemistry, University of Granada, Granada, Spain</i></p>
13:20 h	<p>Closing ceremony & Awards</p>
13:45 h	<p>Farewell cocktail</p>