



Welcoming words from our director Coral Barbas

Dear All,
This is a brilliant initiative, to keep our group updated with our own activities. Sometimes we are rushing and do not realize all the interesting things that are happening around to our colleagues. How many things in such a short time!! And many more to come, CEMBIO is a lively place. To keep it alive it requires your collaboration, and this idea can be connected with the renovation of the CEMBIO web page: I need volunteers for the content, marketing will do the formatting.

Thank you all!! Coral

Events & Seminars

2nd Agilent European Metabolomics Seminar Tour
Universidad CEU San Pablo, Madrid. 3rd October 2019

Agilent
Participants: All Cembio members
Speakers: Coral Barbas and Fernanda Rey-Stolle

EMBO
excellence in life sciences

EMBO Practical Course: "Metabolomics Bioinformatics in Human Health"
Lyon, France. 16-20th September 2019

Participants: Miguel Fernández García

Modern trends in the use of separation techniques in combination with tandem mass spectrometry for metabolomic-lipidomic-proteomic studies
PerlanLab, PPNT, Gdynia, Poland. 22-28th September, 2019

Perlan Technologies

Participants: Paula Cuevas Delgado and Ángeles López López

MS-Multiplatform Metabolomics Workshop. LC, GC coupled to MS for metabolomics AUTUMN 2019
CEMBIO, Universidad CEU San Pablo, Madrid. 18-29th November, 2019

Participants: Members from Universidad de Castilla-La Mancha

Talks

- Prof. **Serge Rudaz** of University of Geneva, Genève (UNIGE)
- Prof. **Philip Britz-McKibbin** of McMaster University, Hamilton (McMaster)

25th Latin-American symposium on biotechnology, biomedical, biopharmaceutical, and industrial applications of capillary electrophoresis and microchip technology (LACE)
Alcala University, Madrid. 29th September - 2nd October, 2019

Participants: Maricruz Mamani-Huanca, Ángeles López González, Javier Rupérez, Coral Barbas

Congresses

Euroanalysis XX Conference
Istanbul, Turkey. 1-5th September, 2019

euro ANALYSIS
September 1-5 2019

Speaker: Coral Barbas

The 1st Iberian Meeting in Separation Sciences & Mass Spectrometry
- XIX Conference of the Spanish Society of Chromatography and Related Techniques.
- IX Conference of the Spanish Society of Mass Spectrometry.
- VI Conference of the Mass Spectrometry Group of the Portuguese Society of Chemistry.
Santiago de Compostela, Spain. 8-11th October, 2019.

SECYTA

Participants: Angeles López López, Angeles López González, M^a Paz Lorenzo, Vanesa Alonso

The 30th International Symposium on Pharmaceutical and Biomedical Analysis
Tel Aviv, Israel. 15-18th September, 2019

PBA
ON PHARMACEUTICAL & BIOMEDICAL ANALYSIS
15-18 SEPTEMBER 2019, TEL-AVIV

Participants: Coral Barbas and Danuta Dudzik

Publications

Recent Developments Along the Analytical Process for Metabolomics Workflows

Carolina González-Riano et al. *Anal Chem.* October 2019.
DOI: 10.1021/acs.analchem.9b04553.



Troubleshooting in Large-Scale LC-ToF-MS Metabolomics Analysis: Solving Complex Issues in Big Cohorts.

Juan Rodríguez-Coira et al. *Metabolites.* 2019, 9(11), pii: E247. October 2019
DOI: 10.3390/metabo9110247

Development and validation of a High Performance Liquid Chromatography-Tandem Mass Spectrometry method for the absolute analysis of 17 α -D-amino acids in cooked meals.

Cecilia Barbas Bernardos et al. *Journal of Chromatography A.* October 2019
DOI:10.1016/j.chroma.2019.460598.

Metabolomics strategies to discover new biomarkers associated to severe allergic phenotypes

Domingo Barber et al. *Asia Pac Allergy.* 2019, 9(4):e37. October 2019
DOI: 10.5415/apallergy.2019.9.e37

Metabolic impact of partial hepatectomy in the non-alcoholic steatohepatitis animal model of methionine-choline deficient diet

Eugenia Carril et al. *J. Pharm Biomed. Anal.* November 2019
DOI: 10.1016/j.jpba.2019.112958

Functional microbiome deficits associated with ageing: Chronological age threshold

Susana Ruiz-Ruiz et al. *Aging Cell.* November 2019
DOI: 10.1111/acel.13063

Specific Deletion of the Astrocyte Leptin Receptor Induces Changes in Hippocampus Glutamate Metabolism, Synaptic Transmission and Plasticity

Víctor Naranjo et al. *Neuroscience.* November 2019
DOI: 10.1016/j.neuroscience.2019.10.005

FGF21-protection against fructose-induced lipid accretion and oxidative stress is influenced by maternal nutrition in male progeny

Elena Fauste et al. *Journal of Functional Foods.* November 2019
DOI: 10.1016/j.jff.2019.103676

Spotlight

Tomás Barker Tejada

He was awarded with a PhD grant from Universidad CEU San Pablo

(Contrato predoctoral Formación de Personal Investigador (FPI-USP))

CEU
Escuela Internacional de Doctorado

Cecilia Barbas
Has been hired by the Laboratorio Arbitral Agroalimentario, Spanish Ministry of Agriculture. October 2019

David Obeso Montero
Has signed a researcher contract from Universidad CEU San Pablo

Congratulations to all!

Coral Barbas

Once more, our director has been named to the **2019 Power List**, as one of the 50 Most Influential Women in Analytical Chemistry in the World, *The Analytical Scientist*.

Members Corner

CEU
Escuela Internacional de Doctorado

Our colleagues **Alberto Gil** and **David Obeso** have defended their thesis recently, while **Cecilia Barbas** has already defended it as well, on November 21st

Congratulations to all!

Semana Nacional de la Ciencia y la Tecnología 2019

Our colleague **Elisa Zubeldia** participated in the event "Décima Noche Europea de los Investigadores", on September 27th, and in "Semana de la Ciencia", on November 7th

The CEMBIO was visited by the following friends, collaborators and students:

- **Daniel Grech** of University of Malta. (Erasmus Program)
- **Laura Rodas** of Universidad de Oviedo
- **Annalaura Mastrangelo**, Centro Nacional de investigaciones Cardiacas (CNIC)



Christmas dinner
It will be **next 11th of December**, at 21:00 h, in "Sazadon" restaurant, c/ de Gaztambide 44
<https://restaurantesazadon.makro.rest/>

Have something to say?
Send us your suggestions, events, photos, contents and ideas to improve this newsletter!