

Categoría **Oro**

Palex

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COBIOMIC



XX CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOLOGÍA CELULAR



Sede: Rectorado
Universidad de Córdoba

Córdoba

SOCIEDAD
ESPAÑOLA DE
BIOLOGÍA
CELULAR
SPANISH
SOCIETY FOR
CELL BIOLOGY
sebc

**13, 14 y 15 de
noviembre de 2023**



**XX CONGRESO DE LA SOCIEDAD
ESPAÑOLA DE BIOLOGIA CELULAR**
13-15 NOVIEMBRE 2023



Dear friends,

It a great pleasure to invite you to the **XX Congress of the Spanish Cell Biology Society**, to be held in **Córdoba (Spain)** from **13th to 15th November 2023**, leaded Organizing Committee and Scientific Committee of the Spanish Cell Biology Society (SEBC).

The SECB Congress aims to bring together leading academic scientists, researchers, and research scholars to exchange and share their experiences and research results on all aspects of Cell Biology. It also provides a premier interdisciplinary platform to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the areas of Cancer Stem Cells, Cell differentiation and reprogramming, Transcription & translation Chromatin dynamics and epigenetics, Metabolism & signal transduction, and Cell-Microenviroment Interactions, Inmunology, Aging, Senescence, Autophagy and Death, and Neuron Biology.

We believe your presence and participation would be of great interest to the XX Congress of the Spanish Cell Biology Society and to expand your contact network through personal interactions, with national and international researches. This SEBC Congress will be an excellent opportunity to discuss networking and scientific consortia to expand visibility and impact of your research.

We hope and wish to see you in Córdoba, a famous city around the world for its historic old town, full of little streets to be explored, courtyards full of flowers, inviting squares and lively taverns where you can enjoy the local cuisine. We are confident that you will enjoy your stay both scientifically and socially in our city.

With friendly regards,

Maria del Mar Malagón
On behalf of the Organizing Committee
XX Congress of the Spanish Cell Biology Society
Córdoba, 13th to 15th November 2023



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Comité Organizador

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MANUEL D. GAHETE ORTIZ
ROCÍO GUZMÁN RUIZ
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Programa

Lunes, 13 de noviembre

11:00h	Recepción, acreditación-registro y entrega de documentación <i>Reception, accreditation and registration. Documentation delivery</i>
11:45h	Taller Redes Sociales. Sonia Blanco Profesora Titular de la Universidad de Málaga (UMA) Chair: Isabel Burón
12:15h	Acto de Apertura/ Opening Ceremony
12:45h	Conferencia inaugural/ Opening Lecture Intercellular communication in the immune response Francisco Sánchez Madrid Catedrático de Inmunología Universidad Autónoma de Madrid (UAM) Chairs: María Mar Malagón y Rosa Sainz
13:30h	Lunch



15:00h	SESSION 1: AGING, ENERGY BALANCE AND CELL SENESENCE
15:00 -15:25h	CONF. 1. Mitochondria at the interplay of interventions aimed at preserving NAD+ José Manuel Villalba Catedrático de Biología Celular. Universidad de Córdoba (UCO)
15:25- 15:50h	CONF. 2. Innate immune signalling and cellular senescence Juan Carlos Acosta Cobacho Profesor de Investigación. Instituto de Biomedicina y Biotecnología de Cantabria (IBBTec)-CSIC. Universidad de Cantabria
15:50-16:15h	CONF. 3. Cell senescence in development, tissue regeneration, aging and cancer Manuel Collado Rodríguez Investigador I3. Instituto de Investigación Sanitaria de Santiago de Compostela (IDIS)
16:15-16:40h	CONF. 4. Nanoparticles and prodrugs to remove senescent cell Ramón Martínez Catedrático de Universidad, Universidad de Valencia/Centro de Investigación Príncipe Felipe
16:40-17:00h	CONF. TECHNICAL ADVANCES COBIOMIC Chairs: Alberto Diaz-Ruiz e Inés Antón
17:00h	COFFEE & POSTERS

Lunes, 13 de noviembre

18:00h

SESSION 2: NOVEL APPROACHES TO CELL CULTURE: ORGANOIDS AND 3D CULTURE

18:00-18:25h

CONF. 1. Engineering human pluripotent stem cells to understand disease: from 2D to complex organoid model systems

Nuria Montserrat Pulido

Profesora de Investigación ICREA.

Instituto de Bioingeniería de Cataluña en Barcelona

18:25-18:50h

CONF. 2. Developing news melanoma in vitro models to study adipocytes-tumor interaction

Ana Chocarro Calvo

Profesor Contratado Doctor. Universidad Rey Juan Carlos, Madrid

18:50-19:15h

CONF. 3. A 3D vision of adipose tissue

Ana Gordon (Córdoba)

Investigador Instituto Maimónides de investigación Biomédica de Córdoba (IMIBIC)/Universidad de Córdoba (UCO)

19:15-20:05h

SHORT COMMUNICATIONS

20:05-20:25h

CONF. TECHNICAL ADVANCES



Chairs: **Nuria Montserrat y Rocio Guzmán**

21:15h

Recepción de bienvenida/ Welcome Reception
Ofrecida por el **Ayuntamiento de Córdoba**
(Alcázar de los Reyes Cristianos)



XX CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOLOGIA CELULAR

13-15 NOVIEMBRE 2023



Martes, 14 de noviembre

08:30h

SESSION 3: CELL BIOLOGY OF THE NERVOUS SYSTEM

08:30-8:55h

CONF. 1. The key role of TDP-43 in neurodegenerative pathologies
Ana Martínez Gil

Profesora de investigación. Centro de Investigaciones Biológicas Margarita Salas- CSIC. Madrid

08:55-9:20h

CONF. 2. Hypothalamic Cited1: a link between neuroendocrine axes to drive sexual dimorphism in obesity

Ismael González García

Group Leader | Ramón y Cajal Researcher

Center for Research in Molecular Medicine and Chronic Diseases (CiMUS), Santiago de Compostela

09:20-9:50h

SHORT COMMUNICATIONS

09:50-10:10h

CONF. TECHNICAL ADVANCES



Chairs: **Manuel Reina y Alberto Alvarez Barrientos**

10:10h

COFFEE

Martes, 14 de noviembre

XX CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOLOGIA CELULAR

13-15 NOVIEMBRE 2023



10:50-11:35h

PLENARY LECTURE

Force Balance at the centrosome

Manuel Thery

CEA / Institut Pierre-Gilles De Gennes, Paris

Chairs: **María Mar Malagón y Raúl M. Luque**

11:35h

SESSION 4: TRANSCRIPTION AND TRANSDUCTION

11:35-12:00h

CONF. 1. From dusk till dawn, a DNA repair story

Pablo Huertas Sánchez

Profesor Titular. Universidad de Sevilla

12:00-12:25h

CONF. 2. Autism-like phenotype caused by a neuronal-microexon mis-splicing impairing kinetic stability of ribonucleoprotein condensates and regulation of mRNA translation in neurons

Raúl Méndez

Investigador ICREA.

Instituto de Investigación Biomédica (IRB) de Barcelona.

12:25-12:55h

SHORT COMMUNICATIONS

12:55-13:15h

CONF. TECHNICAL ADVANCES

Chairs: **Custodia Jiménez y Manuel D. Gahete**



13:15h

LUNCH & POSTERS

14:30h

SESSION 5: CELL PLASTICITY (STEM CELLS, DIFFERENTIATION, REGENERATION)

14:30-14:55h

CONF. 1. Origins and consequences of stem cell memories

Alejo E. Rodríguez-Fraticelli

ICREA Research Professor, Group leader, IRB (Barcelona).

(VIRTUAL)

14:55-15:20h

CONF. 2. Nature's strategic decisions: the secret dance of dormancy and activation in plant meristems

Pilar Cubas Domínguez

Investigador. Centro Nacional de Biotecnología-CSIC Madrid.

15:20-15:45h

CONF. 3. A stem cell activation state coupling social interactions with spermatogenesis in *Drosophila* males

Salvador C. Herrera

Investigador. Centro Andaluz de Biología del Desarrollo, Sevilla

15:45-16:35h

SHORT COMMUNICATIONS

Chairs: **Pilar Sánchez Testillano y Ana Gordon**



Martes, 14 de noviembre

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13-15 NOVIEMBRE 2023



16:35h COFFEE & POSTERS

17:10h SESSION 6: IMMUNITY AND CANCER

17:10-17:35h CONF. 1. Hepatic immune dysfunction

Rubén Francés

Catedrático Universidad Miguel Hernandez, Elche, Alicante

17:35-18:00h CONF. 2. Understanding the connection between cerebral stroke and cancer for developing innovative therapies

Elena González Rey

Científica Titular del Instituto de Parasitología y Biomedicina López-Neyra-CSIC, Granada

18:00-18:25h CONF. 3. Next generation CAR T cells targeting HER2-amplified tumors

Dr. Joaquin Arribas

ICREA Research Professor, Hospital del Mar Research Institute (IMIM), Barcelona

18:25-19:15h SHORT COMMUNICATIONS

Chairs: **Pedro Fernández Salguero y M^a Paz Herráez**

19:15h ASSEMBLY SEBC

21:30h Cena de clausura / Closing Dinner
Real Círculo de la Amistad
(C/Alfonso XIII, 14)



Miércoles, 15 de noviembre

XX CONGRESO DE LA SOCIEDAD ESPAÑOLA DE BIOLOGIA CELULAR

13-15 NOVIEMBRE 2023



9:00h SESSION 7: METABOLISM & SIGNALING (INTRA- AND EXTRACELLULAR)

9:00-9:25h CONF. 1. Peroxisomes: a redox-signaling node in intracellular communication and stress response

Luisa Sandalio

Profesora de Investigación.

Estación Experimental del Zaidín, CSIC, Granada

9:25-9:50h CONF. 2. An ETFDH-driven metabolon supports OXPHOS efficiency in skeletal muscle by regulating coenzyme Q homeostasis

Beñat Salegi

Researcher at Universidad Autónoma de Madrid

9:50-10:15h CONF. 3. Unlocking the Power of Vitamin D to Halt Colon Cancer Proliferation

Custodia García Jiménez

Profesor titular. Universidad Rey Juan Carlos de Madrid

Chairs: **Antonio Martínez-Fuentes**

10:15-10:55h SHORT COMMUNICATIONS

10:55h COFFEE & POSTERS

11:50h POSTER BLAST PRESENTATION

12:45h CLOSING LECTURE – Aging & Disease

María Blasco

CNIO, Madrid

Chairs: **Raúl M. Luque**

13:30h AWARDS AND CLOSING CEREMONY



Secretaría Técnica


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