

47^oCONGRESO DE LA SOCIEDAD
ESPAÑOLA DE BIOQUÍMICA
Y BIOLOGÍA MOLECULAR

#47congresoSEBBM

SEBBM

CÁCERES
DEL 2 AL 5 DE
SEPTIEMBRE 2025DIPUTACIÓN DE CÁCERES
ÁREA DE CULTURA Y DEPORTESAYUNTAMIENTO
cácerescáceres
patrimonio de la humanidadFundación BBVA
Conferencia Inaugural "Alberto Sols"Fundación
BBVA

Roger Davis

University of Massachusetts

"Molecular Biology and Inflammation"

Fundación Ramón Areces
Conferencia de ClausurafrA | FUNDACIÓN
RAMÓN ARECES

Ana María Cuervo

Albert Einstein College of Medicine

"Selective Autophagy"

IUBMB Plenary Award Lecture



Alexandra Newton

UC San Diego

"PKC Signaling in Health & Disease"

FEBS National Lecture



Paola Pizzo

University of Padua

"Calcium Signaling in Cell Death"

Conferencia Niemeyer



Ariel Alejandro Orellana

Centro de Biotecnología Vegetal, FCDV,
Universidad Andrés Bello. Chile"From Nucleotide Sugar Transporters to
Mining genes for climate Change"

Conferencia Mujer y Ciencia



Diana Guallar

CiMUS, USC

"Epitranscriptome & Ageing"

HISPANO-LUSO SYMPOSIUM (AGING, CANCER AND TELOMERES:
MECHANISMS AND THERAPEUTIC FRONTIERS)

Modera: María Blasco

MARÍA BLASCO Targeting telomeres in cancer and aging
CNIO, Madrid, EspañaMARÍA LUISA CAYUELA Telomerase, Inflammation, and
Intergenerational Relationships: Insights into Rejuvenation
Instituto Murciano de Investigaciones Biosanitarias / CIBERER, MurciaIGNACIO FLORES Alternative Telomere Fusions in Cancer
Centro de Biología Molecular Severo Ochoa (CBM), MadridANA MAGALHÃES Glycans in cancer: from biosynthesis to cellular
function and clinical implications

i3S/ICBAS, Universidad de Oporto, Portugal

SIMPOSIO RAICEX

TACKLING IMMUNOLOGICAL CHALLENGES WITH STATE-OF-THE-ART
TECHNIQUES

Coordina: Celia Escudero Hernández

CELIA ESCUDERO HERNÁNDEZ Defining intestinal
immunopathophysiology: microscopic colitis as a model of low-grade
destruction in inflammatory bowel diseaseInstituto de Biomedicina y Genética Molecular de Valladolid (IBGM),
CSICNURIA GARCÍA DÍAZ High-throughput drug-repurposing screen
identifies FAK as a potential modulator of the suppressive functions of
regulatory T cells Institute for Cancer Research, Oslo University
Hospital, NoruegaESPERANZA RIVERA DE TORRE High-throughput characterization of
allergen three-dimensional epitopes using yeast-display
Center for Antibody Technologies, DTU, Bioengineering, DinamarcaAPPLICATION OF CUTTING-EDGE PROTEOMICS IN BIOMEDICAL AND
CLINICAL RESEARCH

Moderan: Emilio Camafeita y María Gómez Serrano

MARÍA GÓMEZ SERRANO, "Inside out": our experience on subcellular
and extracellular proteomics of adipose cellsInstitute for Tumor Immunology, Philipps University, Marburg,
AlemaniaINMACULADA JORGE, State-of-the-art approaches for the proteome-
wide unbiased analysis of posttranslational modifications in
biomedical research, CNIC, Madrid, EspañaJOHANNES GRAUMANN, Strategies for Translational Proteomics in
Biofluids In Spite of Massive Dynamic Protein ConcentrationInstitute of Translational Proteomics and Core Facility Translational
Proteomics, Philipps University, Marburg, AlemaniaMOLECULAR GENETIC MECHANISMS OF PLANT DEVELOPMENT,
EVOLUTION AND ADAPTATION

Modera: Pilar Cubas

PILAR CUBAS Sleeping buds, surviving plants: axillary bud dormancy, a
dynamic strategy for plant adaptation to environmental change

Centro Nacional de Biotecnología-CSIC, Madrid, España

MIGUEL BLÁZQUEZ Multisensory integration during plant
terrestrialization

Instituto de Biología Molecular y Celular de Plantas, CSIC-UPV, Valencia

FRANÇOIS PARCY, Revisiting flower development in the light of the LFY-
UFO interaction, Université Grenoble Alpes, CNRS, FranciaTHE HEART AT THE CORE: NOVEL INSIGHTS INTO CARDIOVASCULAR
PATHOPHYSIOLOGY

Modera: Pilar Martín

PILAR MARTÍN T cell-derived non-coding RNA in inflammaging and
metabolic imbalance, CNIC, MadridPILAR ALCAIDE T cell immune responses involved in cardiac
pathophysiology

Tufts University School of Medicine, Boston, USA

FRANCISCO SÁNCHEZ MADRID Intercellular communication in the
inflammatory response

Hospital Universitario de La Princesa & UAM, Madrid

AUTOPHAGY IN HUMAN DISEASES

Modera: Patricia Gómez Suaga

PATRICIA GÓMEZ SUAGA A new role for autophagy machinery in
repeat expansion diseases

Universidad de Extremadura, Cáceres, España

CARLOS GUILLÉN VIEJO Role of mTORC1 in the progression to T2DM

Universidad Complutense de Madrid, España

MARÍA JIMÉNEZ SÁNCHEZ Proteostasis mechanisms in glia-neuron
communication in neurodegenerative diseases

King's College London, Reino Unido

DNA BREAK REPAIR IN THE CRISPR ERA

Modera: Felipe Cortés Ledesma

FELIPE CORTÉS LEDESMA A comprehensive catalog of human double-
strand break repair and CRISPR-Cas9 gene editing

CNIO, Madrid, España

EVI SOUTOGLU Genome organization in genome maintenance and
mutagenesis

GDSC, University of Sussex, Reino Unido

FRAN SUPEK Using combinatorial CRISPR/Cas12 edits and mutational
signatures to study genetic interactions in DNA repair pathways

BRIC/UCPH Copenhagen (DK) and IRB Barcelona (ES)

NUTRIENT SIGNALING – FROM SIGNALING TRANSDUCTION TO DISEASE

Modera: Alejo Efeyan

ALEJO EFEYAN Dissection of the molecular effects of dietary restriction
regimes CNIO, Madrid, España

CLAUDIO DE VIRGILIO Metabolic control of TORC1

University of Fribourg, Suiza

RAÚL V. DURÁN Metabolic imbalance as a therapeutic strategy in cancer

CABIMER, Sevilla, España

ADVANCES AND CHALLENGES IN STRUCTURE-BASED DRUG
DISCOVERY

Modera: Chris Tate

CHRIS TATE Cryo-EM and computational biology of GPCRs: accelerating
the development of better drugs

MRC Laboratory of Molecular Biology, Cambridge, Reino Unido

FRANK VON DELFT Faster, Larger, Better XChem: Fast Forward

Fragments for progressing fragment hits

Centre for Medicines Discovery, University of Oxford, Reino Unido

ARMANDO ALBERT Drugging Plants: Leveraging Structure-Based
Strategies to Develop Crop-Enhancing Solutions for Global Warming

Resilience, Instituto Química Física Blas Cabrera, CSIC, España

19 REUNIONES DE GRUPOS
150 CONFERENCIAS
+400 COMUNICACIONES
+600 CONGRESISTAS

Curso Iniciación a la investigación

Foro de desarrollo profesional

Sesiones de Financiación Privada y Filantropía

Reunión Coordinadores de Grado y Máster

SEBBM Junior Section

ORGANIZADORES

Guadalupe Sabio
Centro Nacional de Investigaciones Oncológicas (CNIO)

José Manuel Fuentes
Departamento de Bioquímica y Biología Molecular y Genética/Univ
Extremadura. Cáceres

M. Julia Bragado
Departamento de Bioquímica y Biología Molecular y
Genética/Universidad de Extremadura

Francisco Iñesta
Departamento de Bioquímica y Biología Molecular y
Genética/Universidad de Extremadura

Pilar Martín Fernández
Centro Nacional de Investigaciones Cardiovasculares (CNIC), Madrid.

Patricia González Rodríguez
Instituto de Biomedicina de Sevilla (IBiS)

PREMIOS

Jóvenes Investigadores (FBBVA-SEBBM)

Mejor Tesis Doctoral (Fundación Lilly)

Trayectoria Investigadora (IBUB-SEBBM)

Mejor Artículo (SEBBM-"María Teresa Miras")

Mejor Imágen (CerTest Biotec)

Mujer y Ciencia (SEBBM)

Redes Sociales (SEBBM)

ACTIVIDADES SATÉLITE

La ciencia que cura: más investigación, más vida
(AECC & CRIS)

Homenaje a Margarita Salas y Eladio Viñuela



(Fundaciones Carmen y Severo Ochoa y Margarita Salas)

Ciencia y arte

Magia y ciencia

Homenaje a Federico Mayor Zaragoza y Joan Guinovart

Actividades de divulgación científica y visitas culturales