CAMS 2026

FLASH TALKS PROGRAMME

MONDAY, 20th JULY 2026

Chair: Professor María C. Arufe and Dr. Juan A. Fafián Labora

16.30-18.00H

Targeting Aging Through the Reprogramming Secretome
Raquel Paredes Paredes
Laboratory of Cell Senescence, Cancer and Aging, Center for Research in Molecular Medicine and Chronic Diseases (CiMUS), University of Santiago de Compostela, Health Research Institute of Santiago de Compostela (IDIS), 15782 Santiago de Compostela, Spain

Enhancing Gene Delivery in Mesenchymal Stem Cells through vector engineering and pharmacological priming
Lucía Rodríguez Pérez
Gene and Cell Therapy Group (G-Cel), CICA – Centro Interdisciplinar de Química e Bioloxía, Departamento de Química, Universidade da Coruña, Campus de Elviña, 15071, A Coruña, Spain
Bioinspired Nanochemistry Group (BioNanoChem), CICA – Centro Interdisciplinar de Química e Bioloxía, Departamento de Química, Universidade da Coruña, Campus de Elviña, 15071, A Coruña, Spain

Cellular aging compromises stress-induced autophagic response, linked to Hippo pathway alterations
Denisa M. Manastireanu
Department of Biomedical Sciences, School of Health Sciences, University of Cardenal Herrera CEU, CEU Universities, 46115 Valencia, Spain

Towards senescence reversal in mesenchymal stem cells through niosome-mediated gene delivery
Alba Iglesias Fente
Gene and Cell therapy research group (G-CEL), CICA - Centro Interdisciplinar de Química e Bioloxía, Departamento de Bioloxía, Facultade de Ciencias, Universidade da Coruña, Campus de Elviña 15071 A Coruña, Spain

Zhertin, a ferroptosis-based senolytic with therapeutic potential in aging and cancer
Miguel A. Prados
Laboratory of Cell Senescence, Cancer and Aging, Center for Research in Molecular Medicine and Chronic Diseases (CiMUS), University of Santiago de Compostela, Health Research Institute of Santiago de Compostela (IDIS), 15782 Santiago de Compostela, Spain

TUESDAY, 21st JULY 2026

Chair: Professor María C. Arufe and Dr. Juan A. Fafián Labora

16.30-19.00H

Mitochondrial rRNA pathogenic variation: integrating phylogenetic, structural, and functional information on the mitoribosome clarifies its role in human disease
Antón Vila-Sanjurjo
Grupo GIBE. Departamento de Bioloxía, Facultade de Ciencias e CICA - Centro Interdisciplinar de Química e Bioloxía - Universidade da Coruña, A Coruña, Spain.

Rejuvenation-Linked Interventions Shape Virus–Host Cell Dynamics
Montserrat Pérez-Pérez
Center for Research in Molecular Medicine and Chronic Diseases (CIMUS), University of Santiago de Compostela, 15782, Santiago de Compostela, Spain
Instituto de Investigación Sanitaria de Santiago de Compostela (IDIS), 15782, Santiago de Compostela, Spain

YAP/TAZ role in the response to Trametinib in RAS-mutated thyroid cancer cell lines
Camilla Volpi
Universidade da Coruña, FeMCa, CICA - Centro Interdisciplinar de Química e Bioloxía, Rúa As Carballeiras, 15071, A Coruña, Spain.
Universidade da Coruña, MEtCaEn, Departamento de Fisioterapia, Médicina e Ciencias Biomédicas, Facultade de Ciencias da Saúde, 15006 A Coruña, Spain.
Instituto de Investigación Biomédica (INIBIC), Hospital Universitario de A Coruña, A Coruña, Spain.

Congenital malformations as a consequence of HCMV-induced senescence

Rocío M. Tolosa
Center for Research in Molecular Medicine and Chronic Diseases (CIMUS), University of Santiago de Compostela, 15782, Santiago de Compostela, Spain
Instituto de Investigación Sanitaria de Santiago de Compostela (IDIS), 15782, Santiago de Compostela, Spain

Study of SUR8 deficiency in ageing and frailty through dysregulation of RAS–ERK signaling across metazoan models

Cristina Ortiz
Unidad de Biología Celular, UFIEC, ISCIII. Ctra. de Majadahonda a Pozuelo Km 2. 28220 Madrid, Spain

Development and optimization of stable gold nanoparticles for osteoarthritis therapies

Tania Sampayo Roca
Grupo de Investigación en Terapia Celular y Medicina Regenerativa. Instituto de Investigación Biomédica de A Coruña (INIBIC). Fundación Pública Galega de Investigación Biomédica (INIBIC). Hospital Universitario de A Coruña (HUAC). Servizo Galego de Saúde (SERGAS). Centro Interdisciplinar de Química e Bioloxía (CICA). Universidade da Coruña (UDC). A Coruña.

mtDNA-cGAS-STING Signaling Modulates Cell Plasticity in Lung Adenocarcinoma

Uxía Viqueira Queijo
MitoPhenomics Lab, CiMUS, Unoversity of Santiago de Compostela. USC. 15782. A Coruña, Spain.
Genetics and systems biology Department. MitoPhenomics Lab, E059. Foundation Health Research Institute of Santiago de Compostela. 15706 Santiago de Compostela, A Coruña

Proteomic Characterization of PBMCs in Nephropathic Cystinosis: Lysosomal and mTORC1–TFEB Pathway Dysregulation

Diana Castro
FarmaCHUSLab Group, Health Research Institute of Santiago de Compostela (IDIS), Santiago de Compostela, Spain.

A pH-Sensitive Iron(III) Complex for TNBC Detection by MRI

Laura Otero-García
CAs4MI Group. Universidade da Coruña, CICA, A Coruña, Spain.

Reversibility of the Senescence Growth Arrest after CDK4/6 Inhibitor Therapy
Alex Miralles-Domínguez
Laboratory of Cell Senescence, Cancer and Aging, Center for Research in Molecular Medicine and Chronic Diseases (CiMUS), University of Santiago de Compostela, Health Research Institute of Santiago de Compostela (IDIS), Santiago de Compostela, Spain.

Aging and biological sex differentially shape glycation detoxification systems across tissues
Eloy Bejarano
School of Health Sciences and Veterinary School, Universidad CEU Cardenal Herrera, CEU Universities, Valencia, Spain

Extracellular vesicles derived from senescent tumoral cells are necessary and sufficient to drive paracrine senescence
Valentín Estevez-Souto
CiMUS - Centro Singular de Investigación en Medicina Molecular y Enfermedades Crónicas

Partial epigenetic reprogramming enhances induced pluripotent stem cell-derived retinal pigment epithelial cell (iPSC-RPE) resilience to oxidized low-density lipoprotein-induced damage
Lorena Rodríguez Martínez
Schepens Eye Research Institute of Massachusetts Eye and Ear, Boston, MA, United States.
Ophthalmology, Harvard Medical School, Boston, MA, United States.
Health Research Institute of Santiago de Compostela (IDIS), Santiago de Compostela, Spain.