



Cellular Aging and Metabolism Symposium (CAMS 2024)

FLASH TALKS PROGRAMME

MONDAY, 22nd JULY 2023

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

16.00-18.00 H

The role of factors secreted by pluripotent cells in the modulation of the senescent state

Raquel Paredes Paredes

Laboratory of Cell Senescence, Cancer and Aging, Health Research Institute of Santiago de Compostela (IDIS), E15706 Santiago de Compostela, Spain

Mediterranean Diet adherence exerts beneficial effects at the epigenomic level against the most prevalent aging-related disease: Osteoarthritis

Carmen Nuñez Carro

Instituto de Investigación Biomédica de A Coruña (INIBIC), Grupo de Investigación de Reumatología (GIR), A Coruña, Spain

Understanding the impact of mitochondrial function on lung carcinoma spheroid formation. A 3D model of personalized medicine

Sofia Silva Carbajales

MitoPhenomics Lab, Centro Singular de investigación en Medicina Molecular y Enfermedades Crónicas (CiMUS). USC. 15782. Santiago de Compostela, Spain

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HuR SUMOylation, a novel approach to induce the senescent phenotype in liver cancer

Claudia M. Rejano-Gordillo

Liver Disease Lab, CIC bioGUNE, Basque Research and Technology Alliance (BRTA), Bizkaia Technology Park, Derio, Bizkaia, Spain. Biofisika Institute (UPV/EHU, CSIC) and Department of Biochemistry and Molecular Biology, University of the Basque Country (UPV/EHU), Spain

Downregulation of metallothioneins in hippocampal astrocytes impacts neural stem cells activity during aging

Carmina Franch-Ibáñez

Biomedicine Institute of Valencia, Valencia, Spain

Activation of angiotensin type 1 receptor promotes neuronal and glial alpha-synuclein aggregation and transmission

Lucía Lage Pita

Laboratory of Cellular and Molecular Neurobiology of Parkinson's Disease, CIMUS, Department of Morphological Sciences, IDIS, USC, Santiago de Compostela, Spain

mtDNA regulates epithelial-mesenchymal transition processes in lung adenocarcinoma

Sergio Maestro-de la Fuente

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Impact of E3 ubiquitin ligase Hakai on colorectal cancer stem cell properties and the Wnt signaling pathway

Andrea Rodríguez Alonso

Instituto de Investigación Biomédica de A Coruña, Epithelial Plasticity and Metastasis Research Group, A Coruña, Spain

Methyl Marks of Time: Unravelling the Role of 5-Methylcytosine in RNA during Ageing

Alba Coego

Epitranscriptomics & Ageing Group. Center for Research in Molecular Medicine and Chronic Diseases (CiMUS), Universidade de Santiago de Compostela (USC), A Coruña, Spain

Morphological profiles as a tool to identify senescence

Alba Iglesias Fente

Gene and Cell Therapy Research Group, Centro Interdisciplinar de Química e Bioloxía - CICA, Universidade da Coruña, A Coruña, Spain

Variation in mtDNA modulates LUAD formation through differential activation of HIF

Cristina de Jesús-Sen

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TUESDAY, 23rd JULY 2023

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

16.00-18.00 H

The Role of Neddylation in Hepatoblastoma Development and Treatment

Leidy Estefanía Zapata-Pavas

Liver Disease Lab, CIC bioGUNE, Basque Research and Technology Alliance (BRTA), Bizkaia Technology Park, Derio, Bizkaia, Spain

Advances in Tissue Engineering: Utilization of Polyhydroxyalkanoate Nanoparticles for Prolonged Drug Release

Ana Isabel Rodríguez Cendal

Grupo de Investigación en Terapia Celular y Medicina Regenerativa, INIBIC-CHUAC-SERGAS; Centro de Interdisciplinar de Química y Biología (CICA), UDC, A Coruña, Spain

Mitochondrial characterization of triple negative breast cancer: Understanding tissue specificity of Connexin43

Eva Fernández Bejarano

CELLCOM Research Group. Biomedical Research Center (CINBIO) and Institute of Biomedical Research of Ourense-Pontevedra-Vigo (IBI), University of Vigo. 36310, Pontevedra, Spain

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Reprogramming the senescence response

Víctor Núñez Quintela

Laboratory of Cell Senescence, Cancer and Aging, Health Research Institute of Santiago de Compostela (IDIS), E15706 Santiago de Compostela, Spain

Paracrine senescence activity of extracellular vesicles (EVs) from chemotherapy- induced senescent cancer cells

Valentín Estévez Souto

Laboratorio de Senescencia Celular, Cáncer y Envejecimiento, Instituto de Investigación Sanitaria de Santiago de Compostela (IDIS), 15706 Santiago de Compostela, Spain

Follistatin and Myostatin as Biomarkers of Sarcopenia in a C2C12 model

Janire Alonso Puyo

Department of Physiology, University of the Basque Country (UPV/EHU), 48940 Leioa, Spain

The function of p21 in senescence triggered by DNA damage

Alex Miralles Domínguez

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Role of C-X-C Motif Chemokine Ligand 14 (CXCL14) on cardiac aging and pathology

Francisco Javier Godoy Nieto

Departament de Bioquímica i Biomedicina Molecular, Institut de Biomedicina (IBUB), Universitat de Barcelona, Barcelona, Spain

Evolutionary conservation of cell senescence antagonistic pleiotropy: studies in *Drosophila*

Félix S. Valverde Ortega

Departamento de Biología, Facultad de Ciencias, Universidad Autónoma de Madrid, Madrid, Spain

SAMP8 astrocytes show markers of senescence and low synaptogenic activity

Stefano Ercoli

Instituto de Biomedicina de Valencia, CSIC, València, Spain

Mutations in tumor suppressor TP53 derepresses SOX2 expression in tumor cells

Patricia Lado Fernández

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Variant specific mitochondrial responses regulate hypoxia rescue of tRNA mutants of HIF independently

Diego Gonzalez-Perez

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