



FLASH TALK PROGRAMME

MONDAY, 21st JULY 2025

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

17.00-18.00H

The obestatin/GPR39 system as a target to protect against muscle atrophy in a Lewis lung carcinoma mouse model

Andrea Calviño Lodeiro

Instituto de Investigación Sanitaria de Santiago de Compostela (IDIS), Santiago de Compostela, A Coruña, Spain

Niosomes-Mediated Gene Delivery Systems in Hard-to-Transfect MSCs: Implications in Senescence

Junquera López Seijas

Grupo de Investigación en Terapia Génica y Celular (G-CEL). CICA-Centro Interdisciplinar de Química e Bioloxía. Universidade da Coruña, A Coruña, Spain

Apoptotic Secreted Factors as Drivers of Apoptosis-Induced Senescence (AIS)

Alejandro Failde-Fiestras

Laboratory of Cell Senescence, Cancer and Aging. Center for Research in Molecular Medicine and Chronic Diseases (CiMUS), Santiago de Compostela, Spain

Microbial & Plant-Bases Interventions for Aging-Associated Fatigue-implications for anti-aging research

Joanna Michalina Jurek

Immuno-Nutrition & Nutri-Psychiatry. GEMMAIR Research Group. IISPV in Tarragona, Spain



Quantification of small extracellular vesicles as biomarkers of sensitivity or resistance to CDK4/6 inhibitors

Álex Miralles

Laboratory of Cell Senescence, Cancer and Aging. Center for Research in Molecular Medicine and Chronic Diseases (CiMUS), Santiago de Compostela, Spain

Integrating peroxisome proliferation-activated receptor α and circadian rhythm insights as novel underlying mechanisms of osteoarthritis

Christian García Domínguez

Cartilage Biology Group, Rheumatology Division, INIBIC, A Coruña, Spain

18.30-19.00H

Senomorphic effect of partial reprogramming

Víctor Núñez Quintela

Laboratory of Cell Senescence, Cancer and Aging. Center for Research in Molecular Medicine and Chronic Diseases (CiMUS), Santiago de Compostela, Spain

A chronic senolytic treatment restores key behavioural deficits in the APPNL-G-F mouse model of Alzheimer's disease

Iker Bengoetxea de Tena

Department of Cell Biology, Physiology and Immunology, Institut de Neurociències-Universitat de Barcelona, Barcelona, Spain

Development of a qPCR-based kit targeting bacterial biomarkers of colorectal cancer for non-invasive screening and early detection

Inés González Castellano

Microbiome and Health Group (meiGAbiome), Microbiology Research Group, Institute of Biomedical Research (INIBIC) – Interdisciplinary Center for Chemistry and Biology (CICA) – University of A Coruña (UDC) – CIBER de Enfermedades Infecciosas (CIBERINFEC-ISCIII), Servicio de Microbiología, University Hospital of A Coruña (CHUAC), A Coruña, Spain



TUESDAY, 22nd JULY 2025

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

17.00-19.00 H

Exploring Fluorine-Modified Tamoxifen Compounds in Breast Cancer Treatment

Fátima Lucio Martínez

Departamento de Química Inorgánica, Universidad de Santiago de Compostela. E-15782 Santiago de Compostela, Spain

Astrocytic Mitochondrial Dynamics Regulate Hypothalamic Adaptation to Metabolic Stress

Aurora Putzolu

Instituto de Investigación Biomédica (INIBIC), Hospital Universitario de A Coruña, A Coruña, Spain. 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, Medicina e Ciencias Biomédicas, Facultade de Ciencias da Saúde, 15006 A Coruña, Spain

Fatty acid composition drives cancer cell uptake of Nanoemulsions for enhanced Photodynamic Therapy

Laura Fuentes Varela

Translational Medical Oncology Group, Oncomet. Health Research Institute of Santiago de Compostela (IDIS), Santiago de Compostela, Spain

Discovery of Zhertin as a Novel Senolytic and Identification of Senomorphic Agents via High-Throughput Screening

Miguel Ángel Prados Sánchez

Laboratory of Cell Senescence, Cancer and Aging. Center for Research in Molecular Medicine and Chronic Diseases (CiMUS), Santiago de Compostela, Spain



The Role of NF2 in the Hippo–AMPK Axis

Camilla Volpi

Instituto de Investigación Biomédica (INIBIC), Hospital Universitario de A Coruña, A Coruña, Spain. 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, Medicina e Ciencias Biomédicas, Facultade de Ciencias da Saúde, 15006 A Coruña, Spain

OSKM-Induced Secretory Factors Reduce Senescence Markers in Irradiated and Progeroid Cells

Raquel Paredes Paredes

Laboratory of Cell Senescence, Cancer and Aging. Center for Research in Molecular Medicine and Chronic Diseases (CiMUS), Santiago de Compostela, Spain

Mitochondrial DNA as a Signaling Molecule in Lung Adenocarcinoma: Implications for Inflammation and Oncogenesis

Rafael Garrido Fernández

MitoPhenomics Lab, Centro Singular de investigación en Medicina Molecular y Enfermedades Crónicas (CiMUS). USC. Genetics and Systems Biology Department.. Foundation Health Research Institute of Santiago de Compostela, Santiago de Compostela, A Coruña, Spain

Cellular senescence as the basis for HCMV-related pathogenesis

Rocío Miranda Tolosa

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

AMPK as a modulator of invasion and cytoskeletal structure in glioblastoma

Sabela Caamaño-Teixeira

Neuroendocrinology, Metabolism, and Cancer Group, Center for Research in Molecular Medicine and Chronic Diseases (CiMUS), University of Santiago de Compostela, Spain



CAMS 2025

Genetic and pharmacological CDK4/6 inhibition in cellular senescence

Irimia Pérez Sánchez

Laboratory of Cell Senescence, Cancer and Aging. Center for Research in Molecular Medicine and Chronic Diseases (CiMUS), Santiago de Compostela, Spain

Human endothelial cell senescence induced by IL-1 β can be prevented by alamandine/MrgD axis

Diego Verlanas Vicente

Department of Pharmacology and Therapeutics, Universidad Autónoma de Madrid. Vascular Pharmacology and Metabolism Group (FARMAVASM), IdiPAZ, Madrid, Spain

Identifying biomarkers of senescence after chemotherapy to guide cancer treatment

Sabela Da Silva Álvarez

Laboratory of Cell Senescence, Cancer and Aging. Center for Research in Molecular Medicine and Chronic Diseases (CiMUS), Santiago de Compostela, Spain

Extracellular vesicles from mesenchymal-like cells: protein profile and relevance in cartilage repair in osteoarthritis

Ana Isabel Rodríguez Cendal

Grupo de Terapia Celular y Medicina Regenerativa (TCMR). Instituto de Investigación Biomédica de A Coruña (INIBIC). Centro Interdisciplinar de Química y Biología (CICA) Universidad de A Coruña, A Coruña, Spain

Paracrine activity of extracellular vesicles secreted by senescent tumor cells

Valentín Estévez Souto

Laboratory of Cell Senescence, Cancer and Aging. Center for Research in Molecular Medicine and Chronic Diseases (CiMUS), Santiago de Compostela, Spain