

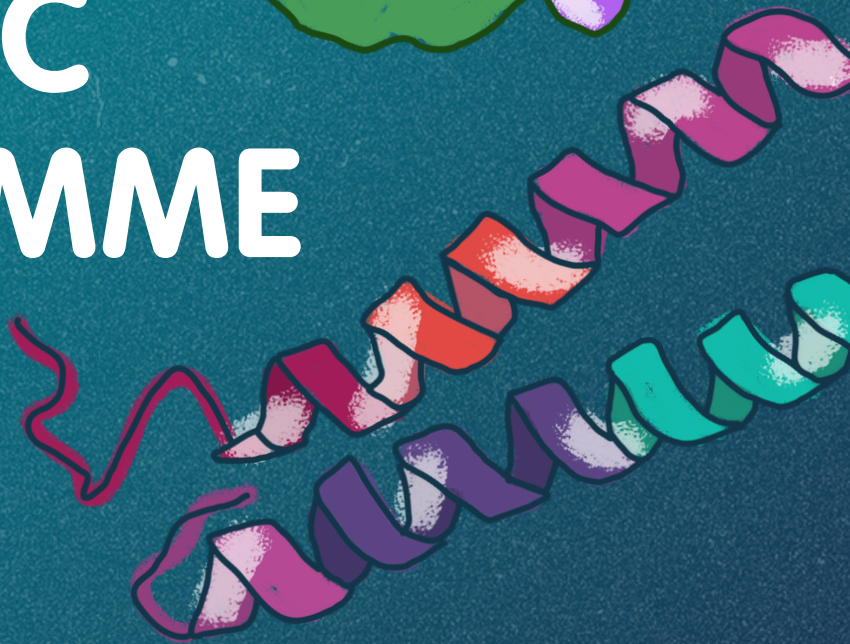
Proteo Vilamoura

6th Joint Meeting of Spanish,
French and Proteomics Societies

20-22 May 2026, Vilamoura, Portugal



SCIENTIFIC PROGRAMME



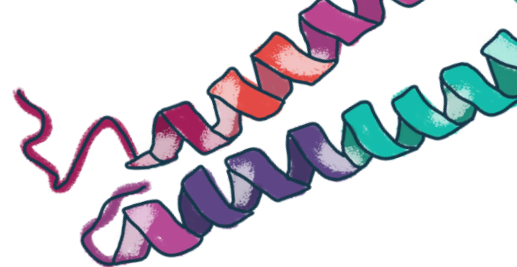
proteo-vilamoura.sci-meet.net

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May 20 Wednesday

9:30 - 12:00 (Pre-congress course optional)

Practical Introduction to Python Programming

Diego Mena Santos, Samuel Lozano Juárez

11:00 - 13:00

REGISTRATION

13:00 - 13:15

Welcoming Session

13:15 - 13:45

Nelson Soares Invited speaker

Proteomics profiling of Red Blood Cells (RBCs) combined with Deep Machine Learning analysis – reveals potential Diagnostic Biomarkers for Acute Venous Thromboembolism

Section 1

Proteomics in the Clinic: From Biomarkers to Precision Medicine #1

13:45 - 15:00

Oral Communications

Deep plasma EV proteomics by Data-Independent Acquisition reveals circulating signatures of cardiac tissue injury in a preclinical Atrial Fibrillation model, Estefanía Núñez

Expanding the knowledge on diagnostic autoantibodies in colorectal cancer through proteomics and immunosensing platforms, Javier Velázquez Gutiérrez

Sponsor

Thermo/Unicam

Advanced applications for Orbitrap Astral Series MS - Bernard Delanghe

Mapping the circulating extracellular vesicle proteome in Marfan syndrome patients using minimal plasma volume, Diego Mena Santos

Methylthioadenosine: harnessing a natural metabolite to counteract cholestasis progression, Irene Blázquez García

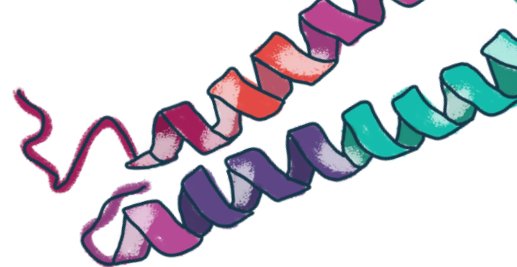
15:00 - 15:45

Coffee Break + Poster Session 1

15:45 - 16:15

Cherine Bechara Invited speaker

Structural Proteomics Reveals Chemokine Receptor Interactions and Dynamics



May 20 Wednesday

Section 2

Next-Gen Proteomics: Single-Cell, Proteogenomics & Disruptive Technologies

16:15 - 17:15

Oral Communications

Integrative single-cell proteomics identifies pro-regenerative fingerprints in a sub-population of adult cardiomyocytes, Consuelo Marin-Vicente

Sponsor

Sponsor Talk (TBD)

Benchmarking single-cell FACS-assisted strategies: effects on cellular component bias and post-translational modification detection, Samuel Lozano Juárez

Sponsor

Sponsor Talk (TBD)

17:15 - 17:51

Flash presentations

In depth-analysis of Alzheimer's disease brain tissue reveals novel A β interactors, Ana Montero Calle

Proteomic and functional characterization of SLC8A1 in colorectal cancer development and metastasis, Sara Batuecas Domínguez

Phenotypic remodelling of smooth muscle cells in atherosclerosis: a low-input and single-cell proteomics approach, David del Rio Aledo

BiasTracker: a bioinformatics tool for quantifying physicochemical and functional biases in mass spectrometry-based proteomics, Gaelle Louffi

MALDI-MSI as a Platform for Spatial Multi-Omics in Glioblastoma Research, Cristina María López Vázquez

When One is Enough: A Minimalistic "On-Pot" Proteomic Workflow for Global Profiling of Single Caenorhabditis elegans, Ibon Iloro Manzano

Beyond Acquisition: Turning Astral-ScaleData into Discovery, Marta Isasa

From Microbes to Ecosystems: Proteomic Insights into Agro-Environmental Interactions, Francisco Javier Fernandez Acero

DIV Matters: Understanding Proteomic Shifts in Neuronal Maturation for Better Ischemic Modeling, Eva Ferro

18:00 - 18:45

Cocktail reception + Sci BINGO, organized by Young Investigators in Proteomics - SEPROT



May 21 Thursday

6:30-7:30

Sunrise Run/walk by the beach

8:00 - 8:30

Sponsor

Sponsor Workshop (TBD)

8:30 - 9:00

Enrique Santamaria Invited speaker

Olfactory proteomics: Emerging mechanisms and translational opportunities in neurological disorders

Section 3

Proteomics in the Clinic: From Biomarkers to Precision Medicine #2

9:00 - 10:15

Oral Communications

Glycoproteomics uncovers a paucimannosylated proteome associated with tumour aggressiveness and poor clinical outcome in gastric cancer, Dylan Ferreira

Artificial intelligence-based clinical models predict plasma proteomic endotypes enabling precision medicine in knee osteoarthritis, Patricia Quaranta Díaz

Sponsor

Sciex Narrow-Window Scanning DIA: Redefining Selectivity and Quantitative Confidence in Proteomics with the SCIEX ZenoTOF 8600

Proteomic biomarkers predictive of response to antiangiogenic treatment: toward personalized medicine in neovascular age-related macular degeneration, Antonio Cañizo Outeiriño

Unravelling the proteome of human embryo implantation: new biomarkers and metabolic signatures, Girard Océane

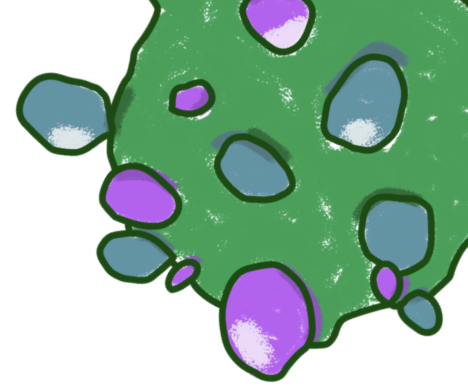
10:15 - 11:00

Coffee Break + Poster Session 2

11:00 - 11:30

Etienne Coyaud Invited speaker

Proximity labeling tools to investigate pathogenic protein networks



May 21 Thursday

Section 4

Networks in Action: Interactomes, Signalling & Bioinformatics Innovation

11:30 - 12:45

Oral Communications

Deciphering protein-protein interactions in live neurons using XL-MS, Hugo Gizardin-Fredon

Proteomic profiling of the interactome of phosphorylated Tau aggregates identifies modulators of Alzheimer's disease progression, Sofía Jiménez de Ocaña

Sponsor

Sponsor Talk Bruker #1

Glycoavatars: bead-coated membrane models for studying the cancer-immune cells interactome, Andreia Rafaela Linhares Miranda

Orail facilitates angiogenesis after myocardial infarction through Notch1 signaling pathway, Isabel María Galeano Otero

12:45 - 14:30

Lunch Break

Sponsor

13:30 - 14:00

Sponsor Workshop - Bruker

Sponsor

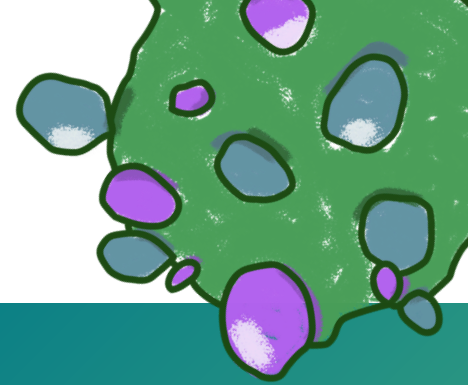
14:00 - 14:30

Sponsor Workshop - Thermo/Unicam - Rafaelo Room

14:30 - 15:00

Ana Martínez del Val Invited speaker

Decoding Protein Function: How Proteomics Reveals Post-Translational Control in Cell Signalling and Disease



May 21 Thursday

Section 5

PTMs: Deciphering the dynamics of Protein Regulation

15:00 - 16:00

Oral Communications

Experimental design and multivariate analysis approaches for glycoproteomics, Estela Giménez López

Study of the links between the dysregulations of metabolism and epigenetics marks in Huntington's disease, Hisham Altoufaily

Phosphoproteomics as a tool to dissect the molecular mechanisms underlying a novel combinatorial therapeutic strategy in pseudomyxoma peritonei, Antonio Romero-Ruiz

Quantitative proteomic characterization of metastasis-associated succinylome in colorectal cancer, Raquel Rejas González

16:00 - 16:45

Coffee Break + Poster Session 3 + Group photo

16:45 - 17:15

Mélanie Blein-Nicolas Invited speaker

Proteomics as a cornerstone in deciphering the genotype-phenotype relationship in maize

Section 6

Proteomics Exploration in Non-Model Systems

17:15 - 18:30

Oral Communications

Geographical origin differentiation of tiger nut (*Cyperus Esculentus*) through liquid chromatography-high resolution mass spectrometry analysis, Enrique Sentandreu

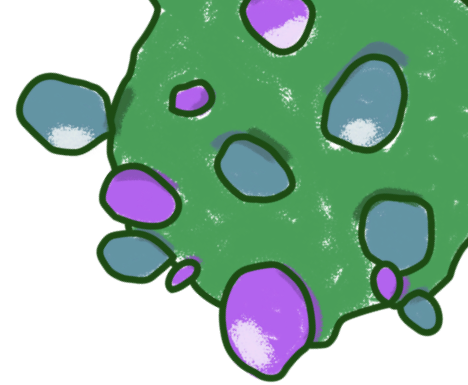
Transforming Invasion into Innovation: Proteomics of *Rugulopteryx okamurae* for Monitoring, Degradation and Biomass Valorization, Almudena Escobar Niño

Sponsor

Sponsor Talk (TBD)

Proteomic characterization of baculovirus expression vector system (BEVS)-derived extracellular vesicles engineered for Gla-Rich Protein (GRP) γ -carboxylation reveals selective GRP incorporation and distinct vesicle populations, Carla Alexandra São Bento Viegas

Authentication of A2 bovine milk by routine LC-MS proteomic analysis, Lorea R. Beldarrain



May 21 Thursday

Section 6

Proteomics Exploration in Non-Model Systems

18:30 - 19:02

Flash presentations

Comprehensive nucleolar proteome profiling reveals metastasis-associated remodeling in colorectal cancer, Elisa Carral Ibarra

In-depth serum glycoproteomics reveals stage-dependent α 2,6-sialylation and systemic prothrombotic signalling in gastric cancer, Lisandra Gabriela Fernandes Cruz

Multi-omics characterization of SIRT3 metabolism and its adaptation to the presence of amyloid-beta oligomers in nasal epithelial cells, Paz Cartas Cejudo

Extending Proteome Profiling to Red Blood Cells using an Aptamer Platform, Luis André Botelho de Carvalho

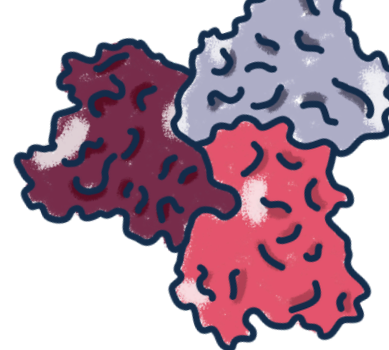
Comparative HLA-DR immunopeptidomics reveals disease- and genotype-associated signatures in rheumatoid arthritis, Jaxaira Maggi

Scaling-up low input spatial proteomics using Evosep Whisper Zoom on the timsTOF Ultra AIP, Beatriz Rocha Loureda

Optimizing tissue disruption strategies to characterize in vivo subcellular proteome remodelling, María Cinta Picos Mora

20:00

Conference Dinner (optional, subject to registration and payment)



May 22 Friday

6:30-7:30

Sunrise Run/walk by the beach

8:00 - 8:30

Sponsor

Sponsor Workshop (TBD)

8:30 - 9:00

Celso Reis Invited speaker

Glycomics and glycoproteomics in cancer: from oncogenic mechanisms to clinical applications

Section 7

Quantitative and Computational Proteomics

9:00 - 10:15

Oral Communications

Global protein turnover dynamics in pluripotency, Orhi Barroso Gomila

Defining the Topology of Proteins in sEV Isolates by Protein Correlation Profiling,
Joanes Etxeberria Ugartemendia

Sponsor

Sponsor Talk - Thermo #2

Are Your Replicates Independent? - Defining Experimental Units in Primary Neuron Proteomics, Miguel Maria Varandas Anão Rosado

Continuous telemetry-driven quality control for proactive LC-MS performance in proteomics core facilities, Daniel Lopez-Ferrer

10:15 - 11:00

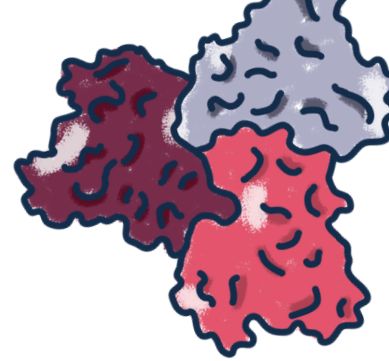
Coffee Break + Poster Session 4

11:00 - 11:30

Guadalupe Gómez Baena Invited speaker

Proteomics at the Service of Biodiversity Conservation

May 22 Friday



Section 8

Beyond Proteins: Small Molecules, Peptides & Integrated Omics + 5. Environmental and Ecosystem Omics-Insights

11:30 - 12:30

Oral Communications

High-Throughput PISA–TMT Proteomics Enables Target Identification of Novel Antimicrobial Small Molecules, Gonçalo Raposo Matos

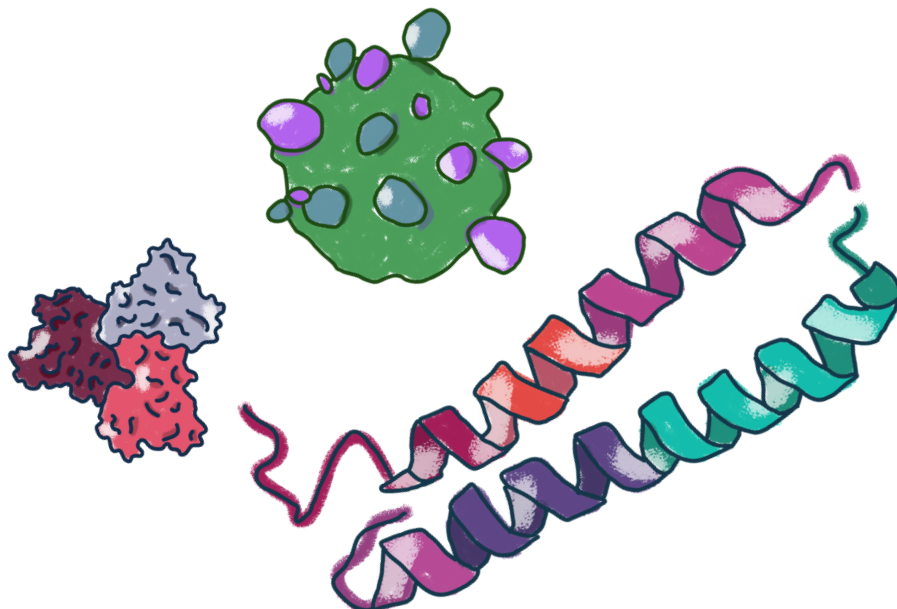
Molecular responses of *Staphylococcus epidermidis* to pH and endogenous antimicrobial fatty acids are strain-specific, Ana Maria Varela Coelho

Sewage protein information mining: A new frontier in community health and industrial surveillance, Montserrat Carrascal Perez

Seasonal dynamics of urinary protein profiles in the Iberian Lynx (*Lynx pardinus*), Beatriz Ortiz-Guisado

12:30

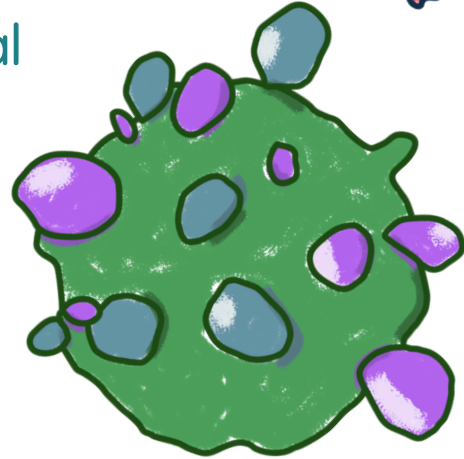
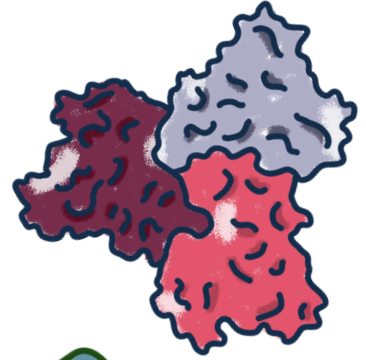
Closing Session/Awards



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