Proteo Vilamoura

2nd Joint Meeting of Spanish, French and Portuguese Proteomics Societies







Scientific Programme

May 11th - 13th, 2022 Portugal

Last update 8/5/2022



Wednesday, May 11th

12.30	Registration
13.30	Welcoming Session
	Francisco Amado PROCURA president
	Montserrat Carrascal SEProt president (SPS)
	Franck Vandermoere FPS president
	Dina Simes meeting chair
	Nuno Ferreira Bicho vice-rector for Research and Culture at University of Algarve
	Proteomics methodology
	I CHAIRS: Montserrat Carrascal / Francisco Amado
13.50	Symposium 0
	Pseudoscience and denialism in times of pandemic
	Daniel Closa (IIBB-CSIC-IDIBAPS, Barcelona, Spain)
14.30	Symposium I
	Quantitative proteoform profiling of intact human protamines in normozoospermic infertile patients.
	Marina Gay (IRB Barcelona, Spain)
15.10	Coffee break sponsored by UNICAM + Poster session I
	II CHAIRS: Franck Vandermoere / Fernando Corrales
15.40	Symposium II
	Proteoforms and their expanding role in biomedical research
	Julia Chamot Rooke (Institut Pasteur, Paris, France)
16.20	Symposium III
	Tackling cancer mechanisms with spatially resolved proteomics
	Isabelle Fournier (PRISM Lab, University of Lille, France)
	Oral Communications
	CHAIRS: Deborah Penque / Elsa Lamy
17.00	Parkinson's disease plasma biomarkers: from translational research to alternative proteomics approaches
	Bruno Manadas (CNC-UC, Coimbra, Portugal)
17.15	Proteomics and mass spectrometry imaging study of three-dimensional cell culture of breast tumor
	Antonella Raffo-Romero (PRISM Lab, University of Lille, France)









17.30	Sub optimal 15N metabolic labelling in plant: A new way to perform large scale protein turnovers determination using the experimental isotopic distribution.
	Willy V. Bienvenut (GQE - IDEEV, Université Paris-Saclay, France)
17.45	Innovative multiplex proteotyping of microbial isolates
	Madisson Chabas (CEA, LI2D, Montpellier University, France)
18.00	COMPANY TIME by Cellenion - The cellenONE state of the art technology for single cell proteomics & sample preparation
	Flash Oral Communications
18.15	Absolute quantitative proteomics using the total protein approach to identify novel clinical immunohistochemical markers in renal neoplasms
	Hugo Santos (BIOSCOPE Group, NOVA University of Lisbon, Portugal)
18.20	High-throughput and high-sensitivity biomarker monitoring in body fluid by faims-enhanced fast lc surequant™ is targeted quantitation
	Ulrich auf dem Keller (DBB, Technical University of Denmark, Denmark)
18.25	Compared dia-pasef and prm-pasef approaches for the absolute quantification of 500 human plasma proteins in colon cancer plasma samples.
	Pierre-Olivier Schmit (Bruker France SAS, Wissembourg, France)
18.30	Metaproteomics analysis of gut microbiota: different processing methods allow the detection of specific phyla
	Carmen García-Durán (DMP, FF, Universidad Complutense de Madrid, Spain)
18.35	Undiscovery of regulators of senescence-associated secretory phenotype mediated by small extracellular vesicles
	Juan Fafián Labora (GITCMR, FCS, CICA, Universidade da Coruña, Spain)
18.40	S-nitrosoproteomics defines a key mechanism of exercise-induced cardioprotection
	Béatrice Alpha-Bazin (LI2D, DMTS/CEA-INRAE, Univ Paris-Saclay, France)
18.45	Protein correlation profiling re-defines the protein composition of extracellular vesicles.
	Julia Morales-Sanfrutos (Spanish National Cancer Research Centre - CNIO, Spain)
18.50	Application of 2D DIGE to study the effect of ageing on the myofibrillar sub-proteome of horse meat
	Miguel Angel Sentandreu (IATA, CSIC, Spain)
18.55	Relationship between salivary proteome and xerostomia symptoms
	Laura Carreira (MED- MIA, University of Évora, Portugal)
19.00	Circulating proteins associated with response and resistance to neoadjuvant chemotherapy in her2-positive breast cancer
	María del Pilar Chantada Vázquez (HULA, CHUS, Spain)
19.05	Discussion
19.15	Cocktail reception









Thursday, May 12th

	I Proteomics applications and Mixomics
	CHAIRS: Bruno Manadas / Ángel García
8.30	Symposium IV
	Kinase signalling circuits in health and disease
	Pedro Beltrão (IMSB, ETH Zurich, Switzerland)
9.10	Symposium V
	How proteomics and advanced mass spectrometry are reshaping what we can learn about paintings, objects and cultural heritage
	Caroline Tokarski (Inst. of Chemistry, BMNO, University of Bordeaux, France)
9.50	Symposium VI
	Evasion of cellular anti-viral defences deciphered by TAILS N-terminomics analysis of SARS CoV-2CLpro substrates in COVID-19
	Christopher Overall (CBR, University of British Columbia, Canada)
10.30	Coffee break sponsored by UNICAM + Poster session II
11.00	COMPANY TIME by Bruker: Reaching maturity: latest developments in 4D proteomics <i>Pierre-Olivier Schmit</i>
	Oral Communications
	CHAIR: Hugo Osório
11.30	Proteomic profiling of farmed gilthead seabream skin mucus stress response: a biomarker discovery study
	Cláudia Raposo de Magalhães (CCMAR, Universidade do Algarve, Portugal)
11.45	Glycoproteogenomics characterization of the CD44 splicing code in bladder cancer towards precision oncology
	José Alexandre Ferreira (CI-IPOP, Portuguese Oncology Institute of Porto, Portugal).
12.00	Quantitative proteomics analysis of aryl-hydrocarbon receptor-interacting protein reveals a novel protein able to regulate tumorigenic and metastatic properties of colorectal cancer cells driving liver metastasis
	Guillermo Solís Fernández (MIPD, FS, Belgium /UFIEC, Instituto de Salud Carlos III, Spain)
12.15	Proteomic profiling of ascending aortic VSMC reveals alterations in DNA machinery and cell cycle dysregulation in thoracic aortic aneurysm associated with bicuspid aortic valve
	A. Martin-Blazquez (IIS-Fundacion Jimenez Diaz, Immunology, Spain)

12.30 - 14.30 LUNCH BREAK









II Proteomics applications and Mixomics

CHAIR: Melisande Blein-Nicolas 14.30 Symposium VII MaxQuant 2.1.1: Efficient and accurate DDA and DIA-based computational proteomics Juergen Cox (Max Planck Institute of Biochemistry, Germany) 15.10 Symposium VIII Antigen discovery for development of personalized cancer immunotherapy Michal Bassani (Ludwig Institute for Cancer Research Lausanne, Switzerland) 15.50 Coffee break + Poster session III Oral Communications **CHAIRS: Carla Viegas / Cristina Ruiz** 16.30 Looking for new plasma biomarkers of Non-Alcoholic Fatty Liver Disease (NAFLD) progression using discovery and targeted proteomics David Pérez (Univ. Grenoble Alpes, INSERM, CEA, France) 16.45 Identification of novel dysregulated proteins and amyloid-β plaques interactors associated to Alzheimer's disease by proteomics Ana Montero-Calle (UFIEC, Instituto de Salud Carlos III, Spain) 17.00 Differences and similarities on metabolic response to pH by commensal and pathogenic Staphylococcus epidermidis strains Elisabete Morais (ITQB, Universidade Nova de Lisboa, Portugal) 17.15 SARS-CoV-2 natural immunity to vaccine-induced immunity: systematic evaluation of humoral response by multipronged functional proteomics approaches Manuel Fuentes (CIC-IBMCC, USAL-CSIC, IBSAL. Cancer Research Center-IBMCC. University of Salamanca-CSIC, Spain) 17.30 Exploiting glycoengineered simple cells and bioinformatics-assisted glycoproteomics for bladder cancer targets prioritization Marta Relvas-Santos (Research Center of IPO-Porto and FS-UP, Portugal) 18.00 COMPANY TIME by Resyn Biosciences: Hybrid-DIA acquisition strategy combines targeted and discovery proteomics - Jesper Olsen Flash Oral Communications 18.15 Extensive energy metabolism reprogramming and pathways of neurodegeneration induced by the Inhalation of ultrafine particulate matter revealed by label-free absolute quantitative proteomics Gonçalo Martins (BIOSCOPE Group, NOVA University of Lisbon, Portugal) 18.20 Proteomics analysis of ΔNp73 effectors identifies proteins associated with lymphangiogenesis, vasculogenesis and metastasis in colorectal cancer María Garranzo-Asensio (UFIEC, Instituto de Salud Carlos III, Spain) 18.25 Mass-spectrometry based proteomics applied to the conservation of the Iberian lynx (Lynx



pardinus)



Guadalupe Gómez-Baena (DBBM, FV-Universidad de Córdoba, Spain)





20.00	Conference Dinner (optional, subject to registration and payment)
19.05	Discussion
	Francisco M. Couto (LASIGE, Faculdade de Ciências, Universidade de Lisboa, Portugal)
19.00	DeST: Deep Semantic Tagger
	Yago A. Arribas (Institut Curie, PSL University, France)
18.55	Transposable element-derived peptides are preferentially presented on HLA-A3 and HLA-A11 molecules
	Sara Troitiño (CIMUS, Universidade Santiago de Compostela, and IDIS, Spain)
18.50	Platelet lipidome fingerprint of obese patients: new assistance to characterize platelet dysfunction in obesity
	Paz Cartas-Cejudo (Navarrabiomed, Universidad Pública de Navarra, Spain)
18.45	Sex-dependent molecular changes in the olfactory tract in Alzheimer's and Parkinson's diseases
	Mercedes Lachén-Montes (Navarrabiomed, UPNA, and NIHR, Spain)
18.40	Metabolic dyshomeostasis induced by SARS-CoV-2 structural proteins reveals immunological insights into viral olfactory interactions
	Luís B. Carvalho (BIOSCOPE Group, NOVA University of Lisbon, Portugal)
18.35	Tailored proteomic pathway analysis for monitoring of bladder cancer patients
	Tamara Sastre-Oliva (DVP, Hospital Nacional de Paraplejicos, Spain)
18.30	Association between calcific aortic valve disease and coronary artery disease: importance of the albumin redox state

Friday, May 13

Advances in Proteomics

CHAIR: Dina Simes

8.30 Symposium IX

High-throughput phosphoproteomics to analyze cell signaling networks in health and disease.

Jesper Olsen (University of Copenhagen, Denmark)

9.10 Symposium X

A travel guide to metaproteomics with tips for the study of the most complex samples

Jean Armengaud (CEA, France)

9.50 Coffee break + Poster session IV









	Oral Communications
	CHAIRS: Mariette Matondo / Ana Varela Coelho
10.20	The ghost proteome an hidden vision of the protein landscape
	Tristan Cardon (Univ. Lille, PRISM, France).
10.35	The proteome of urinary extracellular vesicles reveals early sub-clinical cardiorenal risk in hypertensive subjects
	Miriam Anfaiha-Sanchez (IIS-Fundación Jiménez Díaz Hospital, Spain)
10.50	Does diabetes mellitus change the protein pattern in patients with aortic stenosis?
	Nerea Corbacho-Alonso (DVP, Hospital Nacional de Paraplejicos, Spain)
11.05	The histone methyl transferase dot1l regulates chromatin reorganization and mitochondrial activity, and interacts with the pyruvate dehydrogenase complex in differentiating male germ cells
	Delphine Pflieger (Univ. Grenoble Alpes, Inserm, CEA, IRIG-BGE, France)
11.20	COMPANY TIME by Sciex: Maximizing the performance of the ZenoTOF 7600 system for protein ID and quant
	Flash Oral Communications
11.50	Finding biomarkers in thyroid cancer lesions: a mixomics approach
	Margarida Coelho (CNC and Cell Biology, FST, University of Coimbra, Portugal)
11.55	Mass spectrometry-based proteomic and metabolomic profiling of serum samples for discovery and validation of tb diagnostic biomarkers
	Ana Varela Coelho (ITQB, Universidade Nova de Lisboa, Portugal)
12.00	Spatial proteomic analysis of isogenic metastatic colorectal cancer cells reveals key dysregulated proteins associated with lymph node, liver, and lung metastasis
	Rodrigo Barderas (Chronic Dis. Programme, UFIEC, Instituto de Salud Carlos III, Spain)
12.05	Huntacyl: altered dynamics of acylations of histone h3 lysine 27 (h3k27): a mechanism contributing to transcriptional dysregulation in huntington's disease?
	Hassan Hijazi (EDyP, University Grenoble Alpes, France)
12.10	Proteomic and phosphoproteomic characterization of molecular mechanisms unlerlying progressive familiar intrahepatic cholestasis type 3
	Laura Guerrero (Centro Nacional de Biotecnología CNB-CSIC, Spain)
12.15	Proteomics analysis of gastric cancer patients with diabetes mellitus
	Hugo Osório (i3S, Ipatimup and Faculty of Medicine, University of Porto, Portugal)
12.20	Discussion
12.30	Closing Session/Awards
14.00 – 17.00	C-HPP Satellite Workshop on "Accelerating the HPP Grand Challenge", organised by the Chromosome-centric Human Proteome Project
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See the C-HPP Satellite Workshop agenda here: https://www.hupo.org/News/12690881

