



VI SCIENTIFIC MEETING ABOUT CLINICAL PROTEOMICS.

Centro de Investigación del Cáncer,

Salamanca, Assembly Hall.

9th and 10th December 2015.

Organizers:

Dr. Fernando J. Corrales, ProteoRed General Coordinator
Senior Scientist at the Centro de Investigación Médica Aplicada, CIMA
Dr. Francisco J. Blanco, member of the ProteoRed Management Board
Scientific Director of the Instituto de Investigación Biomédica A Coruña, INIBIC
Dr. Manuel Fuentes, group leader of the ProteoRed node at Salamanca
Junior Scientist at the Centro de Investigación del Cáncer CIC-USAL

Wednesday, 9th December.

16:00h

Welcome.

Dr. Eugenio Santos. Director of the Centro de Investigación del Cáncer.

Dr. María Ángeles Serrano. Internationalization Vice Rector of the Universidad de Salamanca.

Dr. Rogelio González Sarmiento. Scientific Director of the Instituto de Investigación Biomédica de Salamanca, IBSAL.

Dr. Fernando J. Corrales. ProteoRed General Coordinator. Proteomics, Genomics and Bioinformatics Platform. Director of the Centro de Investigación Médica Aplicada, CIMA.

Dr. Francisco J. Blanco. Member of the ProteoRed Management Board. Scientific Director of the Instituto de Investigación Biomédica A Coruña, INIBIC.

Dr. Manuel Fuentes. Group leader at the ProteoRed node at Salamanca. Junior Scientist at the Centro de Investigación del Cáncer.

16:15h - 18:00h

Session 1: Brain proteomics.

Chair: María Dolores Taberner. Instituto de Investigación Biomédica de Salamanca, IBSAL.

16:15h - 16:50h

Discovery of brain biomarkers and their translation to clinical settings.

Dr. Jean Charles Sanchez. University of Geneva.

16:50h - 17:25h

Stroke biomarkers: from discovery to clinical application.

Dr. Joan Montaner. Hospital Universitario Vall d'Hebron.

17:25h - 18:00h

Mass spectrometry assay predicts patient conversion to multiple sclerosis.

Dr. Eduard Sabidó. Centre for Genomic Regulation, CRG.

Coffee break.

18:25h - 19:35h

Session 2: Oncoproteomics.

Chair: Ignacio Casal. Centro de Investigaciones Biológicas, CIB-CSIC.

18:25h - 19:00h

The CNIO Proteomics Unit in a nutshell.

Dr. Javier Muñoz. Centro Nacional de Investigaciones Oncológicas, CNIO.

19:00h - 19:35h

Development of novel antitumoral drugs.

Dr. Enrique M. Ocio. Hospital Universitario de Salamanca.

19:35h - 20:45h

Session 3: Immunoproteomics.

Chair: Julia Almeida. Centro de Investigación del Cáncer, USAL-CIC.

19:35h - 20:10h

Interaction between nanomaterials and immune system: positive and negative sides.

Dr. África González. Universidad de Vigo, UVigo.

20:10h - 20:45h

Proteomic analysis of antigen expression and presentation in human thymus.

Dr. Iñaki Álvarez. Instituto de Biotecnología y Biomedicina, IBB.

Thursday, 10th December.

- 09:00h - 10:10h **Session 4: Infectious diseases.**
Chair: Dr. Jaime Sancho. Instituto de Parasitología y Biomedicina López-Neyra, IPBLN-CSIC.
- 09:00h - 09:35h **Approaches for searching diagnosis and prognosis biomarkers for infectious diseases.**
Dr. Concha Gil. Universidad Complutense de Madrid, UCM.
- 09:35h - 10:10h **Proteomics and transcriptomics in antiparasitics vaccines.**
Dr. Antonio Muro. Centro de Investigación de Enfermedades Tropicales de la Universidad de Salamanca, CIETUS.
- 10:10h - 11:20h **Session 5: Rheumatic diseases.**
Chair: Dr. Francisco J. Blanco. Instituto de Investigación Biomédica A Coruña, INIBIC.
- 10:10h - 10:45h **Roadmap to the use of biomarkers in drug development in osteoarthritis.**
Dr. Virginia Kraus. University of Duke.
- 10:45h - 11:20h **Shaping the peptidomes of inflammatory disease-associated MHC-I molecules: the pathogenetic role of endoplasmic reticulum aminopeptidase 1 (ERAP1).**
Dr. José Antonio López de Castro. Centro de Biología Molecular Severo Ochoa, CBMSO.

Coffee break.

- 11:45h - 12:55h **Session 6: Cardiovascular and metabolic diseases.**
Chair: Pedro Luis Sánchez. Hospital Universitario de Salamanca-IBSAL.
- 11:45h - 12:20h **Advances in translational cardiovascular proteomics.**
Dr. Jesús M. Vázquez. Centro Nacional de Investigaciones Cardiovasculares, CNIC.
- 12:20h - 12:55h **Molecular alterations in hypertension and early atherosclerosis. A multi-omics approach.**
Dr. Gloria Álvarez-Llamas. Fundación Jiménez Díaz, FJD.
- 12:55h - 14:05h **Session 7: New trends in tissue imaging research.**
Chair: Dr. Cristina Ruiz. Instituto de Investigación Biomédica A Coruña, INIBIC.
- 12:55h - 13:30h **Molecular pathology in a digital environment: Cancer biomarkers and tissue imaging.**
Dr. Enrique de Álava. Instituto de Biomedicina de Sevilla, IBiS.
- 13:30h - 14:05h **MALDI imaging in preclinical cancer research.**
Dr. Benjamin Balluff. University of Maastricht.

Lunch.

- 15:30h - 17:15h **Session 8: "Biobanking".**
Chair: Dr. Andrés García-Montero. Banco Nacional de ADN.
- 15:30h - 16:05h **Biobanking: New challenges in supporting -omics technologies.**
Dr. Andrés García-Montero. Banco Nacional de ADN.
- 16:05h - 16:40h **TBD.**
Dr. Ana Isabel Sáez. Biobanco del Sistema Sanitario Público de Andalucía.
- 16:40h - 17:15h **Affinity proteomics for biomarkers in plasma biobanks.**
Dr. Jochen Schwenk. Science for Life Laboratory.
- 17:15h **Conference remarks.**

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