



## BIOINFORMATICS ANALYSIS FROM PROTEOMICS DATA WORKSHOP

CIC (USal-CSIC) SALAMANCA 15<sup>th</sup> March 2010: 9:00h - 18:00h

### *Organizers*

Juan Pablo Albar

Xosé Bustelo

### *Speakers*

#### **ProteoRed**

Juan Pablo Albar

Montserrat Carrascal

Salvador Martínez.

Emilio Salazar

Alberto Medina

#### **Guests**

Eduardo González Couto

Kenny Helsens

Andrew Jones

Patricia Palagi

Javier De Las Rivas

Juan Antonio Vizcaíno

9:00 – 9:15	<i>Welcome Reception.</i> <i>Xosé Bustelo.</i>
9:15 – 9:45	<i>Introduction: Relevance of Proteomics Standards for ProteoRed.</i> <i>J. Pablo Albar.</i>
<b>1<sup>st</sup> Session. MultiCenter Projects. Collaborative environment.</b> <b>Chairs: Alberto Medina and Andrew Jones.</b>	
9:45 – 10:15	<i>ProteomExchange.</i> <i>J. Antonio Vizcaino, EMBL-EBI, Cambridge, UK.</i>
10:15 - 10:45	<i>MIAPes in ProteoRed Multicentric Experiments.</i> <i>Salvador Martínez de Bartolomé, ProteoRed, CNB-CSIC, Madrid, SP.</i>
10:45 – 11:15	<i>OmicsHub Proteomics: Recent use cases.</i> <i>Eduardo González Couto, Integromics, Tres Cantos, SP.</i>
<b>Coffee Break (30 min)</b>	
<b>2<sup>nd</sup> Session. Proteomics bioinformatics applications.</b> <b>Chairs: Juan Pablo Albar and Javier de las Rivas</b>	
11:45 – 12:15	<i>New improvements in MIAPE generation: MIAPE API.</i> <i>Emilio Salazar, ProteoRed, CNB-CSIC, Madrid, SP.</i>
12:15 – 12:45	<i>LC/MS data processing for label-free quantitative analysis with MSight and SuperHirn and other MS stories.</i> <i>Patricia Palagi, Swiss Institute of Bioinformatics (SIB), Geneva, SW.</i>
12:45 – 13:15	<i>Data validation and annotation: PrideViewer &amp; PIKE.</i> <i>Alberto Medina, ProteoRed, CNB-CSIC, Madrid, SP.</i>
13:15 – 13:45	<i>MS-LIMS and friends: tools to store and analyze large scale proteomics data.</i> <i>Kenny Helsens, Gent University, BEL.</i>
<b>Lunch (1h 15min)</b>	
<b>3<sup>rd</sup> Session. Proteomics Standards: Current Status.</b> <b>Chairs: Salvador Martínez and J. Antonio Vizcaíno.</b>	
15:00 – 15:30	<i>Data standards developed by the Proteomics Standards Initiative.</i> <i>Andrew Jones, University of Liverpool, UK.</i>
15:30 – 16:00	<i>Phosphosite characterization in human T-cell proteome: Minimal Information About Sample Preparation for Phosphoproteomics (MIASPE).</i> <i>Montserrat Carrascal, ProteoRed, LP-CSIC-UAB, Barcelona, SP.</i>
16:00 – 16:30	<i>From single proteins to protein interactions and protein networks derived.</i> <i>Javier De las Rivas, CIC-USAL, Salamanca, SP</i>
<b>Coffee Break (30 min)</b>	
<b>Discussion Panel</b> <b>Chairs: J. Pablo Albar and Xosé Bustelo.</b>	
17:00-17:30	<i>Close</i> <i>J. Pablo Albar.</i>