2nd MS based Proteomics Metabolomics Conference
VERONA | 1-2 July 2019

PROGRAM

You can download the PDF program here

MS-BASED UNTARGETED PROTEOMICS AND METABOLOMICS: CANCER METABOLISM, THERAPEUTIC TARGETS AND BIOMARKERS

MONDAY 1st JULY 2019:

Università degli Studi di Verona, aula magna "de Sandre", Policlinico "G.B. Rossi".

08:30 - 9:00	**Registration**
09:15 - 9:30	**Opening Ceremony**
09:30 - 10:15	**"Using lipidomics analysis to identify therapeutic targets in cancer and infection"** *Michael Wakelam (The Babraham Institute, Cambridge, UK)*
10:15 - 10:30	**"Advanced metabolomics workflows for accelerating the discovery of novel metabolic insights"** *Anas Kamleh (Thermo Fisher)*
10:30 - 11:00	**Coffee Break & Posters**
	Chairs: Daniela Cecconi, Fulvio Magni
11:00 - 11:40	**"Tumor suppressive function of lipolysis by proteomics and metabolomics"** *Ruth Birner-Gruenberger (Omics Center Graz, Medical University of Graz, Austria)*
11:40 - 12:00	**"Fluxomics analisys to evaluate E3 Ubiquitin ligase MDM2 imbalance in the nucleotide metabolism in human breast cancer cell model"** *Federica Gevi (Università della Tuscia)*
12:00 - 12:20	**"Characterization of Primary Aldosteronism by MS-based omics approaches"** *Annalisa Castagna (Università di Verona)*
12:20 - 12:35	**"Differential protein and lipid regulation in breast cancer highlights changes for inflammatory, immunity and receptor signalling pathways"** *David Heywood (Waters)*

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12:35 - 12:50	**"A novel robust chromatography platform for deep and reproducible proteome coverage"** *Christof Mitterer (PharmaFluidics)*
12:50 - 14:00	**Lunch Break & Posters**
	Chairs: Marcello Manfredi, Donatella Caruso
14:00 - 14:40	**"Metabolomics within systems medicine, linking metabolism in the liver and the gut with the brain"** *Cristina Legido-Quigley (King's College London)*
14:40 - 15:10	**"Stratification of patients based on the correlation between big data and clinic"** *Andrea Petretto (IRCCS Istituto G. Gaslini, Genoa, Italy)*
15:10 - 15:25	**"Metabolomics screening in cancer patients: targeted and untargeted approaches"** *Marialuce Maldini (AB SCIEX)*
15:25 - 15:30	**"Presentation of MS platform of Technology Platforms Center, University of Verona"** *Samantha Solito (University of Verona)*
15:30 - 16:00	**Coffee Break & Posters**
	Chairs: Massimo Donadelli, Daniela Cecconi
16:00 - 16:40	**"Expression of lactate transporters (MCTs) in human cancers and exploitation as therapeutic targets"** *Fátima Baltazar (University of Minho, Portugal)*
16:40 - 17:10	**"Warburg caught in a TRAP. The mitochondrial chaperone TRAP1 in neoplastic growth"** *Andrea Rasola (University of Padua, Italy)*
17:10 - 17:25	**"Latest Hardware and Softwar e Innovations for Metabolomics"** *Nicola Cimino (Agilent)*
17:25 - 17:45	**"Targeting SCF complex and protein turnover to overcome chemoresistance and trigger innate anti-tumour immune response in Malignant Pleural Mesothelioma"** *Preeta Ananthanarayanan (Università di Torino)*
17:45 - 17:55	**Best poster awards**
17:55 - 18:00	**Closing remarks**

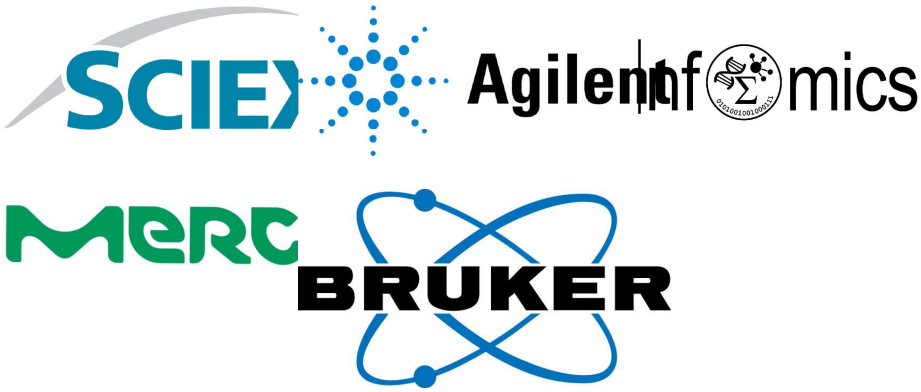
ADVANCED SCHOOL "BIOINFORMATICS TOOLS FOR MASS SPECTROMETRY-BASED OMIC DATA: FROM PATHWAYS RECONSTRUCTION TO MULTI-OMIC DATA INTEGRATION"

TUESDAY 2nd JULY 2019:

Università degli Studi di Verona, aula Alpha, Dipartimento di

Informatica

09:00 - 9:15	Welcome
09:15 - 9:45	Bioinformatics tools for in silico proteome and metabolome analysis (theory) *Marcello Manfredi (University of Eastern Piedmont)*
09:45 - 11:00	**Hands-on: MS spectra interpretation, database searching and processing** *Daniela Cecconi (University of Verona, Dept. of Biotechnology)*
11:00 - 11:45	**Hands-on: proteomics data analysis (DAVID software), protein-protein interaction (String database)** *Marcello Manfredi (University of Eastern Piedmont)*
11:45 - 12:30	**Hands-on: proteomics data pathway enrichment (Cytoscape), protein secretion (SecretomeP, SignalP, Vesiclepedia)** *Jessica Brandi (University of Verona, Dept. of Biotechnology)*
12:30 - 14:00	Lunch
14:00 - 14:45	**Hands-on: metabolomics data analysis and pathway enrichment (MetaboAnalyst)** *Marcello Manfredi (University of Eastern Piedmont)*
14:45 - 16:00	**Hands-on: multi-omics data integration by systems biology (Cytoscape)** *Rosalba Giugno - Vincenzo Bonnici (University of Verona, Dept. of Computer Science)*
16:00 - 16:30	**Challenges and case studies** *Daniela Cecconi - Jessica Brandi (University of Verona, Dept. of Biotechnology)*
16:30 - 17:00	Summary - Wrap up - Discussions



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