

Friday, 30<sup>th</sup> April

# ItPA YOUNG INVESTIGATORS' (VIRTUAL) DAY



## Program

- 9.00 Welcome from ItPA President Paola Roncada
- 9.15 - 10.25 **First session** (7 presentations; 7'+3');  
chair Tiziana Alberio
- 9.15 BOROUMAND MOZHGAN  
Longitudinal investigation of S-cysteinylation and S-glutathionylation of cysteines of salivary long S100A9 and cystatin B from preterm newborns to adults
- 9.25 CONTINI CRISTINA  
Characterization of novel human Cystatin B salivary interactome in Alzheimer's Disease, Dementia with Lewy Bodies and healthy subjects
- 9.35 COSTANZO MICHELE  
The brain proteome of the first rat model of glutaric acidemia type I
- 9.45 CUCINA ANNAMARIA  
Analysis of the gut of the Shandrin mammoth via EVA technology: a metaproteomic approach for paleoclimate and microbiota reconstruction
- 9.55 FUCITO MAURINE  
Brain Lipidomics Through MALDI-MS Imaging for the Study of Pathophysiological Processes in Neurodegenerative Diseases
- 10.05 IACOBUCCI ILARIA  
The interaction between the F55 virus-encoded transcription regulator and the RadA host recombinase reveals a common strategy in Archaea and Bacteria to sense the UV-induced damage to the host DNA
- 10.15 LA CHIMIA MARINA  
DJ1 proteoforms in breast cancer cells: the escape of metabolic epigenetic misregulation

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10.25 - 10.35	Break (poster session)
10.35 - 11.45	<b>Second session</b> (7 presentations 7'+3'); chair Alessio Soggiu
10.35	LELLI VERONICA Urine Metabolome during Parturition
10.45	LOMBARDI RITA HSP90 identified by a proteomic approach as druggable target to reverse platinum resistance in ovarian cancer
10.55	MANIACI MARIANNA The impact of arginine-methylation in phase separation and RNA-binding proteins dynamics in cancer
11.05	MONACO VITTORIA ADAM10 hyperactivation acts on piccolo to deplete synaptic vesicle stores in Huntington's Disease
11.15	OSSO VINCENZO Response to the acidification of <i>Posidonia oceanica</i> and <i>Cymodocea nodosa</i>
11.25	PAGANI LISA Untargeted mass spectrometry approach to study SARS-CoV-2 proteins and characterize human plasma and saliva proteome in COVID-19 patients
11.35	PITTALA' MARIA GAETANA GIOVANNA Post-translational modification analysis of VDAC1 and VDAC3 mitochondrial porins in ALS SOD1G93A model cells by high resolution mass spectrometry

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11.45 - 11.55	Break (poster session)
11.55 - 12.55	<b>Third Session</b> (6 presentations 7'+3'); chair Viviana Greco
11.55	SANTORELLI LUCIA Early-Onset Colorectal Cancer: a proteomic approach to decipher tumour mechanisms as candidate targets of new therapies
12.05	SHABA ENXHI Functional proteomic investigation of astrocytes and astrocyte-derived extracellular vesicles isolated from Rai knockout and wild type mice
12.15	SHAFIQUE ADEENA <i>C9ORF72</i> repeat expansion affects the proteome of primary skin fibroblasts in ALS and FTD
12.25	SIGISMONDO GIANLUCA Chromatin dynamics during DNA repair investigated via chromatin-directed proteomics
12.35	TILOCCA BRUNO First report on the goat cheese microbiota by metaproteomics: a One-Health perspective
12.45	TURILLI EMILY LiP-TAILS: setup of a new approach to detect proteome-wide structural rearrangements and application to a cellular model of Parkinson's Disease
12.55 - 13.15	Break (poster session)
13.15 - 14.00	<b>Award Ceremony</b>

During the breaks, the Scientific Committee (ItPA Executive Board) will select the ten best presentations: the 3 best presentations will be awarded a prize of 350-200-150 euros, the other 7 a prize of 100 euros.  
**Scientific committee:** Paola Roncada Margherita Ruoppolo Laura Giusti Tiziana Alberio Viviana Greco Alessio Soggiu