BRIDGING THE GAP BETWEEN EXPERIMENTALISTS, BIOCURATORS AND ANALYSIS TOOL PROVIDERS

UCL-Rome meeting
funded by UCL Cities Partnerships Programme

ROME / MAY 2nd, 2023
Aula Seminari "Francesco Autuori", Department of Biology , Università degli Studi di Roma "Tor Vergata"
SCIENTIFIC COMMITTEE

Ruth Lovering - Functional Gene Annotation group, University College of London, UCL, UK.
Luana Licata - MINT database coordinator, University of Rome tor Vergata, Italy.

PROGRAMME

09:00-09:10	**Welcome** Antonella Canini, Director of the Dept. of Biology, Univ. "Tor Vergata" Luana Licata and Ruth Lovering, Scientific Organisers
09:10-09:30	**Gene Ontology annotation of microRNAs** Ruth Lovering, University College London, UCL
09:30 -09:55	**PPI networks and system biology approaches** **for the study of complex neurodegenerative disorders** Claudia Manzoni, University College London, UCL
09:55-10:20	**Evolutionary and functional links between neuropilins and VEGF** Snezana Djordjevic, University College London, UCL
10:20-10:45	**Seeing pathogenic "signals" in the microbiome "noise" –** **dynamic bacterial expression patterns in urinary tract infection** Jennifer Rohn, University College London, UCL
10:45-11:15	**Coffee/tea**
11:15-11:30	**Contextualizing molecular networks for human diseases** Luana Licata, University of Rome Tor Vergata
11:30-11:45	**Transcriptomics data analysis and functional interpretation of gene lists** Teresa Colombo, IBPM, CNR
11:45-12:00	**Omics data integration for personalized medicine:** **challenges and opportunities** Allegra Via, University of Rome Sapienza
12:00-12:15	**The clinical potential of peripheral human tissues** **analysis in Parkinson's disease** Tommaso Schirinzi, University of Rome Tor Vergata

12:15-12:45	**Open discussion**
12:45-13:45	**Lunch**
13:45-14:00	**Structural Bioinformatics: Exploitation of** **Proteins as Drugs, Drug Precursors, Drug Targets and Drug Carriers** Veronica Morea, IBPM, CNR
14:00-14:15	**Uncovering new signaling pathways modulated by Src kinase** **in cancer** Daniela Barilà, University of Rome Tor Vergata
14:15-14:30	**A network-based approach to address complex diseases** Francesca Sacco University of Rome Tor Vergata
14:30-14:45	**SignalingProfiler: leveraging manually-curated** **data toward multi-omics integration** Livia Perfetto, University of Rome Sapienza
14:45-15:00	**Identification of conserved modules embedded into** **non-homologous lncRNA genes in human** Manuela Helmer-Citterich, University of Rome Tor Vergata
15:00-15:15	**Deciphering Adipose Tissue Cell Heterogeneity: Development of** **scRNAseq-based Bionformatics Tools** Andrea Ninni and Daniele Lettieri Barbato, University of Rome Tor Vergata
15:15-15:45	**Coffee/tea**
15:45-17:00	**Open discussion**