



Primers in omic data analysis: genomics and transcriptomics to boost your research in molecular nutrition

September 3-5, 2023 – City Hotel, Senigallia, Italy

Organizing committee: Rosita Gabbianelli and Laura Bordoni.

Scientific committee: Rosita Gabbianelli, Laura Bordoni, Valerio Napolioni, Susan Coort, Michiel Adriaens.

3 rd of September (Sunday)	4 th of September (Monday)	5 th of September (Tuesday)
	9.30-10.15 Guided Hands-on experience with PLINK – How to perform a GWAS (<i>Valerio Napolioni</i>)	9.30-10.15 An overview on eQTL analysis: interpreting non-coding variants from GWAS through transcriptomics (<i>Michiel Adriaens</i>)
	10.15-11.00 From GWAS to function – Linking SNPs to genes and processes (<i>Susan Coort</i>)	10.15-11.00 Guided Hands-on experience on eQTL analysis and interpretation - part I (<i>Michiel Adriaens</i>)
	<i>Coffee break (11.00-11.30)</i>	<i>Coffee break (11.00-11.30)</i>
	11.30-12.15 Guided hands-on experience with VEP and WikiPathways – How to perform functional SNP analysis (<i>Susan Coort</i>)	11.30-12.15 Guided Hands-on experience on eQTL analysis and interpretation - part II + Q&A (<i>Michiel Adriaens</i>)
	12.15-13.00 SNPs in network analysis (<i>Susan Coort</i>)	12.15-12.30 <i>Closing remarks</i>
	<i>Lunch (13.00-14.30)</i>	<i>Lunch (12.30-13.30)</i>
14:30-15:00 Registration	14.30-15.15 Guided Hands-on session with Cytoscape – How to create and analyse SNP-target gene-process networks (<i>Susan Coort</i>)	NUGO Week Starts
15:00-15:15 Welcome and Introduction	15.15-16.00 <i>Q&A session</i>	
15.15-16.00 An overview on genomic dataset analysis and GWAS – Public Biobanks as an opportunity (<i>Valerio Napolioni</i>)		
<i>Coffee break (16.00-16.30)</i>	<i>Coffee break (16.00-16.30)</i>	
16.30-17.15 GWAS data analysis: overview on quality control (<i>Valerio Napolioni</i>)		
17.15-18.00 <i>Q&A session</i>		
<i>Welcome party at City Hotel (from 18.00)</i>		