



# 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, Chris Evelo.

	3 September	4 September	5 September
9.30-10.15 (45min)		<b>Guided Hands-on experience with PLINK</b> – How to perform a GWAS (Valerio Napolioni)	<b>An overview on transcriptomics and pathway analysis</b> ( <i>Chris Evelo</i> )
10.15-11.00 (45min)		<b>From GWAS to function</b> – Linking SNPs to genes and processes (Susan Coort)	<b>Guided Hands-on experience on transcriptomics and pathway analysis part I</b> ( <i>Chris Evelo</i> )
		Coffee break	Coffee break
11.30-12.15 (45min)		<b>Guided hands-on experience with VEP and WikiPathways</b> – How to perform functional SNP analysis (Susan Coort)	<b>Guided Hands-on experience on transcriptomics and pathway analysis part II</b> ( <i>Chris Evelo</i> )
12.15-13.00 (45min)		<b>SNPs in network analysis</b> (Susan Coort)	<i>Q&amp;A session</i>
		Lunch	Lunch
14.00- 14.30			<b>NUGO Week Starts</b>
14.30-15.15	<b>Registration 14:30-15:00 – Welcome and Introduction</b> 15:00-15:15	<b>Guided Hands-on session with Cytoscape</b> – How to create and analyse SNP-target gene-process networks (Susan Coort)	
15.15-16.00 (45min)	<b>An overview on genomic dataset analysis and GWAS</b> – Public Biobanks as an opportunity (Valerio Napolioni)	<i>Q&amp;A session</i>	
	Coffee break	Coffee break	
16.30-17.15 (45min)	<b>GWAS data analysis: overview on quality control</b> (Valerio Napolioni)		
17.15-18.00 (45min)	<i>Q&amp;A session</i>		
18.00	Welcome party at City Hotel		