

Program overview

MONDAY March 2, 2020	
17:30	Registration
19:00	Welcome Reception at Hotel Slon (club 2+3 Hall)
TUESDAY March 3, 2020	
08:30-16:30	Registration
09:00-09:10	Welcome addresses (Kavarna Hall)
09:10-09:30	Introduction to 2019-2020 COST INTEGRAPE activities (Kavarna Hall)
09:30-10:40	Session 1: Genomes, genome variation and gene functional annotation (Kavarna Hall)
09:30-10:00	Network based potato gene function prediction from temporal gene expression and knowledge Blaž Škrlić (Jožef Stefan Institute, Slovenia; Jožef Stefan International Postgraduate School, Slovenia)
10:00-10:20	The wild side of grape genomics Dario Cantu (University of California Davis, USA)
10:20-10:40	Transposable elements, structural variation and epigenetic variation in grapevine Michele Morgante (Università di Udine, Dipartimento di Scienze agroalimentari, ambientali e animali, IGA, Istituto di Genomica Applicata, Udine, Italy)
10:40- 11:10	Coffee Break
11:00-12:30	Session 2: Grapevine transcriptomics (Kavarna Hall)
11:00-11:30	Development and application of Spatial Transcriptomics from mammalian species to plants: progress and prospects Stefania Giacomello (SciLifeLab, Stockholm Sweden) (via remote presentation)
11:30-11:50	GREAT (Grape Expression Atlas): all in one, a curated database, an analysis workflow and a web application to analyze Vitis vinifera public RNA-seq data Camille Rustenholz (Université de Strasbourg, INRAE, SVQV UMR-A 1131, Colmar, France)
11:50-12:10	Defining a model of molecular phenology for grape berry development Giovanni Battista Tornielli (Department of Biotechnology, University of Verona, Italy)
12:10-12:30	Finding functional interactions among grapevine genes using transcriptomic data and NES2RA algorithm Stefania Pilati (Research and Innovation Centre, Fondazione E. Mach, San Michele all'Adige, Italy)
12:30-14:00	Lunch (Crystal Hall) and poster session (Kavarna Hall)
14:00-14:20	Session 2: Grapevine transcriptomics - continued (Kavarna Hall)
14:00-14:20	Report on the METHADA 2020 Training School Jérôme Grimplet (Centro de Investigación y Tecnología Agroalimentaria de Aragón, Zaragoza, Spain) José Tomás Matus (CRAG Building - Campus UAB, Barcelona, Spain)
14:20-15:10	Session 3: Grapevine metabolomics (Kavarna Hall)
14:20-14:50	Introduction to FAIR principles about data, metadata and protocols in metabolomics Panagiotis Arapitsas Pietro Franceschi (Centro di Ricerca e Innovazione, Fondazione Edmund Mach, San Michele all'Adige (Italy)
14:50-15:10	Lipid characterization of Ribolla Gialla grapes for the production of monovarietal sparkling wines Domen Škrab (Edmund Mach Foundation, Research and Innovation Centre, Department of Food Quality and Nutrition, San Michele all'Adige, Italy, University of Udine, Department of Agricultural, Food, Environmental and Animal Sciences, Udine, Italy)
15:10-16:00	Session 4: Genetics and genomics of traits of interest (Kavarna Hall)
15:10-15:40	The search for SNP, InDel and SSR markers associated to berry size in table grape, or the dream of a MAS platform for a complex trait Patricio Hinrichsen (Instituto de Investigaciones Agropecuarias, INIA La Platina, Chile)

15:40-16:00	An optimization of the marker-assisted breeding process for downy and powdery mildew resistance in grapevine Paola Bettinelli (Centro di Ricerca e Innovazione, Fondazione Edmund Mach, San Michele all'Adige (Italy))
16:00- 16:20	Coffee Break
16:20-17:20	Session 4: Genetics and genomics of traits of interest - continued (Kavarna Hall)
16:20-16:40	Berry shrivel a matter of "switch" gene manipulation – is there a bioinformatic solution? Michaela Griesser (University of Natural Resources and Life Sciences Vienna, Department of Crop Sciences, Institute of Viticulture and Pomology)
16:40-17:00	Study of the diversity of Moroccan local vine varieties "Vitis vinifera ssp. Vinifera" basing on OIV ampelographic descriptors Salama El Fatehi (Université Abdelmalek Essâadi, Faculté Polydisciplinaire de Larache, département des Sciences de la Vie, Larache – Maroc; Université Abdelmalek Essâadi, Laboratoire de Botanique Appliquée – Equipe de Bio-Agrodiversité, Département des Sciences de la Vie et de la terre, Tétouan, 93030, Maroc)
17:00-17:20	Haplotyping the germplasm collections of the USDA National clonal germplasm repositories with rhAmpSeq and development of markers for sex locus and other breeding QTLs Qi Sun (Breeding Insight, USDA & Cornell University, Ithaca, USA)
19:00	Informal networking at Union Pub (own expense)
WEDNESDAY March 3, 2020	
08:00-16:30	Registration
09:00-10:30	Session 5: Data integration, knowledge development (Kavarna Hall)
09:00-09:30	Network analysis of multilevel integrated plant datasets Živa Ramšak (National institute of Biology, Slovenia)
09:30-09:50	Phenotypic variation of ampelographic and technological traits of newly created grapevine genotypes Glišić Milica (University of Belgrade, Faculty of Agriculture, Belgrade-Zemun Serbia)
09:50-10:10	Omics approaches to investigate different susceptibility of grapevine varieties to Flavescence dorée Nadia Bertazzon (CREA-Research Centre for Viticulture and Enology Italy)
10:10-10:30	Volatile organic compounds from essential oils as a sustainable alternative to pesticides – deciphering the molecular basis underlying their mode of action and their role as plant immunity primers Markus Rienth Sana Ghaffari, Marylin Cléroux, Arnaud Pernet, Julien Crovadore, Eric Remolif, Jean-Philipp Burdet, Francois Lefort (Changins, haute école de viticulture et œnologie, Nyon Switzerland)
10:30- 10:50	Coffee Break
10:50-12:10	Session 6: Presentation of the work done through the STSM Program (Kavarna Hall)
10:50-11:10	Case study: Impact of INTEGRAPE on documentation and molecular characterization of grape genetic resources in Armenia Kristine Margaryan (Research Group of Plant Genetics and Immunology, Institute of Molecular Biology of National Academy of Sciences RA, Armenia Armenia)
11:10-11:30	The correlation of secondary metabolites contents with oxidoreductase enzyme activities in autochthonous grapevine varieties from Bosnia and Herzegovina Dino Hasanagić (Faculty of Natural Sciences and Mathematics, University of Banja Luka Bosnia and Herzegovina)
11:30-11:50	Monitoring of a vineyard soil moisture and ground-zone temperature by automatic sensors Barnabás Kovács (University of Pannonia, Georgikon Faculty, Department of Horticulture, Hungary)
11:50-12:10	Introduction to the pilot project sessions
12:10-13:30	Lunch (Crystal Hall) and poster session (Kavarna Hall)

13:30-16:00	Breakout sessions of the pilot projects
	<ul style="list-style-type: none"> - <i>pilot project 1(Kavarna Hall 1) and 3 (Kavarna Hall 2): metadata for genome submission to ENA + alignment with requirements for transcriptome submissions, gene nomenclature</i> - <i>pilot project 2 (Club Hall 1) : standardisation of the organs naming, development stages, Vitis ontology</i>
16:00 – 16:30	Coffee Break
16:30-17:00	<i>Break out sessions of the pilot projects (continued)</i>
17:00-17:30	<i>Report of the break out session to all: planning towards deliverables (Kavarna Hall)</i>
19:00-22:30	Networking dinner at Ljubljana Castle
THURSDAY March 5, 2020	
08:00-09:30	Registration
09:00-10:30	Annual meeting wrap-up (Kavarna Hall)
10:30–10:50	Coffee Break
10:40-12:10	Core group meeting (Kavarna Hall)
12:10-13:10	Management committee meeting (Kavarna Hall)