

ISGPB 2021 - Preliminary Symposium Programme

Time is Greenwich Mean Time + 2



Sunday 31 October

TIME	Opening event	Presenter/Moderator	Presentation Title	Live/Pre-recorded
16:15 - 16:30	Welcome and general info			Live event
16:30 - 17:20	Opening lecture + Q&A	Jill Farrant	Resurrection plants as models for production of extremely drought tolerant crops	Live event
17:20 - 18:00	Plenary lecture + Q&A	Dario Cantu	Grape research in the age of pangenomes	Live event

Monday 1 November

TIME	Topic A: Environmental Interactions	Presenter/Moderator	Presentation Title	Live/Pre-recorded
Session A1				

Offline poster presentations will be available to view on the dedicated ISGPB2021 microsite, throughout the symposium days. (The microsite link will be shared prior to the symposium)

8:55-9:00	Introduction of speakers/session			Live event
9:00-9:30	Plenary lecture	Jan van Kan	How to prosper on grape berries: the tricks and treats of <i>Botrytis</i> infection processes	Live event
9:30-9:45	Presentation	Suzanne Balacey	The role of volatile signalling in grapevine responses to drought	Live event
9:45-10:00	Presentation	Patrice This	What are the main drivers of grapevine's phyllosphere microbiome structuring ?	Live event
10:00-10:15	Presentation	Ana Margarida Fortes	Transcriptional, hormonal, and metabolic changes in susceptible grape berries under powdery mildew infection	Live event
10:15-10:45	Q&A			Live event
10:45-10:50	Flash Presentation	Elyashiv Drori	Water availability and vegetation density constrain the dispersion of wild grapevines populations at the southern distribution edge	Pre-recorded
10:50-10:55	Flash Presentation	Romain Darriaut	Dysbiosis in soil microbial diversity is differently managed by the grapevine rootstock genotype	Pre-recorded
10:55-11:00	Flash Presentation	Jose Escalona	Intra-cultivar genetic diversity in improving water use efficiency in grapevine	Pre-recorded

Session A2

11:55-12:00	Introduction of speakers/session			Live event
12:00-12:15	Pre-recorded presentation	Vinay Pagay	A comparison of drought tolerance between pre-clonal and clonal Cabernet Sauvignon grapevines under field and glasshouse conditions	Pre-recorded
12:15-12:30	Pre-recorded presentation	Rina Kamenetsky	Virome of 'Chardonnay' from Southern Russia and virus eradication using biotechnological tools	Pre-recorded
12:30-12:45	Pre-recorded presentation	Joanah Midzi	Abiotic stress-induced inter-vine signalling via plant volatiles	Pre-recorded
12:45-13:00	Pre-recorded presentation	Esther Hernández Montes	Combined effects of heat and water stress on grapevine growth and physiology	Pre-recorded
13:00-13:15	Q&A			Live event

Session A3

15:55-16:00	Introduction of speakers/session			Live event
16:00-16:30	Plenary lecture	Joerg Bohlman	TBA	Live event
16:30-16:45	Presentation	Claudio Pastenes	Energy conversion responses to water deficit in 4 grapevine varieties with contrasting stomatal sensitivity	Live event
16:45-17:00	Presentation	Evodia Setati	TBA	Live event
17:00-17:30	Q&A			Live event

Tuesday 2 November

TIME	Topic B: Grapevine Development	Presenter/Moderator	Presentation Title	Live/Pre-recorded
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Session sponsored by Villa Crop



Session B1

Offline poster presentations will be available to view on the dedicated ISGPB2021 microsite, throughout the symposium days. (The microsite link will be shared prior to the symposium)

08:50-9:00	Introduction of speakers/session			Live event
9:00-9:30	Plenary lecture	Nathalie Ollat	Rootstocks and scions: how these two players interact in response to environmental conditions	Live event
9:30-9:45	Presentation	Anne Janoueix	Imaging xylem connections between the scion and rootstock of grafted grapevine with X-ray microtomography	Live event
9:45-10:00	Presentation	Giovanni B. Tornielli	A novel berry phenological scale based on gene expression	Live event
10:00 - 10:30	Q&A			Live event
10:30-10:35	Flash Presentation	Julia Gouot	Grape berry acclimation to high and extreme high temperatures	Pre-recorded
10:35-10:40	Flash Presentation	Grégoire Loupuit	Understanding stilbene accumulation at the graft interface of grapevine and their potential use for predicting graft incompatibility	Pre-recorded
10:40-10:45	Flash Presentation	Estefanía Uberegui	Footprint of rootstock on <i>Vitis vinifera</i> a response to drought	Pre-recorded
10:45-10:50	Flash Presentation	Yishai Netzer	Advanced modeling of grapevine water consumption	Pre-recorded
10:50-10:55	Flash Presentation	Silvina Dayer	Grapevine drought tolerant ideotypes to adapt viticulture to climate change	Pre-recorded

Session B2				
11:55-12:00	Introduction of speakers/session			Live event
12:00-12:15	Pre-recorded presentation	Markus Rienth	Individual berry sampling lead to the discovery of novel transcriptomic modifications induced by leafroll virus infection in grapevine (<i>V. vinifera</i>) berries	Pre-recorded
12:15-12:30	Pre-recorded presentation	Ignacio Buesa	Rootstock effects on physiological response of Tempranillo cultivar	Pre-recorded
12:30-12:45	Pre-recorded presentation	Philippe Vivin	Unravelling the genetic and environmental control of root system architecture traits in grapevine rootstocks using the structural root model, Archisimple	Pre-recorded
12:45-13:00	Pre-recorded presentation	Steve Tyerman	Cell death in grape berries	Pre-recorded
13:00-13:15	Q&A			Live event
Session B3				
15:55-16:00	Introduction of speakers/session			Live event
16:00-16:30	Plenary lecture	Patricio Hinrichsen	Genetics and markers for quality traits in table grapes: From the heaven of single traits to the deepness of polygenics	Live event
16:30-16:45	Presentation	Laurent Deluc	Influence of seed development on the timing of ripening initiation in grape berry	Live event
16:45-17:00	Presentation	Erica D'Inca	CARPO-NAC regulator controls the initiation of organ maturation in grapevine	Live event
17:00-17:30	Q&A			Live event
	Wednesday 3 November			
TIME	Topic C: Fruit Composition	Presenter/Moderator	Presentation Title	Live/Pre-recorded
Session C1				
Offline poster presentations will be available to view on the dedicated ISGPB2021 microsite, throughout the symposium days. (The microsite link will be shared prior to the symposium)				
8:55-9:00	Introduction of speakers/session			Live event
9:00-9:30	Plenary lecture	Zhanwu Dai	TBA	Live event
9:30-9:45	Presentation	Pietro Previtali	Delayed ripening affects the formation of berry quality traits in Cabernet Sauvignon grapes	Live event
9:45-10:00	Presentation	Franco Röckel	High-density genetic mapping and aroma compound-related QTL analysis in a white wine F1 population	Live event
10:00-10:15	Presentation	Michaela Griesser	Grape Berry Shrivell Disorder: Lessons learnt and Knowledge Gaps	Live event
10:15-10:45	Q&A			Live event
10:45-10:50	Flash Presentation	Claudia Muñoz-Espinoza	Towards the identification of the genetic determinants of harvest date in table grapes	Pre-recorded
10:50-10:55	flash presentations to be added from poster submissions			Pre-recorded
10:55-11:00	flash presentations to be added from poster submissions			Pre-recorded
Session C2				
11:55-12:00	Introduction of speakers/session			Live event
12:00-12:15	Pre-recorded presentation	Kamal Tyagi	The consequences of plant growth regulators application and girdling on phenolic and volatiles composition of grapes	Pre-recorded
12:15-12:30	Pre-recorded presentation	Josh VanderWeide	Terpene biosynthesis is uncoupled from berry maturity and predominately regulated by solar radiation in Riesling (<i>Vitis vinifera</i> L.)	Pre-recorded
12:30-12:45	Pre-recorded presentation	Sebastián Vargas	Regulated deficit irrigation on cv. cabernet sauvignon grapes: impact on aroma and phenolic composition	Pre-recorded
12:45-13:00	Pre-recorded presentation	Ghislaine Hilbert	Increased temperature, elevated atmospheric CO2 and water deficit modify grape composition of different Tempranillo (<i>Vitis vinifera</i> L.) clones	Pre-recorded
13:00-13:15	Q&A			Live event
Session C3				
15:55-16:00	Introduction of speakers/session			Live event
16:00-16:30	Plenary lecture	Phillipe Gallusci	Methylome dynamics in grapevine: from fruit development to stress responses and memories	Live event
16:30-16:45	Presentation	Simone Diego Castellarin	Impact of ripening-related hormones on terpene biosynthesis in Gewürztraminer grapes (<i>Vitis vinifera</i> L.)	Live event
16:45-17:00	Presentation	Lina Wang	Combining leaf-to-fruit ratio manipulations with abscisic acid application adjusts sugar and anthocyanin concentrations in ripening berries	Live event
17:00-17:30	Q&A			Live event
	Thursday 4 November			
TIME	Topic D: Computational Resources and Data Analysis	Presenter/Moderator	Presentation Title	Live/Pre-recorded
Session D1				
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8:55-9:00	Introduction of speakers/session			Live event
9:00-9:30	Plenary lecture	Sigfredo Fuentes	TBA	Live event
9:30-9:45	Presentation	David Navarro-Payá	Genome-wide exploration of transcription factor targets involved in grape specialized metabolism and visualization through DAPBrowse: a centralized genome-browser for DAP-seq data	Live event
9:45-10:00	Presentation	Stefania Pilati	Vitis OneGenE: a causality-based method for gene network analysis in grapevine. Characterization of the laccase and dirigent protein gene families	Live event
10:00-10:30	Q&A			Live event
10:30-10:35	Flash Presentation	TBA	TBA	Pre-recorded
10:35-10:40	Flash Presentation	Jessica Vervalle	The construction of a high-density consensus map based on three mapping populations using the Vitis18K SNP chip and a reference genome sequence	Pre-recorded

Session D2				
11:55-12:00	Introduction of speakers/session			Live event
Topic D				
12:00-12:15	Pre-recorded presentation	Bernadette Rubio	Small RNA populations reflect the complex dialogue established between heterograft partners in grapevine	Pre-recorded
12:15-12:30	Pre-recorded presentation	Marco Moretto	A COMPASS for VESPUCCI: a FAIR way to explore the grapevine transcriptomic landscape	Pre-recorded
12:30-12:45	Pre-recorded presentation	Philip Gauthier	Using Geolocated Proxy Sensor Systems to Assess Spatiotemporal Stability of Seasonal Wood Biomass in Northern California Vineyards	Pre-recorded
Topic E				
12:45-13:00	Pre-recorded presentation	Nele Bendel	Climate protection based on increased humus amounts in vineyard soils: Sensor-based characterization of grapevine vitality	Pre-recorded
13:00-13:15	Pre-recorded presentation	Anke Berry	Estimation of grapevine lateral leaf area (LLA) from RGB imagery using colour thresholds and automatic k-means image segmentation	Pre-recorded
13:15-13:30	Pre-recorded presentation	Diego Lijavetzky	Whole genome resequencing and custom genotyping unveil clonal lineages in 'Malbec' grapevines (<i>Vitis vinifera</i> L.)	Pre-recorded
13:30-13:50	Q&A			
INTEGRAPE WORKSHOP				
			Moderator: Daniela Holtgraewe	
Data Integration, The Power of Omics & Grape Improvement				
Presenter				
14:30-14:40		Mario Pezzotti	Introduction of the INTEGRAPE COST ACTION	Live event
14:40-14:50		Eric Duchene	Phenotyping guidelines	Live event
14:50-15:00		José Tomás Matus	Gene Nomenclature and Gene Reference Catalogue	Live event
15:00-15:10		Jerome Grimplet	White cook book- guidelines for genomics/transcriptomics data	Live event
15:10-15:20		Fulvio Mattivi	Metabolomics guideline	Live event
15:20-15:30		Camille Rustenholz	The new PN40024 reference genome assembly	Live event
15:30-15:40		Jerome Grimplet	Training Schools	Live event
15:40-16:05		Ana Margarida Fortes	The STSM/ITC program. PechaKucha of student STSM experiences	Live event
16:05-16:15			Showcasing the new website	Live event
16:15-16:30	Round Table		Round Table/Forum for discussion	Live event
Friday 5 November				
TIME	Topic E: Technological Advances	Presenter/Moderator	Presentation Title	Live/Pre-recorded
Session E1				
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8:55-9:00	Introduction of speakers/session			Live event
9:00-9:30	Plenary lecture	Pablo Zarco-Teda	TBA	Live event
9:30-10:00	Plenary lecture	Anna Kircherer	High-throughput field phenotyping in vineyards: objectives, approaches, goals	Live event
10:00-10:15	Presentation	Giovanni Caruso	Monitoring grapevine water status by unmanned aerial vehicle (UAV) and plant based sensors	Live event
10:15-10:30	Presentation	Pablo Carbonell-Bejerano	Clonal improvement-associated somatic mutations identified from diploid genome assembly in Tempranillo grapevine cultivar	Live event
10:30-11:00	Q&A			Live event
SHORT BREAK (30min)				
11:30-11:35	Flash Presentation	Jaco Luus	Automatic image filtering for determining representative canopy temperatures with thermography in vineyards	Pre-recorded
11:35-11:40	Flash Presentation to be selected from Abstract submissions			Pre-recorded
11:40-11:45	Flash Presentation to be selected from Abstract submissions			Pre-recorded
Closing session: Progress with Grapevine CRISPR Technologies				
11:45-12:00	Presentation	Lisa Giacomelli	Generation of non-transgenic mildew-resistant grapevine clones via gene-editing: potentials and hurdles	Live event
12:00-12:15	Presentation	Lorenza Dalla Costa	Edited grapevine knocked-out for VvEPFLg-1 showed reduced stomatal density	Live event
12:15-12:45	Panel discussion			Live event
12:45-12:55	ISHS Business meeting			Live event
12:55-13:05	Closing remarks			Live event
Preliminary programme is subject to change without prior notice to delegates participating in the virtual symposium				