

ISGPB 2021 - Preliminary Symposium Programme

Time is Greenwich Mean Time + 2



Sunday 31 October

updated 11 Oct 2021

TIME	Opening event	Presenter/Moderator	Presentation Title	Live/Pre-recorded
Session moderators: Bruce Reisch & Stefano Poni				
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 Session moderators: Astrid Forneck, Lizele Mostert & Ian Dry				

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 Darriaud	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

Session moderators: Aaron Fait

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

Session moderators: Suzy Rogiers & Manfred Stoll

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

Session moderators: Etti Or & Chris Davies

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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 Loupit	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

Session moderators: Chris Winefield & Laurent Torregrosa

11:55-12:00	Introduction of speakers/session			Live event
12:00-12:15	Pre-recorded presentation	Markus Rienth	Individual berry sampling reveals 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		Session moderators: Simone Diego Castellarin & Laurent Deluc		
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		Session moderators: Huiqin Ma & Jerome Grimplet		
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8:55-9:00	Introduction of speakers/session			Live event
9:00-9:30	Plenary lecture	Zhanwu Dai	Modeling berry growth and quality formation at multiple levels	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				
Session moderators: Sara Zenoni & Javier Ibanez				
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 CO ₂ 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				
Session moderators: Luis Sanchez & Claudio Pastenes				
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 Integration	Presenter/Moderator	Presentation Title	Live/Pre-recorded
Session D1		Session moderators: Maria Stella Grando & Ana Margarida Fortes		
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8:55-9:00	Introduction of speakers/session			Live event
9:00-9:30	Plenary lecture	Mario Pezzotti	Sigfredo-FI Artificial Intelligence advances for Digital Viticulture and Oenology	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 to be selected from Abstract submissions			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 Vitis8K SNP chip and a reference genome sequence	Pre-recorded

Session D2		Session moderators: Patrice This & Javier Tardaguila		
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	Philip Gauthier	Using Geolocated Proxy Sensor Systems to Assess Spatiotemporal Stability of Seasonal Wood Biomass in Northern California Vineyards	Pre-recorded
Topic E				
12:30-12:45	Pre-recorded presentation	Nele Bendel	Climate protection based on increased humus amounts in vineyard soils: Sensor-based characterization of grapevine vitality	Pre-recorded
12:45-13:00	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
13:00-13:15	Pre-recorded presentation	Diego Lijavetzky	Whole genome resequencing and custom genotyping unveil clonal lineages in 'Malbec' grapevines (<i>Vitis vinifera</i> L.)	Pre-recorded
13:15-13:35	Q&A			Live event
INTEGRAPE WORKSHOP (COST Action CA17111)		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		Jérôme 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		J. Grimplet/T. Matus	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 Session moderators: Sigfredo Fuentes & Markus Rienth				
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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-Bejermano	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		Session moderators: Johan Burger, Reinhard Töpfer & Riccardo Velasco		
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				