

Monday (June 21)

Session 1 (IGGP)

1.	THE INTERNATIONAL GRAPE GENOME PROGRAM <i>Mark R. Thomas</i>
2.	AN UPDATE ON CHARACTERIZATION OF THE GRAPE TRANSCRIPTOME THROUGH EST SEQUENCING, TRANSCRIPTIONAL PROFILING AND BIOINFORMATICS <i>D. Cook, et al</i>
3.	WHAT DO WE LEARN FROM THE STUDY OF 90 000 BAC ENDS SEQUENCES <i>A-F Adam-Blondon, et al.</i>
4.	PROGRESS IN REFERENCE GENETIC MAP AND REFERENCE POPULATION FOR MAPPING <i>S. Grando, A. Doligez</i>
5.	PROGRESS IN BIOINFORMATICS-THE CHALLENGE OF INTEGRATING TRANSCRIPTOMIC, PROTEOMIC & METABOLOMIC INFORMATION <i>G. Cramer, J. Cushman, D. Schooley, et al.</i>

Session 2 (Genetics/Biotechnology)

6.	CONSTRUCTION OF A CONTIG-BASED PHYSICAL MAP OF GRAPE USING FLUORESCENT FINGERPRINTING TECHNOLOGY <i>M. Moroldo, S. Scalabrin, G. Prete, N. Felice, R. Marconi, G. Faes, R. Velasco, M. Morgante</i>
7.	EST DATABASE AND GENE EXPRESSION STUDIES OF ABIOTICALLY STRESSED GRAPEVINE <i>VITIS VINIFERA</i> L. <i>Marlene C. Bohlman, Ali Ergul, Elizabeth A.R. Tattersall, Richard L. Tillett, Rubi Figueroa-Paredes, Elif Kabuloglu, Mary Ann Cushman, Kitty L. Spreeman, Karen Schlauch, Pedro Mendes, Grant R. Cramer, and John C. Cushman</i>
8.	GENE EXPRESSION PROFILES IN RESPONSE TO NITROGEN AND CARBON NUTRITION IN <i>VITIS VINIFERA</i> L. <i>Hugues Barbier, Jean-Pierre Gaudillere and Christophe Rothan</i>
9.	CONTROL OF EXPRESSION OF A RIPENING-RELATED GENE IN BERRIES AND SUSPENSION CELLS OF CABERNET SAUVIGNON <i>Catherine Tesniere, Clotilde Verries, Martine Pradal, Asraf El-Kereamy, Laurent Torregrosa, Philippe Chatelet, Christian Chervin</i>
10.	GENE EXPRESSION PROFILING DURING GRAPE LEAF DEVELOPMENT AND SENESCENCE BY HIGH DENSITY FILTERS <i>Claudio Moser, Massimo Pindo, Enrico Blanzieri, Massimo Bertamini, Cinzia Segala, Namachevayam Neduchenziam, Paolo Fontana and Riccardo Velasco</i>

Session 3 (General Physiology)

11.	<p>GENETIC SEGREGATION FOR INDICATORS OF PHOTOPERIOD CONTROL OF DORMANCY INDUCTION IN <i>VITIS</i> SPECIES</p> <p><i>A. Fennell , K. Mathiason, J. Luby</i></p>
12.	<p>THE INFLUENCE OF CHILLING ACCUMULATION ON BUD DORMANCY OF CUTTINGS OF SANGIOVESE AND MONTEPULCIANO GRAPEVINES (<i>VITIS VINIFERA</i> L.)</p> <p><i>Paolo Sabbatini, Davide Neri, Franco Zucconi, Oriana Silvestroni and Elisa Manni</i></p>
13.	<p>INFLUENCE OF GIBBERELIC ACID ON BUD FERTILITY AND SHOOT GROWTH OF ‘RUBI’ VINEGRAPES</p> <p><i>R. V. Botelho, E. J. P. Pires and M. M. Terra</i></p>
14.	<p>FACTORS INFLUENCING PRIMARY BUD NECROSIS (PBN) IN AUSTRALIAN VINEYARDS</p> <p><i>C. Collins and B. Rawnsley</i></p>
15.	<p>POSSIBLE INVOLVEMENT OF OXIDATIVE STRESS IN BREAKING GRAPE BUD DORMANCY INDUCED BY DIFFERENT STRESS AGENTS</p> <p><i>Etti Or, Pang Chechoon, Halali Tamar, Battikoff Tamar, Aliza Ogedovitch, Omer Krain, David Galbraith and Jaganatha Venkateswari</i></p>
16.	<p>STUDY OF ONTOGENY AND DEVELOPMENT OF INFLORESCENCE IN PRIMARY BUDS OF SULTANIN GRAPE (<i>VITIS VINIFERA</i> L.) BY MEANS OF EPI-ILLUMINATION LIGHT MICROSCOPY</p> <p><i>M.B. Hassanpouraghdam, A. Nazemieh, M.R. Dadpour and M. Valizadeh</i></p>
17.	<p>AROMATIC POTENTIAL OF GRAPEVINES CULTIVATED IN THE NORTH AND THE SOUTH OF TUNISIA</p> <p><i>H. Zemni, I. Soud, A. Mliki, R. Hellali and A. Ghorbel</i></p>
18.	<p>EFFECTS OF HIGH TEMPERATURE ON SANITARY AND MORPHOLOGICAL STATUS OF TUNISIAN GRAPEVINES</p> <p><i>A. Ben Salem-Fnayou, M. Hanana, N. Dubuis, A. Mliki, P. Gugerli and A. Ghorbel</i></p>

Session 4 (General Physiology)

19.	<p>LEAF AND FRUIT RESPONSES OF WHITE RIESLING GRAPEVINES TO UV-RADIATION IN THE FIELD</p> <p><i>Magali Lafontaine, Hans R. Schultz, Borbala Bálo and Gyula Varadi</i></p>
20.	<p>DIFFERENTIALLY DISPLAYED PROTEINS IN GRAPEVINE (<i>VITIS VINIFERA</i> L.) TISSUES SUBJECTED TO HERBICIDE STRESS</p> <p><i>A. Castro, N. Zorn, C. Carapito, A. VanDorsselaer and C. Clément</i></p>
21.	<p>A NEW APPROACH TO EXPAND THE LIFE TIME OF <i>UNCINULA NECATOR</i> GROWING IN VITRO</p> <p><i>Sara Monteiro, Regina Freitas, Ricardo Ferreira, and Artur Teixeira</i></p>
22.	<p>SOMATIC EMBRYOGENESIS IN TABLE GRAPEVINE CULTIVARS SUPERIOR AND NAPOLEÓN</p> <p><i>A.J. López-Pérez, J. Carreño and M. Dabauza</i></p>
23.	<p>GROWTH AND GAS EXCHANGE OF MICROPROPAGATED GRAPEVINE PLANTS IN RELATION TO THE SUCROSE CONCENTRATION IN THE NUTRIENT MEDIUM</p> <p><i>T. Slavtcheva1 and V. Dimitrova</i></p>
24.	<p>MANIPULATION OF PHOTOSYNTHESIS IN GRAPE (<i>VITIS VINIFERA</i> CV. ‘FLAME’) BY THE APPLICATION OF TWO SUCROSE ANALOGS</p> <p><i>M.E. Tiznado-Hernández, A.J. Ojeda-Contreras and A. Gardea-Vejar</i></p>
25.	<p>RESPONSE OF FLAME SEEDLESS GRAPEVINES TO SOME NITRIFICATION INHIBITORS</p> <p><i>Samy EL-Shazly</i></p>
26.	<p>ECOPHYSIOLOGICAL RESPONSE TO FLOOD OF SEVEN GRAPEVINE CULTIVARS</p> <p><i>F. de Herralde, R. Savé and C. Biel</i></p>

Tuesday (June 22)

Session 5 (Source/Sink Relationships)

27.	SOURCE-SINK BALANCE IN GRAPEVINE AS AFFECTED BY TRAINING SYSTEM <i>Giovan Battista Mattii and Simone Orlandini</i>
28.	INFLUENCE OF CROP LOAD ON CHAMBOURCIN YIELD, FRUIT QUALITY, AND WINTER HARDINESS UNDER MIDWESTERN UNITED STATES ENVIRONMENTAL CONDITIONS <i>I. Dami, D.C. Ferree, K.S. Kurtural and B.H. Taylor</i>
29.	VEGETATIVE AND REPRODUCTIVE GROWTH POTENTIAL OF VITIS VINIFERA L. CV. MONTEPULCIANO GRAPEVINES TRAINED TO THE 'TENDONE' SYSTEM. <i>V. Nuzzo, P. Giorio, A.M. Palese, L. Lazzari</i>
30.	EFFECTS OF EARLY LEAF REMOVAL ON CLUSTER MORPHOLOGY, SHOOT EFFICIENCY AND GRAPE QUALITY IN VITIS VINIFERA L. CULTIVARS <i>S. Poni, F. Bernizzoni, and A. Cenni</i>
31.	THE EFFECTS OF PRE-HARVEST WATER DEFICIT AND CROP LEVEL ON WINE QUALITY OF MERLOT <i>A. Naor, B. Bravdo and Y. Gal, T. Zahavi</i>
32.	ESTIMATION OF PRIMARY AND SECONDARY LEAF AREA OF A 'TEMPRANILLO' GRAPEVINE SHOOT <i>C.M. Lopes and P.A. Pinto</i>
33.	NUTRIENT STATUS OF RECENTLY GRAFTED PERLETTE GRAPEVINES: EFFECT OF ROOTSTOCK <i>Mandeep Singh and J.K. Sharma</i>

Session 6 (Berry Growth and Metabolism)

34.	HORMONAL STATUS IN GRAPE BERRIES DURING RIPENING: IMPORTANCE OF CALCIUM AND POLYAMINE AND ABSCISIC ACID BIOSYNTHESIS <i>L. Geny, C. Deytieux, A. Darrieumerlou and B. Doneche</i>
35.	ETHYLENE IS REQUIRED FOR THE RIPENING OF GRAPE <i>Christian Chervin, Ashraf El-Kereamy, Jean-Paul Roustan, Julien Lamon, Alain Latche, Mondher Bouzayen</i>
36.	TOWARDS AN UNDERSTANDING OF TARTARIC ACID BIOSYNTHESIS IN GRAPEVINE BERRIES <i>Seth DeBolt and Christopher M Ford</i>
37.	EVIDENCE FOR CAROTENOID-CLEAVAGE ENZYMES IN GRAPES <i>P. Fleischmann, P. Winterhalter, and S.E. Ebeler</i>
38.	THE REGULATION OF C₁₃-NORISOPRENOIDS IN FRUIT AND WINE <i>K. Bindon, P.R. Dry, R. Ristic, P.G. Iland and B.R. Loveys</i>

Session 7 (Grapevine Water Relations/Physiology)

39.	<p>XYLEM WATER TRANSPORT INTO BERRIES OF GRAPE VINE (<i>VITIS VINIFERA</i> L.) DURING FRUIT DEVELOPMENT</p> <p><i>S.D. Tyerman, J. Tilbrook, C. Pardo, L. Kotula and E. Steudle</i></p>
40.	<p>DIRECT MEASUREMENT OF BERRY TURGOR PRESSURE IN <i>VITIS VINIFERA</i>: RELATIONSHIP TO VINE WATER STATUS AND DEFORMABILITY, AND EVOLUTION THROUGHOUT DEVELOPMENT</p> <p><i>Tyler R. Thomas, Ken Shackel, and Mark A. Mathews</i></p>
41.	<p>IMPACT OF WATER STRESS ON CARBON PARTITIONING WITHIN SHIRAZ GRAPE BERRIES</p> <p><i>M. J. Collins, E.W.R. (Snow) Barlow, G. Kelley, S. Fuentes, and R. Wood</i></p>
42.	<p>CHARACTERIZATION OF BERRY METABOLIC PROFILES IN GRAPEVINES BY NMR ¹H</p> <p><i>G.E. Pereira, G. Hilbert, J.-P Gaudillere, M. Maucourt, A. Moing and D. Rolin</i></p>
43.	<p>CHANGES IN LEAF WATER STATUS IN GRAPEVINE GRAFTINGS TREATED WITH GROWTH REGULATORS</p> <p><i>Slavica Todic</i></p>
44.	<p>INVOLVEMENT OF PHOTOSYNTHESIS IN THE ACHIEVEMENT OF REPRODUCTION IN GRAPEVINE</p> <p><i>Gaël Lebon, Christian Magné, Olivier Brun and Christophe Clément</i></p>
45.	<p>AN <i>IN VIVO</i> EXPERIMENTAL SYSTEM TO STUDY SUGAR PHLOEM UNLOADING IN RIPENING GRAPE BERRIES. INFLUENCE OF WATER DEFICIT.</p> <p><i>Zhen-Ping Wang, Alain Deloire and Alain Carbonneau</i></p>
46.	<p>CARBON ISOTOPE COMPOSITION (d¹³C) AND WATER USE EFFICIENCY IN GRAPEVINES GROWING UNDER DEFICIT IRRIGATION</p> <p><i>C.R. Souza, T. Santos, J.P. Maroco, E. Brea, M.L. Rodrigues, C. Lopes, J.S. Pereira, M.M. Chaves</i></p>

Session 8 (Water Relations/General Physiology)

47.	<p>REFLECTIVE MULCH TO ENHANCE BERRY QUALITY IN ONTARIO WINE GRAPES</p> <p><i>Jane Coventry, Helen Fisher, Andrew Reynolds and Judith Strommer</i></p>
48.	<p>WATER STRESS INCREASES POLYPHENOLIC QUALITY IN MERLOT GRAPES</p> <p><i>Enrico Peterlunger, Paolo Sivilotti, and Vittorio Colussi</i></p>
49.	<p>USING WHOLE-VINE PHOTOSYNTHESIS TO UNDERSTAND THE EFFECTS OF WATER STRESS ON PREMIUM WINE GRAPES</p> <p><i>Jorge Perez Peña and Julie Tarara</i></p>
50.	<p>PIERCE'S DISEASE SYMPTOMS: COMPARISON WITH SYMPTOMS OF WATER DEFICIT AND THE IMPACT OF WATER STRESS</p> <p><i>E.T. Thorne, M.A. Matthews, J.F. Stevenson, T.L. Rost, J.M. Labavitch</i></p>
51.	<p>GRAPEVINE DEFICIT IRRIGATION BY PARTIAL ROOTZONE- DRYING MODIFIES CANOPY MICROCLIMATE AND IMPROVES FRUIT QUALITY WITHOUT AFFECTING YIELD</p> <p><i>Tiago P. dos Santos, Carlos M. Lopes, M. Lucília Rodrigues, Claudia R. de Souza, Jorge R. Silva, João P. Maroco, João S. Pereira and M. Manuela Chaves</i></p>
52.	<p>USE OF INFRARED THERMOGRAPHY TO ASSESS SPATIAL AND TEMPORAL VARIABILITY OF STOMATAL CONDUCTANCE OF GRAPEVINES UNDER PARTIAL ROOTZONE DRYING. AN IRRIGATION SCHEDULING APPLICATION</p> <p><i>S. Fuentes, G. Kelley, M. Collins, G. Rogers and J. Conroy</i></p>
53.	<p>WATER RELATIONS OF FIELD GROWN DRIP IRRIGATED "TEMPRANILLO" GRAPEVINES IN REQUENA, SPAIN</p> <p><i>D.S. Intrigliolo, D. Pérez and J.R. Castel</i></p>

Tuesday (June 22)

Grape Transformation Concurrent Session 1

54.	ISOLATION AND EVALUATION OF ANTIFUNGAL GENES FOR USE IN GRAPEVINE BIOTECHNOLOGY <i>M.A. Vivier, A. De Ascensao, M. Carstens, E. Basson, A. De Beer, J. Becker, and I.S. Pretorius</i>
55.	DEFENSE-RELATED CANDIDATE GENES IN VITIS SPECIES <i>Wenping Qiu, Hesheng Hou and Laszlo Kovacs</i>
56.	ISOLATION AND CHARACTERIZATION OF CANDIDATE GENES IN THE ISOPRENOID- AND CAROTENOID BIOSYNTHETIC PATHWAYS OF VITIS VINIFERA <i>Philip R. Young, Kerry L. Taylor, Melané A. Vivier and Isak S. Pretorius</i>
57.	IDENTIFICATION OF STRESS-INDUCIBLE PROMOTERS IN VITIS VINIFERA <i>Richard L. Tillett, Grant R. Cramer, John C. Cushman</i>
58.	ISOLATION, CHARACTERISATION AND FUNCTIONAL ANALYSIS OF A POST-VÉRAISON RIPENING-RELATED PROMOTER ELEMENT FROM VITIS VINIFERA CV. MERLOT <i>Anita L. Burger, Leonara Watts and Frederik C. Botha</i>
59.	AGROBACTERIUM TRANSFORMATION OF VITIS CELL SUSPENSIONS: IMPROVEMENT OF TRANSFORMATION EFFICIENCY AND TRANSGENIC PLANT REGENERATION USING CRYOPRESERVED CELLS <i>Qiaochun Wang, Ping Li, Nachman Sahar, and Avihai Perl</i>

Grape Transformation Concurrent Session 2

60.	<p>APPLICATION OF THE BIOLISTIC METHOD FOR GRAPEVINE GENETIC TRANSFORMATION</p> <p><i>Julie R. Kikkert, José R. Vidal, And Bruce I. Reisch</i></p>
61.	<p>GENETIC TRANSFORMATION OF TABLE GRAPE VIA ORGANOGENESIS AND FIELD EVALUATION OF <i>DEFH9IAAM</i> TRANSGENIC PLANTS</p> <p><i>Bruno Mezzetti, Oriana Silvestroni, Elisa Costantini, Tiziana Pandolfini, and Angelo Spena</i></p>
62.	<p>INDUCTION OF SILENCING IN TRANSGENIC GRAPEVINE (<i>VITIS SP</i>) PLANTS</p> <p><i>G.M. Reustle, R. Jardak-Jamoussi, R. Ebel, C. Burkhart, M. Becker, R. Wolf, T. Manthey, A. Bassler, T. Wetzal, A. Ghorbel and G. Krczal</i></p>
63.	<p>GENETIC TRANSFORMATION OF GRAPEVINES WITH <i>TRICHODERMA HARZIANUM</i> AND PEPTIDE GENES FOR THE IMPROVEMENT OF THEIR FUNGAL TOLERANCE</p> <p><i>P. Hinrichsen, M.A. Reyes, A. Castro, et al.</i></p>
64.	<p>TRANSGENIC GRAPEVINE PLANTS EXPRESSING GREEN FLUORESCENT PROTEINS TARGETED TO THE APOPLAST AND THE VACULAR SODIUM ANTIporter ATNHX1</p> <p><i>Cecilia Aguero, Abhaya Dandekar, Eduardo Blumwald, and Carole Meredith</i></p>

Grape Transformation Concurrent Session 3

65.	GENETICALLY CUSTOMIZED SEEDLESS GRAPES FOR FRESH MARKET INDUSTRY <i>Violeta Colova-Tsolova, Jiang Lu, And Avihai Perl</i>
66.	ENGINEERING DURABLE VIRUS RESISTANCE IN GRAPEVINE: GENERATION AND EXPRESSION OF SPECIFIC RECOMBINANT ANTIBODIES (SCFV) <i>Pascal Cobanov, Greta Nölke, Martin Orecchia, Pasquale Saldarelli, Mariangela Dell'Orco, Angelantonio Minafra, Giovanni Martelli, Rainer Fischer, Stefan Schillberg, Götz M. Reustle</i>
67.	MOLECULAR CHARACTERIZATION OF TRANSGENIC GRAPEVINE PLANTS <i>I. Gribaudo, G. Gambino, and M. Laimer</i>
68.	DISEASE RESISTANCE ANALYSES OF TRANSGENIC GRAPEVINES THAT CONTAIN ENDOCHITINASE OR ANTIMICROBIAL PEPTIDE GENES <i>J.R. Kikkert, J.R. Vidal, P.G. Wallace, S. Garcia-Zitter, W.F. Wilcox, D.M. Gadoury, R.C. Seem, T.J. Burr and B.I. Reisch</i>
69.	EVALUATION OF EXOGENOUS DNA BY QUANTITATIVE REAL-TIME PCR IN TRANSGENIC GRAPE <i>Lorenza Dalla Costa, Federica Savazzini and Lucia Martinelli</i>

Grape Transformation Concurrent Session 4

Practical Session: Transformation Facility (hosted by C. Aguero and A. Dandekar)

Wednesday (June 23)

Session 9 (Genetics/Biotechnology)

70.	CLONAL POLYMORPHISM IN THE RED WINE CULTIVARS CARMENERE AND CABERNET SAUVIGNON <i>P. Hinrichsen, X. Moncada, et al.</i>
71.	SEGREGATION OF TENDRIL DISTRIBUTION PATTERNING IN GRAPEVINE POPULATIONS <i>Peter Cousins, Jason Coburn, and Jennifer Vidmar</i>
72.	STEPS TOWARD UNDERSTANDING THE MOLECULAR BASIS OF SEEDLESSNESS IN STENOSPERMOCARPIC GRAPES <i>Uri Hanania, Margarita Velcheva, Nachman Sahar, and Avihai Perl</i>
73.	IDENTIFYING PUTATIVE TARGETS OF ABIOTIC STRESS-RELATED TRANSCRIPTION FACTORS IN <i>V. VINIFERA</i> (GRAPE) <i>D.W. Walton and G.R. Cramer</i>
74.	INTEGRATING MOLECULAR AND PHYSICAL MAPS IN GRAPEVINE (<i>VITIS VINIFERA</i> CV. PINOT NOIR): POWERFUL AIDS FOR GENE ISOLATION AND BREEDING <i>R. Velasco, M.S. Grando, M. Troggio, M. Pindo, G. Malacarne, C. Segala, G. Coppola, J. Zambanini, T. Jesse, B. Chaloub, A.F. Adam-Blondon, G. Faes, G. Prete, S. Scalabrin, N. Felice, R. Marconi, M. Moroldo, and M. Morgante</i>
75.	GRAPEVINE POWDERY MILDEW: MODULATION OF HOST GENE EXPRESSION BY A BIOTROPHIC PATHOGEN <i>Matthew A. Hayes and Ian B. Dry</i>
76.	PORTUGAL AS A CENTRE OF AUTOCHTHONOUS <i>VITIS VINIFERA</i> GENES <i>H. Joerg Boehm</i>

Session 10 (General Physiology)

77.	ROOT SURVIVORSHIP UNDER DEFICIT AND DRYLAND FARMING CONDITIONS FOR 1103P AND 101-14 MGT ROOTSTOCKS IN THE OAKVILLE REGION OF NAPA VALLEY <i>D.R. Smart, T.L. Bauerle, S. Stockert and D.M. Eissenstat</i>
78.	NOCTURNAL AND SEASONAL DARK RESPIRATION OF GRAPEVINE LEAVES (CV. CHASSELAS). INFLUENCE OF TEMPERATURE AND LEAF AGE <i>V. Zufferey and F. Murisier</i>
79.	DOWN-REGULATION OF PHOTOSYNTHETIC ACTIVITY IN OPEN FIELD VINEYARDS RELATED TO DRY CONDITIONS AND GRAPEVINE GENOTYPE <i>O. Silvestroni, S. Mattioli, A. Palliotti, A. Cartechini, and D. Neri</i>
80.	EFFECT OF DROUGHT ON PARTITIONING OF ¹⁴C-LABELLED PHOTOSYNTHATE IN <i>VITIS VINIFERA</i> L. <i>Josefina Bota, Jaume Flexas, Hipólito Medrano and Oleg Stasyk</i>
81.	FROST HARDINESS OF IRRIGATED AND FERTIGATED CHARDONNAY VINES <i>B. Balo, S. Misik, E. Miklos, I. Kiraly and G. Varadi</i>

Thursday (June 24)

Session 11 (General Physiology)

82.	ENDOPHYTIC COLONIZATION OF <i>VITIS VINIFERA</i> L. BY A PGPR, <i>PSEUDOMONAS</i> SP. STRAIN PSJN THAT PROTECTS GRAPEVINE AGAINST <i>BOTRYTIS CINEREA</i> <i>S. Compant, E. Ait Barka, B. Reiter, A. Sessitsch, J. Nowak and C. Clément</i>
83.	IN VITRO GRAPEVINE AS A MODEL FOR MONITORING THE EFFECT OF EXCESSIVE LIGHT BY REAL-TIME PCR <i>L.C. Carvalho, P. Vidigal, B.J. Vilela, S. Amâncio and P. Mullineaux</i>
84.	INVESTIGATING THE POTENTIAL OF THERMAL IMAGING IN MONITORING STRESS IN GRAPEVINES <i>Olga M. Grant and M. Manuela Chaves</i>
85.	EFFECT OF IRRIGATION ON VEGETO-PRODUCTIVE BEHAVIOUR OF SAUVIGNON BLANC GRAPEVINE IN ITALY <i>P. Storchi, F. Giorgessi, A. Tarricone and F. Bonollo</i>
86.	EFFECTS OF BUDBREAK TEMPERATURE ON SEASONAL SHOOT AND FRUIT GROWTH IN GRAPEVINES <i>Markus Keller, Lynn J. Mills, Julie M. Tarara and John Ferguson</i>
87.	A TALE OF TWO SEASONS – IMPACT OF VITICULTURAL PRACTICE ON RED GRAPE PHENOLICS <i>S-J. Bell, P. Sivilotti and P.B. Hoj</i>
88.	THE PHENOLIC COMPONENTS OF GRAPE BERRIES IN RELATION TO WINE COMPOSITION <i>D.O. Adams</i>

Session 12 (Genetics and Biotechnology)

89.	<p>COMPARISON AND OPTIMIZATION OF RNA EXTRACTION METHODS FOR GRAPE LEAVES</p> <p><i>Elizabeth A.R. Tattersall, Ali Ergul, Fadi AlKayal, Grant R. Cramer</i></p>
90.	<p>CLONING AND CHARACTERIZATION OF A GRAPEVINE WRKY TRANSCRIPTION FACTOR PUTATIVELY INVOLVED IN PLANT DEFENSE RESPONSE</p> <p><i>R. Mzid, C. Marchive, L. Deluc, V. Lauvergeat, F. Barrieu, S. Hamdi, and N. Dira</i></p>
91.	<p>ISOGENE SPECIFIC OLIGO ARRAYS REVEAL MULTIFACETED CHANGES IN GENE EXPRESSION DURING GRAPE BERRY (<i>VITIS VINIFERA</i> L.) DEVELOPMENT</p> <p><i>N. Terrier, D. Glissant, J. Grimplet, F. Barrieu, P. Abbal, C. Couture, A. Ageorges, R. Atanassova, C. Léon, J.P. Renaudin, F. Dedaldechamp, S. Delrot, S. Hamdi and C. Romieu</i></p>
92.	<p>COMBINING LINKAGE ANALYSIS AND LINKAGE DISEQUILIBRIUM MAPPING TO DISSECT THE GENETICS OF FRUIT COLOR IN GRAPEVINE</p> <p><i>Christopher L. Owens</i></p>
93.	<p>GRAPEVINE ESTS AND THEIR USE IN MICROARRAY ANALYSIS TO STUDY GENES CONTROLLING GRAPEVINE BERRY RIPENING AND DEVELOPMENT</p> <p><i>M.R. Thomas, C.T. Hua, P. Iocco, C. Davies</i></p>

Session 13 (Grapevine Irrigation)

94.	<p>EFFECTS OF SOIL WATER AVAILABILITY ON THE PHYSIOLOGY OF <i>VITIS VINIFERA</i> L. (cv. PROSECCO) AND THE QUANTITATIVE, QUALITATIVE, SOCIAL AND ECONOMIC ASPECTS OF ITS PRODUCTION</p> <p><i>Giovanni Cargnello</i></p>
95.	<p>THE EFFECTS OF IRRIGATION AMOUNTS AND VINE SPACING ON PHYSIOLOGY, GROWTH AND PRODUCTIVITY OF TEMPRANILLO GRAPEVINES.</p> <p><i>J. Yuste, J.L. Asenjo, M^aV. Albuquerque, and J.A. Rubio</i></p>
96.	<p>IMPROVING WATER USE EFFICIENCY THROUGH DEFICIT IRRIGATION OF SUB-SURFACE DRIP IRRIGATED GRAPEVINES</p> <p><i>M. Edraki, M. Krstic and Y. Chalmers</i></p>
97.	<p>INTEGRATED STRATEGIES TO MANAGE SEASONAL VARIATION IN WINE GRAPE MATURATION: DEFICIT IRRIGATION AND HEAT STRESS</p> <p><i>N.M. Cooley, P.R. Clingeleffer and R.R. Walker</i></p>
98.	<p>LIGHT RESPONSE OF LEAF PHOTOSYNTHESIS IN TEMPRANILLO GRAPEVINES (<i>VITIS VINIFERA</i> L.) IN TWO IRRIGATION TREATMENTS</p> <p><i>P. Sánchez-de-Miguel, A. Centeno and J.R. Lissarrague</i></p>
99.	<p>AGRONOMIC AND ECOPHYSIOLOGICAL RESPONSE OF FIELD-GROWN CABERNET-SAUVIGNON GRAPEVINES UNDER THREE WATER MANAGEMENT REGIMES</p> <p><i>P. Baeza, P. Junquera, J.R. Conde and J.R. Lissarrague</i></p>
100.	<p>COUPLING OF PLANT TO SOIL WATER STATUS IN DIFFERENT VINEYARD SITES</p> <p><i>Bernd R. Gruber and Hans R. Schultz</i></p>
101.	<p>MODELLING WHOLE CANOPY LIGHT INTERCEPTION AND CARBON GAIN OF <i>VITIS VINIFERA</i> L. UNDER CONDITIONS OF WATER AND NITROGEN STRESS</p> <p><i>A.B. Iandolino, R.W. Percy and L.E. Williams</i></p>
102.	<p>WATER RELATIONS OF FIELD GROWN GRAPEVINES IN RESPONSE TO HIGH FREQUENCY DRIP IRRIGATION</p> <p><i>L.E. Williams</i></p>

Friday (June 25)

Session 14 (Water relations/Berry composition)

103.	PHYSIOLOGICAL MECHANISMS INVOLVED IN THE PRODUCTION OF NON HYDRAULIC ROOT SIGNALS BY PARTIAL ROOT DRYING <i>Ben-Ami Bravdo</i>
104.	GRAPEVINE AND VINEYARD WATER RELATIONS AT VARIOUS LOCATIONS AROUND THE WORLD: EFFECTS OF SOIL WATER DEFICITS AND EXCESSES <i>A. Carbonneau, H. Ojeda, B Cavagnaro, M. Kaiser, M. Ferrer and G. Blumetto</i>
105.	ROLES OF YIELD AND BERRY SIZE IN WINEGRAPE COMPOSITION AND WINE ATTRIBUTES <i>M.A. Matthews</i>

Session 15 (Genetics/Biotechnology)

106.	<p>THE REGULATION OF POLYGALACTURONASE INHIBITING PROTEINS IN GRAPEVINE (<i>VITIS VINIFERA</i>)</p> <p><i>D.A. Joubert, M.A. Vivier, G. de Lorenzo and I.S. Pretorius</i></p>
107.	<p>OVEREXPRESSION OF THE <i>VITIS VINIFERA</i> L. β-CAROTENE HYDROXYLASE GENE IMPROVES THE PHOTOPROTECTIVE ABILITY OF TOBACCO</p> <p><i>Philip R. Young, Melané A. Vivier, Shang W. Chen and Isak S. Pretorius</i></p>
108.	<p>CHARACTERIZATION OF TWO TRANSCRIPTION FACTORS INVOLVED IN THE REGULATION OF PHENYLPROPANOID METABOLISM IN GRAPE BERRY</p> <p><i>L.G. Deluc, C. Marchive, F. Barrieu, A. Descendit, J.M. Mérillon, and S. Hamdi</i></p>
109.	<p>STRESS- AND TISSUE-SPECIFIC EXPRESSION OF CBF GENES IN GRAPE</p> <p><i>Huogen Xiao, Elizabeth A.R. Tattersal, Siobhan Braybrook, Grant R. Cramer and Annette Nassuth</i></p>
110.	<p>MOLECULAR ANALYSIS OF WATER STRESS EFFECTS ON AQUAPORIN GENES EXPRESSION IN DIFFERENT <i>VITIS VINIFERA</i> CULTIVARS</p> <p><i>R. J-B. Fouquet, F. Barrieu, N. Ollat, and S. Hamdi</i></p>
111.	<p>CHARACTERIZATION OF cDNAs ENCODING MEMBRANE TRANSPORTERS INVOLVED IN THE TOLERANCE OF GRAPEVINE TO DROUGHT AND SALINITY</p> <p><i>M. Hanana, S. Daldoul, A. Mliki, A. Ghorbel, R. Fouquet and S. Hamdi</i></p>
112.	<p>MOLECULAR ASPECTS OF SUGAR TRANSPORT, SUGAR SENSING AND DEFENCE IN GRAPE</p> <p><i>A. Agasse, B. Cakir, D. Glissant, A. Saumonneau, F. Dédaldéchamp, E. Gomès, P. Coutos-Thévenot, R. Atanassova and S. Delrot</i></p>
112.1	<p>MOLECULAR ECOLOGY, POPULATION GENETICS AND EVOLUTIONARY SYSTEMATICS OF WILD GRAPE SPECIES: RELEVANCE FOR GRAPEVINE PHYSIOLOGY AND BIOTECHNOLOGY</p> <p><i>Heidi R. Schwaninger and Charles Simon</i></p>

Session 16 (Climate Change and Viticulture)

113.	RELIABILITY OF CLIMATE CHANGE IMPACT ASSESSMENTS FOR VITICULTURE <i>Manfred Stock, Friedrich-W. Gerstengarbe and Peter C. Werner</i>
114.	CLIMATE CHANGE IN THE WESTERN UNITED STATES GRAPE GROWING REGIONS <i>G.V. Jones</i>
115.	CLIMATE WARMING: CONSEQUENCES FOR GENERAL VITICULTURE AND THE NOTION OF 'TERROIRS' IN EUROPE <i>Bernard Seguin and Inaki Garcia de Cortazar</i>
116.	MODELING THE EFFECT OF CLIMATE CHANGE ON GRAPEVINE WATER RELATIONS <i>Hans R. Schultz and Eric Lebon</i>

**Thursday (June 24)
(Poster Session)**

117.	<p>PHYSIOLOGICAL RESPONSES OF MINIMAL PRUNING SYSTEMS TO GIBBERELIC ACID</p> <p><i>Karsten Weyand and Hans R. Schultz</i></p>
118.	<p>HYDRAULIC ARCHITECTURE, CAVITATION SUSCEPTIBILITY AND GAS-EXCHANGE OF SEVERAL GRAPEVINE VARIETIES OF DIFFERENT GEOGRAPHIC ORIGIN</p> <p><i>Antigone Chouzouri and Hans R. Schultz</i></p>
119.	<p>CHANGES IN THE EVOLUTION OF MUST COMPOSITION DURING RIPENING OF TEMPRANILLO GRAPES (<i>VITIS VINIFERA</i> L.) IN TWO IRRIGATION TREATMENTS</p> <p><i>A. Centeno, P. Sánchez-de-Miguel, R. Linares, and J.R. Lissarrague</i></p>
120.	<p>SEASONAL EVOLUTION OF THE SOIL-WATER PROFILE AND LEAF PRE-DAWN WATER POTENTIAL IN FIELD-GROWN GRAPEVINES SUBJECTED TO DIFFERENT WATER REGIMES</p> <p><i>E. Cuevas, P. Baeza and J.R. Lissarrague</i></p>
121.	<p>SOIL CHARACTERISTICS AND WATER CONTENT OF VINEYARDS UNDER NON-IRRIGATED CONDITIONS: VITICULTURAL AND OENOLOGICAL RESULTS FOR SANGIOVESE GRAPEVINES</p> <p><i>P. Storchi, E.A.C. Costantini and P. Bucelli</i></p>
122.	<p>WATER CONSUMPTION OF GRAPEVINES (cv. SUPERIOR) GROWN IN A SEMI ARID REGION</p> <p><i>Y. Netzer, Y. Chongren, M. Shenker, B. Bravdo, and A. Schwartz</i></p>
123.	<p>EFFECTS OF PRUNING SYSTEM ON PHYSIOLOGY, LEAF AREA AND SOURCE-SINK RATIO OF <i>VITIS VINIFERA</i> L. CV. VERDEJO</p> <p><i>S. Lopez-Miranda, J. Yuste and J.R. Lissarrague</i></p>
124.	<p>DESCRIPTION OF THE VARIABILITY BETWEEN <i>VITIS RIPARIA</i> VARIETIES IN TERM OF DEVELOPMENTAL AND GROWTH CHARACTERISTICS</p> <p><i>N. Ollat, J-P. Tandonnet, M. Neveux, L. Bordenave, and S. Decroocq</i></p>

125.	<p>WHOLE-CANOPY VERSUS SINGLE-LEAF GAS EXCHANGE RESPONSES TO PARTIAL ROOTZONE DRYING IN POTTED CABERNET SAUVIGNON GRAPEVINES</p> <p><i>S. Poni and F. Bernizzoni</i></p>
126.	<p>EFFECTS OF DEFOLIATION ON TEMPERATURE AND WETNESS OF GRAPEVINE BERRIES</p> <p><i>P. Pieri and M. Fermaud</i></p>
127.	<p>RESPIRATION ACTIVITY IN DIFFERENT ABOVE-GROUND ORGANS OF <i>VITIS VINIFERA</i> L. ACCORDING TO TEMPERATURE AND DEVELOPMENTAL STAGE</p> <p><i>A. Palliotti, A. Cartechini, O. Silvestroni and S. Mattioli</i></p>
128.	<p>A POLYGALACTURONASE INHIBITING PROTEIN FROM <i>VITIS VINIFERA</i> AFFECTS POLYGALACTURONASE ACTIVITY FROM <i>BOTRYTIS CINEREA</i> IN VIVO, IRRESPECTIVE OF SPECIFICITY</p> <p><i>D.A. Joubert and M.A. Vivier</i></p>
129.	<p>THE EFFECT OF PARTIAL ROOTZONE DRYING ON GRAPE AND WINE ANTHOCYANIN COMPOSITION</p> <p><i>K. Bindon, P.R. Dry and B.R. Loveys</i></p>
130.	<p>DEHYDRATION DIFFERENTIALLY AFFECTS THE ACCUMULATION OF SPLICED AND UNSPLICED TRANSCRIPTS OF <i>DEHYDRIN 1</i> GENES IN <i>V. RIPARIA</i> AND <i>V. VINIFERA</i> TISSUES</p> <p><i>Huogen Xiao and Annette Nassuth</i></p>
131.	<p>FLORAL MERISTEM IDENTITY GENES IN GRAPEVINE</p> <p><i>M. Calonje, P. Cubas, J.M. Martínez-Zapater and M.J. Carmona</i></p>
132.	<p>DEVELOPMENT OF DUAL PD-DIAGNOSIS SYSTEM BASED ON HOST GENE EXPRESSION USING MULTIPLEX REAL TIME RT-PCR</p> <p><i>Hongkyu Choi, Francisco Goes da Silva, Hyunju Lim, Alberto Iandolino, Jongmin Baek, Anna Leslie, Jane Xu and Douglas R Cook</i></p>

133.	<p>IRRIGATION SCHEDULING OF GRAPEVINES USING MIDDAY STEM WATER POTENTIAL, WEATHER DATA AND SOIL MOISTURE MONITORING</p> <p><i>S. Fuentes, R. Mora and S. Ortega–Farias</i></p>
134.	<p>INCLUSION OF PHYSIOLOGICAL PARAMETERS IN GRAPEVINE IRRIGATION SCHEDULING UNDER PARTIAL ROOT-ZONE DRYING</p> <p><i>S. Fuentes, G. Kelley, R. Mora, G. Rogers, and J. Conroy</i></p>
135.	<p>CHEMICAL COMPOSITION, C/N RATIO AND CONSTRUCTION COSTS OF GRAPEVINE TISSUES DURING ONTOGENY</p> <p><i>Ph. Vivin, M. Castelan-Estrada, A. Gourieroux and J.P. Gaudillère</i></p>
136.	<p>CHARACTERIZATION OF AN OUTWARD RECTIFYING POTASSIUM CHANNEL FROM <i>VITIS VINIFERA</i> L.</p> <p><i>R. Pratelli, E. Hosy, B. Lacombe, C. Romieu, A. Ageorges, J.B. Thibaud, L. Torregrosa and H. Sentenac</i></p>
137.	<p>CROP LOAD EFFECT ON SANGIOVESE GRAPEVINE</p> <p><i>Giovan Battista Mattii and Francesco Ferrini</i></p>
138.	<p>PROTEOMIC ANALYSIS OF GRAPEVINE RESPONSES TO WATER DEFICIT AND SALT STRESS</p> <p><i>D. Vincent, A. Ergul, M.C. Bolhman, E. Tattersall, R. Tillett, M. Sali, R. Woosley, D. Quilici, D. Schooley, J. Cushman and G.R. Cramer</i></p>
139.	<p>CARBOHYDRATE CONTENT IN INFLORESCENCES OF GRAPEVINE (<i>VITIS VINIFERA</i> L.) AND SEXUAL STRUCTURE DEVELOPMENT IN RELATION WITH FLOWER AND FRUIT DROP</p> <p><i>Gaël Lebon, Christian Magné, Olivier Brun and Christophe Clément</i></p>