PROGRAMME

Sunday 30 August – Reception hall of the SNCF Railway station of Dijon Ville
welcome and registration

Monday 31 August – Grand Dijon

8.00 – registration continued – mounting of posters

8.45 – Opening session

9.30 – Coffee break

10.00 - Oral Session I – Introductory Key notes

Chair: Edna Tanne - Elisabeth Boudon-Padieu

10.00 Martelli G. P.
Grapevine Virology Highlights 2006-09

10.30 Gugerli P.
25 years of serological identification of grapevine leafroll-associated viruses: antiserum and monoclonal antibodies to GLRaV-1 to GLRaV-9

11.00 Dolja V. V.
New developments in understanding gene functions and evolution of the grapevine Closteroviruses

11.30 – Oral Session II – Detection, plant material and virus sources

Chair: Raymond Johnson – Sandrine Rousseaux

11.30 Invited lecture : Sabanadzovic S.
Viruses of native Vitis germplasm in the Southeastern united states

12.00 Comparison of High Throughput Low Density Arrays, Rt-PCR and Real-Time Taqman\textsuperscript{\textregistered} RT-PCR in the detection of grapevine viruses
Osman F., C. Leutenegger, D.A. Golino, A. Rowhani

12.15 Grapevine viruses in Chile: Multi-parallel detection based on metagenomic strategies

12.30 Grapevine virus collection at Nyon: A contribution to a putative network of a worldwide grapevine virus reference collection
Gugerli P., J-J. Brugger, M-E. Ramel, S. Besse.

12.45 - Lunch
13.45 - Oral Session III – Fanleaf and other spherical viruses

*Chair: Olivier Lemaire – Thierry Wetzel*

13.45 Invited lecture
Demangeat G.
Nepovirus transmission by Longidoridae nematodes with special emphasis on the pair *Grapevine fanleaf virus/Xiphinema index*

14.15 Identification of plasmodesmata located receptors involved in the movement of *Grapevine fanleaf virus* (GFLV) and other viruses employing tubule/guided movement

14.30 Symptom determinants on the *Arabis mosaic nepovirus* genome
Dupuis L., C. Himber, P. Dunoyer, A. Bassler, M. Keller, T. Wetzel

14.45 Recombination events in Rna-2 of *Grapevine fanleaf virus* and *Arabis mosaic virus* in grapevines affected by Yellow mosaic
Jawhar J., A. Minafra, P. La Notte, C. Pirolo, P. Saldarelli, D. Boscia, V. Savino, G. P. Martelli

15.00 The specificity of GFLV and ARMV transmission by their respective nematodes: from structure to function

15.15 Partial RNA-2 Sequence of *Grapevine Bulgarian latent virus*
Elbeaino T., F. Fallanaj, M. Digiaro, S. Kuzmanović

15.30 Characterization of *Raspberry bushy dwarf virus* isolates from grapevine
Mavrič Pleško I., M. Viršček-Marn, S. Širca, G. Urek

15.45 Isolation of movement protein gene by the use of degenerate primers from Iran isolates of *Grapevine fanleaf virus* and assessment of the genetic diversity
Sokhandan Bashir N., A. Delpasand Khabbazi

16.00 – Coffee break

Official photo

16.45 - Oral Session IV – Epidemiology – Survey of vineyards

*Chair: Giuseppe Belli – Adib Rowhani*

16.45 Development and validation of sampling strategies for the detection of endemic viruses of australian grapevines
Constable F., P. Nicholas, N. Nancarrow, B. Rodoni

17.00 Preliminary results on the quantification of different grapevine viruses in a typical northwestern italian cultivar
Pacifico D., P. Caciagli, F. Mannini, F. Veratti, C. Marzachi’

17.15 Current status of grapevine viruses in the pacific northwest vineyards of the United States

17.30 Survey of wild grapes, weed and cover crop species for grapevine viruses
Golino D.A., S.T. Sim, F. Osman, R. Aldamrat, V. Klaassen, A. Rowhani
17.45 Contrasting epidemiologies of grapevine viruses depending on appellation and variety.

18.00 - Poster session

ICVG Steering Committee Meeting

19.00 – Departure to the official reception – Dijon Town Hall

Evening free

Tuesday 1 September - Grand Dijon

8.00 – Oral session V – Phytoplasma diseases

Chair: Antoine Caudwell – A. Bertaccini

08.00 Invited lecture: Foissac X.
Ecology and taxonomy of Flavescence dorée phytoplasmas: the contribution of genetic diversity studies
Malembic-Maher S., P. Salar, P. Carle, X. Foissac

08.25 Molecular identification and geographic distribution of Flavescence dorée phytoplasma strains
Bertaccini A., S. Paltrinieri, F. Dal Molin, J. Mitrović, B. Duduk

08.40 Comparison of prevalence, geographical distribution and biological properties of two Flavescence dorée phytoplasma strains
Salar P., D. Clair, X. Foissac, E. Boudon-Padieu, S. Malembic-Maher

08.55 Genetic polymorphism of stolbur phytoplasma in grapevine, wild plants and insects
Filippin L., E. Tonon, V. Forte, M. Zottini, G. Santovito, M. Borgo, E. Angelini

09.10 Aspects of the interaction of Stolbur phytoplasma, vectors and host plants in the two epidemic systems of Bois noir
Maixner M., J. Johannesen, A. Seitz

09.25 On host races and co-evolution of the grapevine yellows vector Hyalesthes obsoletus and stolbur phytoplasma
Johannesen J., A. Seitz, N. El Sayar, M. Maixner

9.40 - Coffee break

10.15 - Oral Session V – Phytoplasma diseases (continued)

Chair: Michael Maixner – Djana Skoric

10.15 Molecular markers among stolbur phytoplasma (16SrXII-A) strains and their association with natural ecologies of grapevine Bois noir in Italy
Quaglino F., Y. Zhao, P.A. Bianco, W. Wei, G. Romanazzi, S. Muolo, M.R. Silletti, V. Savino, P. Casati, G. Durante, R.E. Davis

10.30 Long term effects of Stolbur phytoplasma on grapevines in Israel
Zahavi T., R. Sharon, M. Mawassi, V. Naor

10.45 ‘Bois noir’ phytoplasma induces significant reprogramming of genes involved in carbohydrate metabolism and photosynthesis in the field grown grapevine
Dermastia M., M. Hren, P. Nikolić, A. Rotter, N. Terrier, M. Ravnikar, K. Gruden
11.00 Detection and identification of a new phytoplasma disease in grapevines in the Western Cape
Engelbrecht M., J. Joubert, J.T. Burger

11.15 Biochemical pathways in phytoplasma–plant interactions in symptomatic and recovered leaves of Bois noir - affected grapevines
Landi L., G. Romanazzi

11.30 - Poster Session

12.45 – Lunch

14.00 - Oral Session VI – Molecular biology – New technologies

Chair: Johan Burger – Pascale Seddas

14.00 Invited lecture : Sela I.
A universal vector for expression and silencing in plants (including grapevine)
Peretz Y., R. Mozes-Koch, E. Tanne, I. Sela

14.30 Expression/silencing of GVA components in grapevine and N. benthamiana using the IL-60 system
Peretz Y., I. Sela, E. Tanne

14.45 Virome of a vineyard: Ultra deep sequence analysis of diseased grapevines
Coetzee B., M-J. Freeborough, H.J Maree, J-M. Celton, D.J.G. Rees, J.T. Burger

15.00 Deep sequencing analysis of viral short RNAs from Pinot noir clone ENTAV 115
Pantaleo V., P. Saldarelli, L. Miozzi, A. Giampetruzzi, A. Gisel, S. Moxon, T. Dalmay, J. Burgyan

15.15 High-Throughput sequencing analysis of RNAs from a grapevine showing Syrah decline symptoms reveals a multiple virus infection that includes a novel virus
Al Rwahnih M., S. Daubert, D.A. Golino, A. Rowhani

15.30 Characterisation of the genomic and subgenomic RNA of Grapevine leafroll-associated virus 3 (GLRaV-3)
Maree H.J., E. Jooste, D. Stephan, M-J. Freeborough, J.T. Burger

15.45 Grapevine fanleaf virus replication: illuminating the way
Schmitt-Keichinger C., M-C. Herranz-Gordo, F. Courte, R. Elamawi, S. Chapuis, P. Didier, Y. Mély, C. Ritzenthaler

16.00 – Coffee break

16.30 - Oral Session VII – Virus effects – Control – Crop performance

Chair: Deborah Golino – Marc Fuchs

16.30 Transgenic rootstocks expressing GFLV coat protein gene in a three years field trial; resistance assessment, impact on GFLV diversity and exchanges between rootstock and scion
Hemmer C., E. Vigne, V. Goldschmidt, V. Komar, A. Marmonier, L. Valat, G. Demangeat, S. Vigneron, J.E. Masson, O. Lemaire

16.45 A case study of control of grapevine leafroll disease spread on Vergelegen wine estate, South africa, 2002-2008
Pietersen G., N. Spreeth, T. Oosthuizen, A. Van Rensburg, D. Lottering, D. Tooth, N. Rossouw
17.00 Tentative analysis of the economic impact of grapevine leafroll disease in the vineyard of Valais (Switzerland)
Besse S., C. Rütsche, P. Gugerli

17.15 Field performances and wine quality modification in a clone of Dolcetto (Vitis vinifera L.) after GLRaV-3 elimination
Mannini F., A. Mollo, D. Cuozzo, R. Credi

17.30 A mild strain of Grapevine leafroll-associated virus 3 is present in desirable clones of Crimson seedless table grapes in western australia
Habili N., I. Cameron, J. Randles

17.45 - Poster Session

18.30 General Assembly of the ICVG

Evening free

Wednesday 2 September - Grand Dijon

9.00 – Oral session VIII – Viruses of the leafroll complex
Chair: Etienne Herrbach – Paul Gugerli

09.00 Invited lecture: Cabaleiro C.
Current advances in the epidemiology of Grapevine leafroll disease

09.30 First epidemiological study of ampeloviruses in Turkish vineyards
Buzkan N., S. Karadag, V. Oztekin, A. Kaya, A. Minafra, Y. Ben-Dov

09.45 Distribution and diversity of Leafroll-associated ampeloviruses in viruliferous vectors and grapevine hosts

10.00 Identification and distribution of three divergent molecular variants of Grapevine leafroll-associated virus - 3 (GLRaV-3) in South african vineyards

10.15 Taxonomy, complete nucleotide sequence and genome organization of grapevine leafroll-associated virus - 7

10.30 – Coffee break

11.00 - Poster Session

12.45 – Lunch

14.00 – Oral session VIII– Viruses of the leafroll complex (continued)
Chair: Filomena Fonseca – Ivana Gribaudo

14.00 Comparison of phylogenetic inference based on HSP70, HSP90 and CP genes of GLRaV-3: implications for detection and taxonomy
Teixeira Santos M., F. Esteves, M. De Lurdes Rocha, J.E. Eiras-Dias, F. Fonseca
14.15 The role of seasonality on mealybug transmission of *Grapevine leafroll-associated viruses*: an ecological hypothesis
Almeida R.P.P., C-W. Tsai, K.M. Daane

14.30 Spread of GVA, GLRaV-1 and -3 and role of the mealybug vector *Heliococcus bohemicus* in a vineyard of Langhe (Northwestern Italy)
Bertin S., F. Mannini, D. Bosco, G. Gambino, D. Cuozzo, I. Gribauddo

14.45 Transmission of *Grapevine leafroll-associated virus 3* (GLRaV-3) by three soft scale insect species (Hemiptera: Coccidae) and notes on their developmental biology on grapevine
Krüger K., N. Douglas

15.00 Monitoring of *Grapevine leafroll-associated virus 1* (GLRaV-1) dispersion by the mealybug *Phenacoccus aceris*
Le Maguet J., E. Herrbach, G. Hommay, M. Beuve, E. Boudon-Padieu, O. Lemaire

15.15 Transmission trials of grapevine viruses by the mealybug *Planococcus fuscus* (Hemiptera: Pseudococcidae)
Credi R., F. Terlizzi, L. Martini, S. Borsari

15.30 – Coffee break

16.00 - Oral session VIII– Viruses of the leafroll complex (end)

*Chair: Kerstin Krüger – Nuredin Habili*

16.00 Transmission of *Grapevine leaf roll-associated virus-1* and -3 (Ampelovirus) and *Grapevine virus A* (Vitivirus) by natural populations of soft scales and mealybugs in the North-Eastern French vineyard
Hommay G., J. Le Maguet, V. Komar, O. Lemaire, E. Herrbach

16.15 Rapid spread of leafroll disease in Cabernet Sauvignon grapevines in Napa Valley, California
Golino D.A., E. Weber, S.T. Sim, A. Rowhani

16.30 Sequence variation in *Grapevine leafroll-associated virus-3* (GLRaV-3) New Zealand isolates

16.45 – Last Poster Session

19.00. Removal of posters

19.30 departure to the Official dinner – Château de Saulon la Rue

Thursday 3 September

**Full day trip to vineyards of Côtes de Beaune and Mâconnais**

8.00 - Departure

12.30 - Lunch at the "Maison des Vins" in Mâcon

19.00 - Return to Dijon

Evening free
Friday 4 September – Conseil régional de Bourgogne

8.30 - Oral session IX- Rugose wood complex

Chair: Dirk Stephan – Alberto Materazzi

8.30  Invited lecture: Saldarelli P.
Flexiviruses: a grapevine point of view

9.00  Different variants of GRSPaV are associated to diverse diseases in grapevine
Borgo M., N. Bertazzon, F. Anaclerio, E. Angelini

9.15  Molecular characterization of biologically divergent strains of GRSPaV
Bouyahia H., M. Della Bartola, A. Materazzi, E. Triolo

9.30  Toward development of Grapevine rupestris stem pitting-associated virus into a VIGS vector
Meng B., C. Li, W. Wang

9.45  Characterisation of ORF5 of three South African Grapevine virus A variants as pathogenicity determinant in Nicotiana benthamiana
Blignaut M., D. Stephan, J. Du Preez, S. Haviv, M. Mawassi, J.T. Burger

10.00 – Coffee break

10.30 Chair: Piero Bianco – Keramatollah Izadpanah

10.30 - Oral session IX- Rugose wood complex (continued)

10.30  Towards the elucidation of Grapevine virus A ORF 2 gene function

10.45  Single domain antibodies for detection of GVB
Masri S., H. Rast, N. Habili

11.00 – Oral session X – Diseases of unclear etiology

11.00  Viral sanitary status and genetic diversity of Rupestris stem pitting associated virus in French Syrah clones exhibiting various susceptibility levels to decline

11.15 – Discussion on Posters 91-95

11.30 – General conclusions

Chair: Paul Gugerli – Elisabeth Boudon-Padieu

12.15 – Farewell drink offered by the Conseil régional de Bourgogne

12.45 – Lunch

Half day trip to Jura vineyards

14.00 – Bus Departure

19.00 – Return to Dijon
POSTERS (*)

Topic II – Detection – Plant material and Virus source

P 01  Grapevine virus Q: The first plant virus with a permuted active site of RNA-dependent RNA polymerase
Sabanadzovic S., N. Abou Ghanem-Sabanadzovic, A. E. Gorbalenya

P 02  Production of monoclonal antibodies to Grapevine leafroll-associated virus 9 (GLRaV-9)

P 03  Detection of viruses in seeds of infected grapevines with an emphasis on Grapevine rupestris stem pitting-associated virus
Habili N., R. Davies, J. Randles.

P 04  Real-time PCR for sensitive reliable grapevine virus detection
Malan S., M-J. Freeborough, J. Burger

P 05  Prevalence of seven grapevine viruses in table grapes from Vinalopó (Alicante) determined by ELISA and Real-Time RT-PCR

P 06  Virus-derived sequences in the nuclear genome of grapevine
Bertsch C., M. Beuve, V. V. Dolja, M. Wirth, F. Pelsy, E. Herrbach, O. Lemaire

P 07  How widespread is the presence of Grapevine leafroll-associated virus 8 (GLRaV-8) putative capsid protein gene sequences in DNA and RNA obtained from grapevine varieties?
Esteves F., M. Teixeira Santos, M. De Lurdes Rocha, J. E. Eiras-Dias, F. Fonseca

P 08  The occurrence of viruses in the clonal selection vineyards in Czech republic
Holleinová V., L. Bláhová, K. Baránková

P 09  Contribution of new certified clones to the improvement of the Italian table grape industry

P 10  Clonal selection and sanitary status of local grapevine germplasm in Serbia

P 11  Old grapevine varieties vineyards: a window over a pre sanitary selection era and a source of viruses
Teixeira Santos M, M. De Lurdes Rocha, A. Guedes Da Silva, F. Esteves, F. Fonseca, J. E. Eiras-Dias

Topic III - Fanleaf and other spherical viruses

P 12  Real-time PCR of Grapevine fanleaf virus
Bláhová L., M. Pidra

P 13  First records of Arabis mosaic virus (ARMV) on grapevine in Spain

P 14  Absolute quantification of Grapevine fanleaf virus in Chenopodium quinoa using real-time RT-PCR assays
Ulloa S., C. Ritzenthaler, P.D.T. Valenzuela, C. Bruno

P 15  Detection of Virus like particles (Vlps) by ISEM in transgenic grapevines expressing different GFLV CP-constructs
Gottschamel J., M. Castellano, F. Maghuly, M. Laimer

P 16  Distribution of Grapevine fanleaf virus (GFLV) in grapevines during the season
Čepin U., S. Kršmanović, M. Pompe-Novak, M. Ravnikar
Comparisons of genomic and pathological features among barley and grapevine infecting-isolates of *Arabis mosaic virus*
Marmonier A., E. Vigne, V. Kornar, G. Demangeat, S. Besse, P. Gugerli, O. Lemaire

*Nicotiana benthamiana* plants expressing viral small interfering RNA show differential resistance level against GFLV
Bruno C., P.D.T. Valenzuela

Genetic diversity of the coat protein gene of Chilean isolates of *Grapevine fanleaf virus*
Zamorano A., A.M. Pino, N Fiore

Genetic variability within the coat protein gene of *Grapevine fanleaf virus* (GFLV) isolates from South Africa

Mycorrhiza reduce development of the nematode vector of *Grapevine fanleaf virus* in soil and root systems
Hao Z., L. Fayolle, D. Van Tuinen, X. Li, V. Gianinazzi-Pearson, S. Gianinazzi

Evidence of recombination in 2A gene from a *Grapevine fanleaf virus* isolate
Nourinejhad Zarghani S., M. Shams-Bakhsh, M. Pazhohande, N. Sokhandan Bashir

**Topic IV – Epidemiology – Survey of vineyards**

A preliminary survey of grapevine viruses in kurdistan province (West of Iran)
Afsharifar A.R., M. Kamali, B. Harighi, S. Bahrami Kamangar, V. Roumi, K. Izadpanah

Occurrence of grapevine leafroll-associated virus-1 and 3 in Croatian autochthonous grapevine varieties from Dalmatia
Voncina D., E. Dermic, B. Cvjetkovic, E. Maletic, I. Pejić, J. Karoglan Kontic

Survey of major grapevine virus diseases in the vineyard of Valais (Switzerland)
Besse S., P. Gugerli

A survey of grapevine viruses in native cultivars in old plantations of Štefănești – Argeș vineyard, România
Buciumeanu E-C., I.C. Guță, F. Semenescu

A survey for endemic and exotic viruses of Australian grapevines
Constable F., P. Nicholas, N. Nancarrow, B. Rodoni

Frequent occurence of grapevine virus disease-complexes based on over 30 years indexing-results in Hungary
Lázár J., M. Terjék

Emerging diseases of the grapevine at the Ukraine

Sanitary status of autochthonous minor wine grape varieties: an unusual diffusion of *Arabis mosaic virus*
Materazzi A., C. D'Onofrio, H. Bouyahia, E. Triolo

The virus status of grapevine mother plantations in Cyprus
Neophytou G., K. Sykas, N. Ioannou

Presence of GLRaV -1, -2, -3, -4 and -6 in Spanish vine material according to different ecosystems.
Padilla V., I. Hita, B. García de Rosa, C.V. Padilla, E. Salmerón, N. López, S. Lucas

**Topic V - Phytoplasma diseases**

Proteomic analysis of grapevine (*Vitis vinifera* L. cv. Nebbiolo) midrib tissues infected by flavescence dorée phytoplasma
Margaria P., S. Palmano
P 34 Study of rplP gene for characterization and phylogenetic analysis of phytoplasma strains within the 16Sr-V group
Durante G., E. Boudon-Padieu, D. Clair, F. Quaglino, P. Casati, P.A. Bianco

P 35 Real-time PCR assay for diagnosis of Flavescence dorée (16Sr-V)
Durante G., M. Calvi, A. Colombo, P.A. Bianco, P. Casati

P 36 Detection of grapevine Flavescence dorée and Bois noir phytoplasmas by multiplex Real-time PCR (Taqman®)
Terlizzi F., C. Ratti, C. Poggi Pollini, A.. Pisi, R. Credi

P 37 Detection of phytoplasmas associated with grapevine yellows in rootstocks
Borgo M., L. Filippin, N. Bertazzon, E. Angelini

P 38 High occurrence of Scaphoideus titanus on wild rootstocks in North Eastern Italy
Forte V., M. Borgo, L. Dalla Cia, E. Angelini

P 39 Spatial correlation of Scaphoideus titanus Ball adults on European grapevine at a plot scale: a case study
Lessio F., E. Borgogno Mondino, A. Alma

P 40 Do Scaphoideus titanus larvae aggregate for feeding ?
Chuche J., A. Boursault, D. Thiéry

P 41 Acquisition of Flavescence dorée phytoplasma by Scaphoideus titanus Ball from recovered and infected grapevines of Barbera and Nebbiolo cultivars
Galetto L., C. Roggia, C. Marzachi‘, A. Alma, D. Bosco

P 42 Graft transmission trials of Flavescence dorée phytoplasma from recovered grapevines
Carraro L., N. Loi, P. Ermacora, M. Martini, M. Borgo, P. Casati, R. Osler

P 43 Microbial diversity in healthy, yellows infected and recovered grapevines
Bulgari D., P. Casati, L. Brusetti, F. Quaglino, D. Daffonchio, P.A. Bianco

P 44 Flavescence dorée in the Empordà (Catalonia): results of Scaphoideus titanus containment through aerial treatments
Torres E., J. Rahola, J. Bech, S. Paltrinieri, A. Bertaccini

P 45 Epidemics of Flavescence dorée disease in Portugal
Sousa E., C. Sá, F. Cardoso, M. Mesquita, A. Oliveira, P. Casati, P.A. Bianco

P 46 Grapevine cultivar Plovdina – is it really an indicator plant for flavescence dorée disease ?

P 47 Phytoplasma diffusion through grapevine propagation material and hot water treatment
Mannini F., N. Argamante, G. Gambino, A. Mollo

P 48 Towards strain differentiation among grapevine bois noir phytoplasmas
Contaldo N., B. Duduk, S. Paltrinieri, M. Kölber, I. Ember, A. Bertaccini

P 49 Genetic diversity among Bois noir phytoplasma populations in Italy: new 16Sr subgroups and distinct SNP genetic lineages
Quaglino F., Y. Zhao, P.A. Bianco, W. Wei, G. Romanazzi, S. Murolo, P. Casati, G. Durante, R.E. Davis

P 50 Preliminary results on the variability of Bois noir isolates in a vineyard system in Sicily
Tessitori M., C. Oliveri, F. Veratti, V. Cavalieri, R. La Rosa, C. Marzachi’

P 51 Incidence of Bois noir phytoplasma in different viticulture regions of Spain and stolbur isolates distribution in plants and vectors
Batlle A., J. Sabaté, A. Laviña

P 52 Photosynthesis and transpiration in grapevines affected by Bois noir and recovered
Murolo S., G. Romanazzi, D. Neri

P 53 Abiotic stress and treatment with elicitors for the control of Bois noir in Chardonnay vineyards
Romanazzi G., S. Murolo, A. Masciulli, D. D’Ascenzo, V.A. Prota, R. Garau
P 54 Reaction of different grapevine varieties to summer pruning measures for combating Bois noir
Ipach U., E. Müller, L. Kling, B. Helmstätter

P 55 Can pruning measures combat bois noir disease of grapevine?
Riedle-Bauer M., K. Hanak, F. Regner, W. Tiefenbrunner

P 56 Anaceratagallia ribauti (Oss., 1938) (Hemiptera, Auchenorrhyncha, Agalliinae) transmits a stolbur
type phytoplasma
Riedle-Bauer M., A. Sára

P 57 Vector–phytoplasma relationships during natural infection of Hyalesthes obsoletus, Euscelis
lineolatus, Neocallitrus tenestratus and Psammotettix alienus captured in vineyard agro-ecosystems
in the Marche region (Central-Eastern Italy)
Landi L., N. Isidoro, P. Riolo

P 58 Further data on occurrence of grapevine yellows-associated phytoplasmas in vineyards of Veneto
region (north-eastern Italy)
Quaglino F., N. Mori, P. Casati, A. Zorloni, G. Zanini, P.A. Bianco

P 59 Survey of phytoplasma diversity in heavily grapevine yellows affected areas of Croatia
Šeruga M., D. Škorić, Ž. Budinščak, I. Kržanac, I. Mikec

P 60 Identification of stolbur-related phytoplasmas in grapevine showing decline symptoms in Iran
Karimi M., N. Contaldo, B. Mahmoudi, B. Duduk, A. Bertaccini

P 61 New high incidence of Australian grapevine yellows and evidence on pathogenesis following natural
heat therapy in severely infected South Australian vineyards
Magarey P.A., N. Habili, J. Altmann, J.D. Prosser

**Topic VI – Molecular biology – New technologies**

P 62 Vacuum-agroinfiltration of different V. vinifera cultivars and application of VIGs in the cv. Sultana
Stephan D., J. Du Preez, C. Stander, M. Vivier, M. Muruganantham, M. Mawassi, J.T. Burger

**Topic VII - Virus effects – Control – Crop performances**

P 63 Detection and elimination of grapevine fanleaf virus in callus, somatic embryos and regenerated
plantlets of grapevine
Gambino G., R. Vallania, I. Gribaudo

P 64 Virus elimination in infected clones of four Greek grapevine wine cultivars (Roditis, Xinomavro,
Baftra and savatIano) using in vitro thermotherapy and tip meristem culture
Grammatikaki G., A. Avgelis

P 65 Virus effects on vine growth and fruit components of three California ‘heritage’ clones of Cabernet
Sauvignon

P 66 Virus effects on vine growth and fruit components of Cabernet Sauvignon on six rootstocks

P 67 Comparative study of in vitro behaviour of grapevine (V. vinifera l, Fetească neagră cv.) under the
influence of various virus infections
Guţă I.C., E.-C. Buciumeanu, E. Vişoiu

P 68 A study on LN33 grapevine infected with five viruses
Komínek P., M. Komínková

P 69 Effect of Grapevine fanleaf virus (GFLV) and Grapevine leafroll-associated virus 3 (GLRaV-3) on red
wine quality
Suberviola, F. Aguirrezábal
Leafroll symptoms caused by GLRaV-3 are associated with an increase of resveratrol in grapevine leaves
Bertazzon N., O. Repetto, M. De Rosso, R. Flamini, E. Angelini, M. Borgo

Effects of gva elimination on physiological, agronomic and oenological characteristics of a V. vinifera Marzemino clone

Effects of GLRaV-1 elimination on physiological, agronomic and oenological characteristics of two cv. Marzemino clones

Control of grape berry mechanical properties modifications due to GFLV by mean of texture analysis
Santini D., L. Rolle, F. Mannini

2-amino-6-mercaptopurine: a preliminary study of a novel chemical group for grapevine antiviral therapy
Luvisi A., A. Panattoni, E. Triolo

Advances on the eradication of Grapevine rupestris stem pitting associated virus (GRSPaV) from Vitis vinifera explants
Skiada E., V.I. Maliogka, E.P. Eleftheriou, N.I. Katis

Topic VIII Viruses of the leafroll complex

A real-time RT-PCR assay for the detection and quantification of Grapevine leafroll-associated virus 3 (GLRaV-3) in Vitis vinifera L. (Vitaceae) and Planococcus ficus (Signoret) (Hemiptera: Pseudococcidae)
Douglas N., G. Pietersen, K. Krüger

Advances in molecular detection of GLRaV-1
Bertazzon N., I. Bazzo, O. Repetto, M. Borgo, E. Angelini

Development of an ELISA for the simultaneous detection of Grapevine leafroll-associated virus 4, 5, 6, 7 and 9
Besse S., W. Bitterlin, P. Gugerli

Serological and molecular characterisation of Grapevine leafroll-associated virus 2 variants occurring in Switzerland
Besse S., C. Balmelli, V. Hofstetter, P. Gugerli

Serological detection of Grapevine leafroll associated viruses 1, 2 and 3
Cabaleiro C., A.M. Pesqueira, J.R. Pan. I. Cortez

Serological relationships between grapevine infecting ampelovirus from Argentina
Gómez Talquenca S., M. Lanza Volpe, C. Muñoz

Detection of leafroll GLRaV-1, 2 and 3 on grapevine rootstocks varieties
Beccavin I., M. Beuve, O. Lemaire, S. Grenan

Partial molecular characterization of Grapevine leafroll associated virus-1 isolate from Iran
Roumi V., A.R. Afsharifar, K. Izadpanah

Genetic diversity of Portuguese isolates of Grapevine leafroll-associated virus 1 (GLraV-1) based on the capsid protein
Esteves F., M. Teixeira Santos, M. De Lurdes Rocha, J.E. Eiras-Dias, F. Fonseca

Genetic variability of Grapevine leafroll-associated virus 2 (GLRaV-2) in a Portuguese vineyard, based on the HSP70h and capsid protein genes
Esteves F., M. Teixeira Santos, M. De Lurdes Rocha, J.E. Eiras-Dias, F. Fonseca

RFLP analysis of RT-PCR products to evaluate the genetic variability of CP ORF in GLRaV-2 isolates
Lanza Volpe M., O. Gracia, S. Gómez Talquenca
P 87 Assessment of GLRaV-3 variants occurring in Portuguese grapevine varieties according to the coat protein gene
Gouveia P., F. Esteves, M. Teixeira Santos, F. Fonseca, J.E. Eiras-Dias, G. Nolasco

P 88 Grapevine leafroll disease in *Vitis vinifera* cv Mencia
Pesqueira A.M., R. González-Rodríguez, C. Cabaleiro

P 89 Further data on the sensitivity of different rootstocks to the graft incompatibility associated with GLRaV-2 infection
Pirolo C., D. Boscia, P. La Notte, A. Cardone, G.P. Martelli

P 90 Acquisition and transmission of GLRaV-1 (*Grapevine leafroll associated ampelovirus* 1) by *Planococcus citri* (Risso) (Hemiptera: Pseudococcidae)
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P 94 Shiraz disease and grapevine yellows in South Africa
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Renault-Spilmont A-S., L. Bernard, P. Serra, N. Duran-Vila

P 96 Identification and partial characterization of grapevine viroids in Southern Iran
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(*) Posters will be removed on Wednesday 2 Sept at 19.00 (7.00 pm).
Authors are kindly requested to stand by their posters during breaks and poster sessions. Delegates are invited to assiduous visits and discussions.