

**XXI CONVEGNO NAZIONALE  
SOCIETÀ ITALIANA PATOLOGIA VEGETALE  
CENTRO CONGRESSI TORINO INCONTRA  
TORINO, 21-22-23 SETTEMBRE 2015**

**PROGRAMMA**

**Lunedì 21 Settembre 2015**

12.00 Registrazione dei partecipanti e affissione Posters (n. da 1 a 68)

14.30 Apertura dei lavori e saluti delle Autorità

15.00-15.30 *Relazione su invito*. EUROPE ON ITS WAY INTO A BIOBASED ECONOMY – PERSPECTIVES FOR PLANT – AND AGRO-RESEACH. C. Patermann

**Prima sessione – Etiologia ed epidemiologia. Moderatori: N. Luchi e L. Mugnai**

15.30-15.50 DETECTION, HOST PREFERENCE AND ROLE ON TREE STABILITY OF WOOD DECAY FUNGI IN URBAN ENVIRONMENT. L. Giordano, F. Sillo, P. Gonthier

15.50-16.10 PATHOGENICITY OF ETIOLOGICAL AGENTS OF CROWN ROT DISEASE ON ORGANIC BANANA IN DOMINICAN REPUBLIC. M.A.M. Kamel, P. Cortesi, M. Saracchi

16.10-16.30 RACE TYPING AND MOLECULAR CHARACTERIZATION OF *XANTHOMONAS CAMPESTRIS* PV. *CAMPESTRIS* STRAINS OCCURRING IN ITALY. P. Bella, C. Moretti, C.P. Strano, M. Zaccardelli, F. Branca, R. Buonauro, J.G. Vicente, V. Catara

16.30-16.50 ‘*CANDIDATUS* PHYTOPLASMA PHOENICIUM’ ASSOCIATED WITH ALMOND WITCHES’-BROOM DISEASE: INSIGHTS INTO THE STRAIN POPULATION STRUCTURE AND THE INTERACTIONS WITH HOSTS. F. Quaglino, M. Kube, M. Jawhari, Y. Abou-Jawdah, C. Siewert, E. Choueiri, H. Sobh, P. Casati, R. Tedeschi, M. Molino Lova, A. Alma, P.A. Bianco

16.50-17.10 THE NEW DEAL IN VIRUS DISCOVERY: A MAJOR CONCERN FOR “MINOR” CROPS. M. Morelli, M. Chiumenti, P. Saldarelli, A. Giampetruzzi, A. Minafra

17.10-17.30 SYNTHETIC CLONES OF *GRAPEVINE ALGERIAN LATENT VIRUS* (GALV) DEVELOP A TYPICAL *TOMBUSVIRUS* INFECTION IN *NICOTIANA BENTHAMIANA* INFECTED CELLS. A. Lovato, A. Polverari, D. Maffi, F. Faoro

17.30-18.00 Conferimento del Premio “G. Scaramuzzi” 2015

18.00-20.00 “*Apericena*” di benvenuto

**Sessione serale *Opificio delle idee*. Moderatori: I. Baccelli e B. Scanu**

20.00-20.15 *DIPLODIA SAPINEA* AND CLIMATE CHANGE: SPECIES DISTRIBUTION MODELS OF THE MOST IMPORTANT PINE SHOOT PATHOGEN IN ITALY. L. Bossò, H. Rebelo, N. Luchi, G. Maresi, D. Russo, G. Cristinzio

20.15-20.30 RAPID SPREAD AND GENETIC DIVERSITY OF *PEPINO MOSAIC VIRUS* IN TOMATO CROP IN SICILY. S. Panno, S. Davino, G. Iacono, M. Davino

20.30-20.45 COMPARATIVE GENOMICS BETWEEN THE INVASIVE FOREST PATHOGEN *HETEROBASIDIUM IRREGULARE* AND THE NATIVE SIBLING SPECIES *H. ANNOSUM* PROVIDE A GLIMPSE INTO THEIR DIVERGENT ADAPTIVE EVOLUTION. F. Sillo, M. Garbelotto, P. Gonthier

20.45-21.00 LASER MICRODISSECTION OF GRAPEVINE LEAVES HIGHLIGHTS SITE-SPECIFIC TRANSCRIPTIONAL CHANGES AT THE EARLY STAGES OF DOWNY MILDEW INFECTION. L. Lenzi, C. Caruso, P.L. Bianchedi, I. Pertot, M. Perazzolli

21.00-21.15 GENOME PERTURBATION CONSEQUENT TO GENE DELETION BY HOMOLOGOUS RECOMBINATION. A. Grottoli, M. Beccaccioli, W. Sanseverino, C. Fanelli, M. Reverberi, V. Scala

- 21.15-21.30 UNRAVELLING PLANT-MICROBE INTERACTIONS: SUCCESSFUL COLONIZATION OF LETTUCE BY TAGGED BIOCONTROL *STREPTOMYCES*. X. Chen, M. Bonaldi, C. Pizzatti, A. Kunova, M. Saracchi, A. Erlacher, G. Berg, P. Cortesi
- 21.30-21.45 HOPAI' A NEW PUTATIVE T3SS EFFECTOR OF *PSEUDOMONAS SAVASTANOI* PV. *SAVASTANOI* STRAIN DAPP-PG722, THE CASUAL AGENT OF OLIVE KNOT DISEASE. C. Cortese, M.P. Castañeda-Ojeda, C. Ramos, R. Buonauro, C. Moretti
- 21.45-22.00 DOWNY MILDEW CONTROL AND VEGETATIVE GROWTH OF GRAPEVINES UNDER ALTERNATIVE TREATMENTS TO SYNTHETIC FUNGICIDES. V. Mancini, E. Feliziani, A. Servili, G. Romanazzi

**Martedì 22 Settembre 2015**

- 9.00-9.30 *Relazione su invito*. NETWORK EPIDEMIOLOGY AND PLANT TRADE. M.J. Jeger, G. Stancanelli, M. Pautasso

**Seconda sessione – Genomica e interazione pianta-patogeno. Moderatori: M. Lorito e R. Marcato**

- 9.30-9.50 GENOME PLASTICITY MEDIATED BY TRANSPOSABLE ELEMENTS DRIVES THE EVOLUTION OF VIRULENCE IN THE VASCULAR WILT PATHOGEN *VERTICILLIUM DAHLIAE*. L. Faino, M.F. Seidl, B.P.H.J. Thomma
- 9.50-10.10 FUNGAL  $\beta$ -GLUCANS PROTECT THE FUNGAL CELL FROM PLANT THAUMATIN-LIKE PROTEINS AND CHITINASE. R. Marcato, L. Sella, S. Vincenzi, M. Sturlese, S. Moro, F. Favaron
- 10.10-10.30 ANALYSIS OF *PHYTOPHTHORA* DIVERSITY IN ORNAMENTAL NURSERIES USING METABARCODING APPROACHES BASED ON CLONING/SANGER SEQUENCING AND 454 PYROSEQUENCING. M.I. Prigigallo, A. Abdelfattah, A. Biasi, S. Mosca, M.G. Li Destri Nicosia, S.O. Cacciola, G. Magnano di San Lio, L. Schena
- 10.30-10.50  $Ca^{2+}$  TRANSPORT IN *PSEUDOMONAS SAVASTANOI* PV. *SAVASTANOI*-OLIVE PATHOSYSTEM. C. Moretti, L. Granieri, C. Cortese, M. Mazzoni, A.M. Del Pino, R. Buonauro, C.A. Palmerini
- 10.50-11.10 THE MAPK CASCADE IN PLANT INNATE IMMUNITY IS REGULATED BY PEROXYNITRITE-MEDIATED TYROSINE NITRATION. B. Sottocornola, D. Bellin, L. Tengfang, A. Amoresano, M. Delledonne, E. Vandelle
- 11.10-11.30 NUCLEOLAR LOCALIZATION, PATHOGENIC EFFECTS AND SILENCING SUPPRESSOR ACTIVITY OF THE P15 PROTEIN FROM GRAPEVINE VIRUS B. S. Davino, S. Ruiz-Ruiz, P. Serra, R. Flores
- 11.30-11.45 *Pausa caffè*
- 11.45-13.00 Sessione poster – Eziologia ed epidemiologia/Genomica e interazione pianta-patogeno. Moderatori: M. Ruocco e L. Schena

13.00-14.00 *Pranzo di lavoro*

- 14.00-14.30 *Relazione su invito*. THE GOOD AND BAD SCIENTIFIC COMUNICATION. P. Bianucci

**Terza sessione – Malattie post-raccolta e micotossine. Moderatori: M. Reverberi e S. Sanzani**

- 14.30-14.50 BIOLOGICAL CONTROL OF POST-HARVEST FUNGAL PATHOGENS BY *AUREOBASIDIUM PULLULANS*: COMPETITION ASPECTS. A. Di Francesco, L. Righetti, S. D'Aquino, M. Mari
- 14.50-15.10 *FUSARIUM INCARNATUM-EQUISETI* SPECIES COMPLEX FROM CEREALS: PHYLOGENY AND VARIABILITY OF TRICHOTHECENE BIOSYNTHETIC GENE CLUSTER. A. Villani, R.H. Proctor, D.W. Brown, T.J. Ward, A.F. Logrieco, A. Moretti, A. Susca
- 15.10-15.30 EFFICACY OF COLD PLASMA IN THE REDUCTION OF AFLATOXINS ON HAZELNUTS. D. Spadaro, A. Prella, I. Siciliano, M.C. Cavallero, D. Vallauri, A. Garibaldi, M.L. Gullino

15.30-15.50 CHARACTERIZATION OF *MONILINIA* SPP. POPULATIONS IN SOUTH ITALY AND DETERMINATION OF THEIR SEXUAL BEHAVIOR. D. Abate, C. Pastore, S. Pollastro, D. Gerin, R.M. De Miccolis Angelini, C. Rotolo, A. Spadoni, F. Faretra

15.50-16.00 *Pausa caffè*

16.00-16.15 Affissione Posters (n. da 69 a 116)

16.15-18.00 Assemblea sociale

20.30 *Cena sociale*

### **Mercoledì 23 Settembre 2015**

9.00-9.30 *Relazione su invito*. FUNGICIDE DEVELOPMENT FOR THE 21<sup>ST</sup> CENTURY. G.M. Kemmitt

#### **Quarta sessione – Difesa. Moderatori: M.L. Gullino e S. Sarrocco**

9.30-9.50 COMPETITIVE MULTITROPHIC INTERACTIONS IN THE BIOCONTROL OF FUSARIUM HEAD BLIGHT. S. Sarrocco, F. Valenti, R. Baroncelli, G. Piaggieschi, G. Vannacci

9.50-10.10 CONTROL OF SOIL-BORNE PATHOGENS ON POTTED VEGETABLES WITH MICROORGANISMS ISOLATED FROM SUPPRESSIVE COMPOST. M. Pugliese, G. Castella, L. Battisti, M.L. Gullino, A. Garibaldi

10.10-10.30 INFLUENCE OF THINNING TREATMENT ON THE OCCURRENCE OF TREE DECLINE IN DECIDUOUS OAK FORESTS. N. Anselmi, A. Saraceni

10.30-10.50 CONTROL OF GRAPEVINE DOWNY MILDEW BY PROTEIN HYDROLYSATES. N. Lachhab, S.M. Sanzani, M. Adrian, A. Chiltz, S. Balacey, M. Boselli, A. Ippolito, B. Poinssot

10.50-11.10 NEW FUNGAL HYBRIDS THAT COMBINE IN A SINGLE STRAIN THE PRODUCTION OF DIFFERENT BIOACTIVE SECONDARY METABOLITES AND ENHANCED BENEFICIAL EFFECTS ON PLANTS. G. Manganiello, S. Lanzuise, M. Ruocco, F. Vinale, R. Marra, N. Lombardi, A. Pascale, F. Lacatena, A. Djella, L. De Vitto, S.L. Woo, M. Lorito

11.10-11.30 ROLE OF SINGLE SITE-SPECIFIC ALLELE REPLACEMENT INTO SVHK1 LOCUS IN THE STUDY OF *STEMPHYLIUM VESICARIUM* DICARBOXIMIDE AND PHENYLPYRROLE FUNGICIDES RESISTANCE. K. Gazzetti, A. Ciriani, A. Brunelli, M. Collina

11.30-11.45 *Pausa caffè*

11.45-13.00 Sessione poster – Malattie post-raccolta e micotossine/Difesa. Moderatori: P. Cortesi e C. Fanelli

13.00-13.15 Chiusura lavori