



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



S.I.Pa.V.
Società Italiana di
Patologia Vegetale



FACOLTÀ DI AGRARIA
ALMA MATER STUDIORUM - UNIVERSITÀ DI BOLOGNA

XVII Convegno Nazionale Società Italiana di Patologia Vegetale

Bologna 12 - 14 Settembre 2011

Aula Magna Facoltà di Agraria

Alma Mater Studiorum Università di Bologna

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PROGRAMMA DEL CONVEGNO

LUNEDÌ 12 SETTEMBRE 2011

11.00 **Registrazione e affissione poster**

14.00 **Cerimonia di apertura.**
Presiede Prof. Aniello Scala, Presidente della S.I.Pa.V.

14.45 - 15.15 **Saluto delle Autorità**

15.15 - 15.45 **Proclamazione del vincitore del Premio “G. Scaramuzzi”**

15.45 - 16.15 **Relazione ad invito** - New horizon in the research on plant-virus-vector interaction.
Prof. Stéphane Blanc, INRA-CIRAD-SupAgro, Campus de Baillarguet, Montpellier, France

Prima sessione “interazione pianta-patogeno”

16.15 - 16.30 *Pseudomonas mediterranea* and *P. corrugata* share highly similar AHL-QS system although diversely involved in virulence on tomato and lipodep sipeptide production
Strano C. P., Licciardello G., Bertani I., Bella P., Fiore A., Fogliano V., Venturi V., Catara V.

16.30 – 16.45 Detection, characterization and pathogenicity of *Fusarium* head blight agents isolated from syrian wheat kernels
Alkadri D., Tonti S., Mir M. A., Nipoti P., Pancaldi D., Pisi A., Prodi A.

16.45 – 17.00 Biological and phylogenetic characterization of *Fusarium poae* strains isolated from kernels of italian cereals
Dal Prà M., Tonti S., Amato B., Montanari M., Prodi A., Giannini M., Pancaldi, D., Alberti I.

17.00 – 17.30 **Pausa caffè**

Proseguizione Prima sessione

17.30 – 17.45 Esca proper and apoplexy: proteome variations in green stems of *Vitis vinifera* L. cv. Chardonnay affected plants
Spagnolo A., Magnin-Robert M., Alayi T. D., Cilindre C., Mercier L., Schaeffer-Reiss C., Van Dorsseleer A., Clément C., Fontaine F.

17.45 – 18.00 Cerato-platanin: determination of the 3D structure, regulation of the gene and plant interaction
Pazzagli L., Baccelli I., Bernardi R., Bettini P., Carresi L., Comparini C., Faoro F., Martellini F., Pertinhez T.A., Spisni A., Cappugi G., Scala A.

18.00 – 18.15 Horizontal transfer of the *cerato-ulmin* gene and characterization of a new hydrophobin in *Geosmithia* spp. isolates.
Bettini P., Carresi L., Comparini C., Frascella A., Pepori A.L., Pazzagli P., Santini A., Cappugi G., Scala F., Scala A.

- 18.15 – 18.30** Gene expression, antimicrobial activity and membrane interaction of the peach defensin PpDFN1
Nanni V., Zanetti M., Dalla Serra M., Moser C., Bertolini P., Baraldi E.
- 18.30 – 18.45** Agroinfection: a new approach for *Beet necrotic yellow vein* virus study
Delbianco A., D'Alonzo M., Lanzoni C., Klein E., Gilmer D., Rubies Autonell C., Ratti C.
- 18.45 – 19.00** Diagnosis, characterization and diffusion of *pospiviroids* on ornamental plants in Italy
Costantini E., Luigi M., Luison D., Mangiaracina P., Albanese G., Tomassoli L., Faggioli F.
- 19.00 – 19.15** *Artichoke italian latent virus* escapes plant-driven RNA silencing and persists in the shoot apical meristems of infected *Nicotiana tabacum*.
Santovito E., Mascia T., Gallitelli D.

MARTEDÌ 13 SETTEMBRE 2011

Proseguimento Prima Sessione

- 9.00 – 9.15** Molecular dissection of the pathogenicity determinant of a chloroplastic viroid and potential role of RNA silencing in pathogenesis.
Navarro B., Gisel A., Rodio M.E., Delgado S., Flores R., Di Serio F.
- 9.15 – 9.30** A novel recombinant of *Potato virus Y* provides new indications on the genome portions involved in venial necrosis induction in tobacco
Parrella G., Alioto D.
- 9.30 – 9.45** Evidence of mixed infections of *Citrus tristeza virus* isolates detected by sequential dot blot ELISA and CE-SSCP
Licciardello C., Raspagliesi D., Bar-Joseph M., Catara A.
- 9.45 – 10.00** The *Potato spindle tuber viroid* threat: studies on its detection, characterization, transmission, diffusion, risk assessment and control strategies in the frame of the "PSTVd-free" project
Luigi M., Navarro B., Siletti M.R., Torchetti E.M., Costantini E., Luison D., Mangiaracina P., Trisciuzzi V.N., Altieri L., Tomassoli L., Di Serio F., Faggioli F.
- 10.00 – 10.15** BSBMV RNA4 encodes the p32 protein, essential for virus transmission
D'Alonzo M., Delbianco A., Lanzoni C., Rubies Autonell C., Gilmer D., Ratti C.
- 10.15 – 10.30** Unravelling mechanisms of *Tomato spotted wilt virus* journey in grafted tomato plants: a look to the past and ideas for the future
Spanò R., Mascia T., Gallitelli D.
- 10.30 – 10.45** Microarray second generation chip, a new diagnostic tool in plant pathology?
Tiberini A., Barba M.
- 10.45 – 11.15** **Pausa caffè**

Seconda sessione “Patogeni postraccolta e micotossine”

- 11.15 – 11.45** *Relazione ad invito* - Biochemical and transcriptomic analysis of host responses to yeast biocontrol agents of postharvest pathogens.
Dr. Samir Droby. Department of Postharvest Science. ARO. The Volcani Center. Israel
- 11.45 – 12.00** Role of the mycotoxin patulin in blue mould of apples
Sanzani S.M., Reverberi M., Punelli M., Ippolito A., Fanelli C.
- 12.00 – 12.15** Translocation of DON to the head of soft wheat following infection of the stem base by *Fusarium culmorum*
Covarelli L., Beccari G., Steed A., Nicholson P.
- 12.15 – 12.30** The inhibition of mycotoxins biosynthesis by α -heteropolysaccharides of *Trametes versicolor*
Scarpari M., Fabbri A.A, Fanelli C., Cescutti P., Rizzo R., Herasimenka Y., Punelli M., Zjalic S., Reverberi M.
- 12.30 – 12.45** Influence of water activity on fumonisin and bikaverin gene expression and toxin production in *Fusarium verticillioides*
Lazzaro I., Busman M., Battilani P., Butchko A.E.R.
- 12.45 – 13.00** Dynamic of mycotoxins and related fungi during cereals storage in silobags
Formenti S., Meriggi P., Pietri A., Gregori R., Baccarini G., Battilani P.
- 13.00 – 14.30** **Pausa pranzo e visione poster**
- 14.30 – 17.30** **Assemblea soci S.I.Pa.V.**
- 20.00** **Cena sociale**

MERCOLEDÌ 14 SETTEMBRE 2011

Terza sessione “Interazione microrganismi antagonisti-patogeni-piante”

- 9.00 – 9.15** Microbial diversity affects soil fungistasis, disease suppression and invasiveness by alien species
Capodilupo M., Bonanomi G., Ceniccola M., Lorito M., Scala F.
- 9.15 – 9.30** *Trichoderma* MAMPs affect plant resistance against pathogens, promote plant growth and interactions with nitrogen-fixing bacteria
Ruocco M., Vinale F., Woo S. L., Lanzuise S., Nigro M., Varlese R., Eid A. M. E., Chiurazzi M., Scala F., Lorito M.
- 9.30 – 9.45** Chitinases, glucanases and proteases are involved in the mechanism of action of yeast antagonists of postharvest rots
Zhang D., Spadaro D., Valente S., Garibaldi A., Gullino M.L.

- 9.45 – 10.00** Selection of atoxigenic *Aspergillus flavus* native to Italy as candidate biocontrol agents
Mauro A., Battilani P., Giorni P., Pietri A., Cotty P.J.
- 10.00 – 10.15** Role of a bacterial consortium in the olive knot disease development
Hosni T., Moretti C., Devescovi G., Suarez-Moreno Z.R., Fatmi M., Guarnaccia C., Pongor S., Onofri A., Buonauro R., Venturi V.
- 10.15 – 11.15** **Pausa caffè e visione poster**
Quarta Sessione “Resistenza e Difesa”
- 11.15 – 11.30** Activity of different plant protection products against chasmothecia of grapevine powdery mildew
Legler S.E., Caffi T., Rossi V.
- 11.30 – 11.45** Biochemical changes associated with induced resistance on citrus fruit
Youssef K., Sanzani S.M., Ligorio A., Terry L.A., Ippolito A.
- 11.45 – 12.00** Effect of 2-phenethyl alcohol on the control of postharvest fungal diseases
Rouissi W., Mari M., Ugolini L., Bertolini P.
- 12.00– 12.15** Use of ozone in the control of branches rots grapevine
Fumarola C., Gallo M., Antonacci D., Crupi P., Coletta A., Ciccarese F.
- 12.15 – 12.30** Bacterial diseases on *Pleurotus eryngii*: preliminary studies on control strategies
Bruno G., Rana G. L., Scarola L., Cariddi C.
- 12.30 – 12.45** Fungi used in the bioremediation of pentachlorophenol and biological control of important plant pathogens
Bosso L., Hechmi N., Scelza R., Testa A., Rao M.A., Cristinzio G.
- 12.45** **Chiusura convegno**