

2013 Pierce's Disease Research Symposium

December 16 – 18, 2013

<<< Symposium Program >>>

Monday, December 16

- 3:00 p.m. Registration Desk Opens (Regency Ballroom Foyer Gift Shop)
Poster Room Available for Set-up (Regency Ballroom B)
- 6:00 p.m. Registration Desk Closes
- 6:30 p.m. Poster Room Closes

Tuesday, December 17

- 7:30 a.m. Registration Desk Opens (Regency Ballroom Corridor)
- 8:30 a.m. **WELCOME & OPENING REMARKS**
(Regency Ballroom C)
- 8:35 a.m. Call to Order
Bob Wynn
- 8:37 a.m. Welcome
Karen Ross, Secretary, CDFA
Juli Jensen, Agricultural Commissioner, Sacramento County
- 8:57 a.m. Opening Remarks
Bob Wynn
- 9:02 a.m. **GENERAL PRESENTATIONS**
(Regency Ballroom C) -- Moderator: *Tom Esser*
- 9:05 a.m. Research Program Update
Tom Esser and Deborah Golino
- 9:20 a.m. PIPRA Update
Alan Bennett
- 9:35 a.m. Commercializing Promising Technologies
Peter Matlock
- 9:50 a.m. PD/GWSS Outreach Update
Ken Freeze
- 10:00 a.m. **BREAK** (Foyer)
- 10:20 a.m. **SESSION 1: GRAPEVINE FIELD TRIALS**
(Regency Ballroom C) --- Moderator: *David Gilchrist*
- 10:25 a.m. Field Trial Site Establishment and Management
David Gilchrist and Thomas Miller

Tuesday, December 17 (continued)

- 10:40 a.m. Field Evaluation of Grape Plants Expressing P14 and UT456 Transgenic DNA Sequences for Protection Against Pierce's Disease
David Gilchrist
- 10:55 a.m. HNE-CecB and PGIP Transgenic Grapevine Field Trial
Abhaya Dandekar
- 11:10 a.m. Evaluation of Pierce's Disease Resistance in Transgenic *Vitis vinifera* Grapevines Expressing *Xylella fastidiosa* Hemagglutinin and *V. vinifera* Thaumatin-like Protein
Bruce Kirkpatrick
- 11:25 a.m. Field Evaluation of DSF-producing Grapevines for Controlling Pierce's Disease
Steven Lindow
- 11:40 a.m. Field Evaluations of Grafted Grape Lines Expressing Polygalacturonase-inhibiting Proteins
Ann Powell
- 11:55 a.m. Discussion
- 12:15 p.m. **LUNCH** (Regency Ballroom C)
- 1:15 p.m. **SESSION 2: VECTOR BIOLOGY, ECOLOGY, AND MANAGEMENT**
(Regency Ballroom C) --- Moderator: *David Morgan*
- 1:20 p.m. Area-wide Management Programs for Controlling the Glassy-winged Sharpshooter in Grape Production Areas
Tyson Porter
- 1:35 P.M. The Endocrine System of the Glassy-winged Sharpshooter, a Viable Insecticide Target.
Shizuo Kamita
- 1:50 p.m. RNA-interference and Control of the Glassy-winged Sharpshooter and Other Leafhopper Vectors of *Xylella fastidiosa*
Bryce Falk
- 2:05 p.m. Glassy-winged Sharpshooter Eradication in San Luis Obispo County
Marc Lea
- 2:15 p.m. **POSTER SESSION** (Regency Ballroom B)
- 2:20 p.m. Poster Session Begins
- 5:20 p.m. Poster Session Ends
- 5:30 p.m. Poster Room Closes

Wednesday, December 18

- 8:10 a.m. Registration Desk Opens (Regency Ballroom Corridor)
- 8:30 a.m. **SESSION 3: THE *Xylella fastidiosa* INFECTION CYCLE**
(Regency Ballroom C) --- Moderator: *George Bruening*
- 8:35 a.m. How *Xylella fastidiosa* Is Transmitted by Insects
Fabien Labroussaa
- 8:50 a.m. How *Xylella fastidiosa* Is Able to Move in Plants
Thomas Burr
- 9:05 a.m. Chemical Signaling in *Xylella fastidiosa* Infections
Steve Lindow
- 9:20 a.m. The Pathobiology of *Xylella fastidiosa* Cell Secretions
Abhaya Dandekar
- 9:35 a.m. Discussion
- 9:55 a.m. **BREAK** (Foyer)
- 10:15 a.m. **SESSION 4: PATHOGEN BIOLOGY AND ECOLOGY, AND PATHOGEN AND DISEASE MANAGEMENT**
(Regency Ballroom C) --- Moderator: *Drake Stenger*
- 10:20 a.m. Characterization of the Lipopolysaccharide-Mediated Response to *Xylella fastidiosa* Infection in Grapevines
Caroline Roper
- 10:35 a.m. Greenhouse Evaluation of Grapevine Fungal Endophytes and Fungal Natural Products Antagonistic to *Xylella fastidiosa* for Control of Pierce's Disease
Philippe Rolshausen
- 10:50 a.m. Virulent Phages of *Xylella fastidiosa*: Preventative and Therapeutic Evaluation
Carlos Gonzalez
- 11:05 a.m. Identification and Characterization of *Xylella fastidiosa* Isolated from Coffee Plants in France
Charles Manceau
- 11:20 a.m. Update on the Evaluation of Olive Plants as a Host for *Xylella fastidiosa* and Associated Vectors
Rodrigo Krugner
- 11:30 a.m. Symbiotic Control of Pierce's Disease Using the Registered Agent *Pantoea* and Microencapsulation Delivery
Arinder Arora

Wednesday, December 18 (continued)

- 11:45 a.m. **ROUNDTABLE DISCUSSIONS**
(Regency Ballroom C)
- Topics:
- Developing an Integrated Picture of the *Xylella fastidiosa* Infection Cycle
 - Stacking Transgenes in Scion-protecting Rootstock: Which Transgenes, Which Rootstocks?
 - New and Seasoned Approaches to Containment and Suppression of the Glassy-winged Sharpshooter
- 12:20 p.m. **LUNCH** (Regency Ballroom C)
- 1:20 p.m. **SESSION 5: CROP BIOLOGY, DISEASE EPIDEMIOLOGY, AND ECONOMICS**
(Regency Ballroom C) -- Moderator: *Roger Spencer*
- 1:25 p.m. Pierce's Disease Resistant Winegrapes Nearing Release
Andrew Walker
- 1:40 p.m. Development of a Grape Tissue Culture and Transformation Platform for the California Grape Research Community
David Tricoli
- 1:55 p.m. The Costs and Benefits of Pierce's Disease Research in the California Winegrape Industry
Julian Alston
- 2:10 p.m. The Costs of Replanting Vineyards in California
Karen Klonsky
- 2:25 p.m. **CLOSING**
(Regency Ballroom C)
- 2:30 p.m. Closing Comments
Tom Esser
- 2:40 p.m. Adjournment