

## PROGRAM SCHEDULE

### Tuesday June 27

7:00 AM	Meet at the Bus at the Mission Inn Hotel, Riverside, CA
7:00 - 8:00 AM	Drive to Coachella Valley
8:00 - 9:00 AM	Visit a citrus orchard for branch canker and Hendersonula diseases, Thermal, CA. Presentations by Akif Eskalen Plant Pathologist, CE Specialist, UC Riverside and Joey Mayorquin (Graduate Student at UC Riverside) and Sonia Rios (UCCE Farm Advisor, Riverside and San Diego Counties).
9:00 - 10:00 AM	Visit Vegetable nursery transplantation in Mecca. Presentations by Alex Putman (CE Specialist, UC Riverside) and Jose Aguilar (UCCE Farm Advisor)
10:00-11:00 AM	Visit Coachella Valley Agricultural Research Station. A brief introduction about the research station by Peggy Mauk (Director of Ag-Ops)
11:00 AM - 12:30 PM	Lunch at UC Palm Desert Center, Palm Desert, CA. A presentation about strawberry production in Coachella Valley by Gerald Holmes (Cal Poly Strawberry Center Director) and Alex Putman.
12:30 - 1:30 PM	Visit Shields Date Garden (Indio, CA)
1:30 - 2:30 PM	Drive back to Riverside
2:30 - 3:30 PM	Visit Martha Mclean-Anza Narrow Park and Santa Ana River Riparian area for shot hole borer-fusarium dieback disease on ornamental and native trees, Riverside, CA. Presentation by Akif Eskalen.
3:30 - 4:30 PM	Visit CCPP facility in Mt. Rubidoux, Riverside. Presentation by Georgios Vidalakis (Director of CCPP)
4:30 - 4:45 PM	Drive back to Mission Inn, Riverside, CA
5:00 - 7:00 PM	Reception, Mission Inn, Riverside, CA

## Wednesday June 28

**7:30 – 8:30 AM**      **Load presentations; hang posters**

**8:30 – 9:00 AM**      **Opening and Welcome**

8:30 AM      **Soum Sanogo/Florent Trouillas** – *Welcome*

8:40 AM      **Kira Bowen**, APS Vice President – *Update from APS council*

**9:00 AM – 4:10 PM** **Symposium “Emerging diseases in California’s agricultural and natural ecosystems” – Moderator:**

9:00 AM      **Robert Shatters**, USDA-ARS – *Bactericide use in the fight against citrus greening disease in Florida: Getting them where they need to be when they need to be there*

9:30 AM      **Georgios Vidalakis**, UC Riverside – *Citrus Clonal Protection Program (CCPP) and National Clean Plant Network (NCPN): A model System for prevention of citrus diseases.*

**10:00 – 10:30 AM**      **Break**

10:30 AM      **Johan Leveau**, UC Davis – *Citrus leaf microbiota as a prediagnostic tool in HLB management*

10:55 AM      **Gitta Coaker**, UC Davis - *Candidatus Liberibacter asiaticus: conserved effectors and the citrus response*

11:20 AM      **Gerald Holmes**, Cal Poly – *The California strawberry industry in a post-methyl bromide era: A pathological perspective*

11:45 AM      **Richard Bostock**, UC Davis – *Thousand cankers disease of walnut: Current research and status in California*

**12:10 – 1:45 PM**      **Lunch Buffet**

**1:45 – 4:10 PM**      **Symposium “Emerging diseases in California’s agricultural and natural ecosystems” (continued)**

1:45 PM      **Cassandra Sweett**, UC Davis - *Insights into shoot infection biology of *Fusarium circinatum* in *Pinus radiata* and the role of wounding in pitch canker epidemiology*

2:10 PM      **Mysore Sudarshana**, USDA-ARS - *Grapevine red blotch disease, an emerging problem to wine grape production in the US*

**2:35 – 3:05 PM      Break**

3:05 PM      **Florent Trouillas**, UC Riverside - *Biology and control of Neofabraea leaf spot and twig dieback, a new threat to the olive oil industry in California*

3:30 PM      **Akif Eskalen**, UC Riverside - *Current host range, distribution, and biocontrol of Fusarium dieback-shot hole borers in California.*

3:55 PM      Questions/Answers for symposium speaker

**4:15 – 5:30 PM      Graduate Student Oral Presentation Competition – Moderator:**

4:15 PM      **Erin Galarneau** - *Interaction of grapevine phenolic compounds and wood-colonizing fungi that cause grapevine trunk diseases*

4:30 PM      **Morgan Grey** - *Effects of new Oomycete-specific fungicides on tree health, fruit yields and Phytophthora root rot of citrus*

4:45 PM      **Stacey Haack** - *Pre- and post-harvest management of Xanthomonas fragariae to overcome trade barriers of California strawberries*

5:00 PM      **Chonging Xia** - *Secretome characterization and correlation analysis reveal putative pathogenicity mechanisms in stripe rust fungus Puccinia striiformis f. sp. Tritici*

5:15 PM      **Joseph Carrillo** - *Probe-based multiplex real-time PCR as a diagnostic tool to distinguish two distinct Fusarium spp. associated with Euwallacea spp. in California*

**5:35 – 6:55 PM      Posters, including student poster competition, social time**

**7:00 - 9:00 PM      Awards banquet**

## Thursday June 29

### 8:00 – 11:45 AM Graduate Student Oral Presentation Competition (continued) -

#### **Moderator:**

- 8:00 AM **Andrea Garfinkel** - *Multiple new pathogens revealed in a survey of peony diseases in the United States*
- 8:15 AM **Lu Liu** - *Molecular mapping of stripe rust resistance QTL in Pacific Northwest winter wheat cultivar Madsen*
- 8:30 AM **Elizabeth Deyett** - *Identifying grapevine microbial endophytes for control of Pierce's Disease*
- 8:45 AM **Yuxiang Li** - *Virulence and molecular characterization of Puccinia striiformis f. sp. tritici mutants generated using ethyl methanesulfonate*
- 9:00 AM **Albre Brown** - *Field-testing of pruning-wound protectants for trunk-disease management in California table grapes*
- 9:15 AM **Yi Zhu** - *Characterization of Alternaria species causing Alternaria leaf spot of cotton in southern New Mexico*
- 9:30 AM **Joey Mayorquin** - *Chemical management of Shot hole borer (Euwallacea spp.) and Fusarium Dieback, an invasive pest-disease complex in California sycamore*
- 9:45 AM **Paul Lambert** - *Evidence of active movement of the causative agents of Pistachio Bushy Top Syndrome*

### 10:00 – 10:30 AM **Break**

- 10:30 AM **Kelley Clark** - *A CLas effector targets a specific family of secreted proteases in citrus*
- 10:45 AM **Esteban Molina** - *Evaluation of Phytophthora riparia as a bio-control agent against common diseases on chile pepper*
- 11:00 AM **Daniel Chen** - *Organic acid sanitizers for re-circulating fungicide solutions that are used in postharvest management of fruit decays*
- 11:15 AM **Arsenio Ndeve** - *A modified protocol for phenotyping Fusarium Wilt disease resistance in cowpea*
- 11:30 AM **Rodger Belisle** - *Baseline sensitivities of new fungicides for Phytophthora cinnamomi causing avocado root rot in California*

**11:45 AM - 5:15 PM      Oral Presentations – Moderator:**

11:40 AM    **Parama Sikdar** - *Management of bull's eye rot using preharvest and postharvest fungicides*

**12:00 – 1:30 PM      Lunch and Business Meeting**

**1:30 - 5:00 PM      Oral Presentations (continued) – Moderator:**

1:30 PM    **Tyler Dang** - *Understanding the role of citrus-associated microbes in Huanglongbing infected trees in Florida*

1:45 PM    **Kendra Baumgartner** - *Encouraging grape growers to prevent trunk diseases through collaborative research with social scientists, extension specialists, and stakeholders*

2:00 PM    **Renaud Travadon** - *Developing a model system for studying the interactions between *Vitis vinifera* and *Eutypa lata**

2:15 PM    **Andreas Westphal** - *Efficacy of anaerobic soil disinfestation in reducing plant-parasitic nematodes under nursery conditions*

2:30 PM    **Shih-Hua Tan** - *Two citrus viruses encode silencing suppressors to suppress posttranscriptional gene silencing*

2:45 PM    **Daniel Lawrence** - *TrunkDiseaseID.org: A molecular database for grapevine trunk pathogen identification*

3:00 PM    **Fernando Hinnah** - *Coffee rust risk in Brazil – a multi-factor approach*

3:15 PM    **Ole Becker** - *Fluopyram provides effective control against *Anguina pacificae* in annual bluegrass*

**3:30 – 3:45 PM      Break**

3:45 PM    **Mohamed Nouri** - *Identification and pathogenicity of fungal species associated with canker diseases of pistachio in California*

4:00 PM    **Phillip Fujiyoshi** - *Monitoring grapevine trunk diseases in young and mature vineyards in California wine regions*

4:15 PM    **Sudarsana Poojari** - *Epidemiology and spatio-temporal distribution of grapevine viruses in British Columbia*

- 4:30 PM     **Johanna Del Castillo-Munera** - *Adapting to water insecurity: Using alternative sources of irrigation water and balancing reduced water use with root disease risk*
- 4:45 PM     **Fatima Osman** - *Streamlining Citrus Clonal Protection Program (CCPP) citrus diagnostics using multiplex qPCR*
- 5:00 PM     **Sohrab Bodaghi** - *The California citrus nursery disease testing program*
- 5:15 PM     Concluding Remarks – Kendra Baumgartner, President, APS Pacific Division**

## POSTERS AND PRESENTING AUTHORS

\*\* Participant in student poster competition

2. *Pseudosclerotial survival of Monilinia vaccinii-corymbosi (mummy berry disease) in western Oregon* - Jay Pscheidt
3. *Search of a biorational alternative program to chemical soil fumigation for control of wilt diseases in chile pepper in New Mexico* - Phillip A. Lujan
4. *Assessment of a weather-based disease management system for coffee rust control* - Fernando Hinnah
5. *Antifungal activity of volatiles emitted by bacteria isolated from the avocado rhizosphere* - Akif Eskalen
6. *Molecular characterization of Citrus tatter leaf virus isolates and their detection using a novel RT-qPCR assay* - Shurooq Abuhajar
7. *The Citrus Clonal Protection Program- CCPP* - Jinhwan Bae
8. *High-throughput RNA extraction and purification for citrus diagnostics* - Amy Huang
9. *Comparison of three RNA extraction methods for RT-qPCR citrus diagnostics* - Silva Abdulnour
10. *Development of a rapid nanopore diagnostic system (RNDS) for plant pathogens of wheat* - Erin Gunnink Troth
11. *Integrated control of Citrus Huanglongbing (HLB) with trunk injection of plant activators and antibiotics* - Jiahuai Hu
12. *\*\*Grower fungicide use patterns for control of gray mold and powdery mildew of strawberry in California* - Scott D. Cosseboom
13. *Comparing methods for inducing root rot of Rhododendron with Phytophthora cinnamomi and P. plurivora* - Angie Mestas
14. *\*\*An assessment of plant parasitic nematodes associated with Montana's wheat and barley fields* - Riyadh Al-Khafaji
15. *Mating types A1 and A2 of different Phytophthora spp. occurring in ornamental nurseries in Mexico* - Alejandro Soto-Plancarte
16. *New reports of downy mildew found on ornamental and native hosts in the western states* - Melodie Putnam

17. *The Citrus Clonal Protection Program- CCPP* - Jinhwan Bae
18. *Screening of U.S. mni-core for resistance against Sclerotinia Blight using the detached leaflet and whole plant inoculation methods* - Naveen Puppala
19. *Molecular confirmation of homothallism in Claviceps purpurea* - Jeness Scott
20. *Influence of reactive oxygen species on induction of the Rcs phosphorelay in Pantoea stewartii* - Polrit Viravathana
21. *Effect of light on sporulation and gene expression in the oomycetes Phytophthora infestans and Phytophthora capsici* - Andrea Vu
22. *Identification of important regulatory components of host natural defense against Citrus HLB* - Chien Yu Huang