

**APS- Pacific Division Virtual Meeting, June 16-18, 2021  
PROGRAM SCHEDULE**

**EXECUTIVE COMMITTEE**

President – Akif Eskalen, University of California Davis, CA

President-Elect – Jeremiah Dung, Oregon State University, OR

Secretary-Treasurer – Jane Stewart, Colorado State University, CO

Divisional Forum Representative – Walt Mahaffee, USDA-ARS, Corvallis, OR

Past President – Inga Zasada, USDA-ARS. Corvallis, OR

Past President - Jose Ramon Urbez-Torres, Agriculture and Agri-Food, Canada

**2020 GRADUATE STUDENT PRESENTATION COMPETITION**

1<sup>st</sup> place: Sara García Figuera, University of California, Davis

2<sup>nd</sup> place: Lourena Arone, University of Arizona

3<sup>rd</sup> place: Vishnutej Ellur, Washington State University

**ELECTED OFFICERS**

President– Christina Hagerty, President Elect

Divisional Forum Representative Jose Ramon Urbez-Torres, Agriculture and Agri-Food, Canada

Secretary-Treasurer – Karen Ferreira da Silva

**EARLY CAREER AWARD**

-Jane Stewart, Colorado State University, CO

-Jose Ramon Urbez-Torres, Agriculture and Agri-Food, Canada

**Wednesday June 16<sup>th</sup>**

**8:00-8:15 AM Introduction to the meeting**

**8:15-8:45 AM APS Update (APS President Mark Gleason)**

**8:45-10:15 AM Symposium: Detection and Diagnostics of Emerging and Invasive Diseases**

<b>Moderator: Jeremiah Dung</b>		
<b>8:45 AM</b>	Dr. Lynn Carta, USDA-ARS	Visualizing and detecting nematodes in North American Beech Leaf Disease
<b>9:15 AM</b>	Dr. Mohammad Arif, University of Hawaii at Manoa	Minimum standards for publication of diagnostic assays: Required or optional for next-generation diagnostics?
<b>9:45 AM</b>	Dr. Loretta Winton, USDA Forest Service	Topic TBA

**10:15-10:30 AM Break**

**10:30-1:00 PM Etiology and Epidemiology**

<b>Moderator: Sampson Li, UC Davis</b>		
<b>10:30 AM</b>	Jessa Ata, Colorado State University; University of the Philippines Los Baños	Development of specific PCR-based markers for the identification and detection of needle cast pathogens on <i>Pinus contorta</i> and <i>P. flexilis</i> in the USA ( <b>Student Competition</b> )
<b>10:45 AM</b>	Sampson Li, UC Davis	Elucidating the disease cycle of <i>Calosphaeria pulchella</i> , a major fungal canker pathogen of sweet cherry in California ( <b>Student Competition</b> )
<b>11:00 AM</b>	Connel Ching'anda, University of Arizona	Intra- and interspecific variation in outcomes of competition between <i>Aspergillus</i> section <i>Flavi</i> species co-infecting maize and groundnuts ( <b>Student Competition</b> )
<b>11:15 AM</b>	Jonathan Beutler, UC Davis	Quantifying host range in the <i>Ralstonia solanacearum</i> IIB-4 clade ( <b>Student Competition</b> )
<b>11:30 AM</b>	Stratton Georgoulis, UC Davis	Type VI secretion system-associated genes are necessary for in planta fitness of plant-pathogenic <i>Ralstonia</i> spp. ( <b>Student Competition</b> )
<b>11:45 AM</b>	Collins Bugingo, Montana State University	Fusarium present as seed-borne inoculum in lentils ( <b>Student Competition</b> )

<b>12:00 PM</b>	John Dobbs, Colorado State University	Haplotype analysis of <i>Fusarium</i> spp. collected from conifer tree nurseries of the contiguous U.S.A. <b>(Student Competition)</b>
<b>12:15 PM</b>	Qing Bai, WSU	Molecular characterization of international collections of wheat stripe rust pathogen <i>Puccinia striiformis</i> f. sp. <i>tritici</i> <b>(Student Competition)</b>
<b>12:30 PM</b>	Fangjie Yao, Triticeae Research Institute, Sichuan Agricultural University	Genome-wide association analysis of stripe rust resistance in a Chinese wheat landrace panel with 660K single-nucleotide polymorphism arrays <b>(Student Competition)</b>
<b>12:45 PM</b>	Marwa Neyaz, New Mexico State University	Localization of the fungus <i>Chaetothyriales</i> sp. ( <i>Ascomycota</i> ) within its host <i>Ipomoeacarnea</i> ( <i>Convolvulaceae</i> ) symbiosis <b>(Student Competition)</b>

**1:00-2:00 Lunch break**

**2:00-3:45 PM Soilborne Pathogens**

<b>Moderator:</b> Dr. Olga Kozhar, Colorado State University		
<b>2:00 PM</b>	Kelley Paugh, UC Davis	Effect of rotation crops on survival of <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> race 3 and development of Fusarium wilt in California processing tomato
<b>2:15 PM</b>	Lauri Reinhold, OSU	Survey of nematode-transmitted viruses and vectors of small fruit crops in the Pacific Northwest (USA)
<b>2:30 PM</b>	Chuntao Yin, WSU	Rhizosphere community selection reveals bacteria associated with reduced root disease
<b>2:45 PM</b>	Olga Kozhar, Colorado State University	Population structure and pathways of spread of an emerging tree root pathogen <i>Phellinus noxius</i> in Southeast Asia, Australia, and the Pacific Islands
<b>3:00 PM</b>	Johanna Del Castillo Munera, UC Davis	Evaluating the efficacy of <i>Phytophthora</i> detection methods to support restoration nurseries best management practices
<b>3:15 PM</b>	Christina Hagerty, OSU	Detection of Soilborne wheat mosaic virus using hyperspectral imaging: from lab to field scans and from hyperspectral to multispectral data
<b>3:30 PM</b>	Jeremiah Dung, OSU	Effect of inoculum density on Verticillium wilt responses in commercially-grown <i>Mentha</i> species and cultivars

**Thursday June 17<sup>th</sup>**

**8:30-10:30 AM Cultural and Biological Control**

<b>Moderator:</b> Robert Blundell, UC Davis		
<b>8:30 AM</b>	Joseph Opoku, USDA Agricultural Research Service	Distributions of two aflatoxin biocontrol product active ingredients in corn from the southern U.S.
<b>8:45 AM</b>	Robert Blundell, UC Davis	Evaluation of grapevine derived microbes for sustainable pruning wound protection against grapevine trunk diseases ( <b>Student Competition</b> )
<b>9:00 AM</b>	Alexander Wong, OSU	Illuminating grape disease management: Germicidal ultraviolet light as a tool to suppress powdery mildew ( <b>Student Competition</b> )
<b>9:15 AM</b>	Carmen Murphy, Montana State University	Impact of rotational crops on <i>Aphanomyces</i> root rot of pulses ( <b>Student Competition</b> )
<b>9:30 AM</b>	Alejandro Hernandez, UC Davis	Assessing the relative tolerance of pistachio rootstocks to <i>Phytophthora</i> species in California ( <b>Student Competition</b> )
<b>9:45 AM</b>	Jinxz Pollard-Flamand, Agriculture and Agri-Food Canada, Summerland Research and Development Centre; University of British Columbia Okanagan	Biological control of fungi causing <i>Botryosphaeria</i> dieback of grapevines in British Columbia ( <b>Student Competition</b> )
<b>10:00 AM</b>	Lindsey Pedroncelli, UC Riverside	The role of irrigation in disease development and management of <i>Macrophomina</i> charcoal rot on strawberries ( <b>Student Competition</b> )

**10:15-10:30 AM Break**

**10:30-11:45 AM Chemical Control and Fungicide Resistance**

<b>Moderator:</b> Sarah Lowder, OSU		
<b>10:30 AM</b>	Sean Wright, Colorado State University	Testing efficacy of canopy sprays against the <i>Cytospora</i> canker pathogen, <i>Cytospora plurivora</i> , following freeze damage on peaches in Colorado ( <b>Student Competition</b> )
<b>10:45 AM</b>	Sarah Lowder, OSU	Spatial and temporal trends in G143A caused QoI resistance in <i>Erysiphe necator</i> across the growing season in the Western US ( <b>Student Competition</b> )

<b>11:00 AM</b>	Albert Nguyen, UC Riverside	Propiconazole resistance in <i>Geotrichum citri-aurantii</i> causing sour rot in California citrus packinghouses <b>(Student Competition)</b>
<b>11:15 AM</b>	Chelsea Newbold, OSU	The fitness differences of quinone outside inhibitor fungicide resistant <i>Erysiphe necator</i> <b>(Student Competition)</b>
<b>11:30 AM</b>	Monica Hernandez, OSU Southern Oregon Research and Extension Center	Evaluating <i>Botrytis cinerea</i> sensitivity towards fungicides commonly used in pear orchards

**12:15-1:30 PM Lunch, Graduate Student Competition Judges Meeting**

**1:30-2:45 PM. Careers 101 “Strategic Conversations 101”**

<b>Moderator: Christopher Wallis</b>		
<b>1:30 PM</b>		CVs101 Introduction/Overview and Tips Presentation
<b>1:55 PM</b>		Break for transition
<b>2:00 PM</b>		Break out session Part 1
<b>2:20 PM</b>		Break for transition
<b>2:25 AM</b>		Break out session Part 2
<b>2:45 PM</b>		Whiteboard together/summarize thoughts
<b>2:50 PM</b>		Course evaluation/final thoughts

**3:00-4:30 PM Meet the industry**

Join plant pathologists working in industry within the areas of Discovery, Development, and Commercialization to hear about their jobs and experience. The session format will be a panel-style Q+A, with opportunities for participant submitted questions and both live and in-chat discussion.

Coordinated by the Office of Private Sector Relations (OPSR) board

Moderator: Stacey Swanson, FMC Corporation

Panel:

Sierra Hartney, Pathology Senior Manager, Sakata Seed America

Kenny Seebold, Product Development Manager—Seed Treatment, Valent USA, LLC

Safira Sutton, Microbial Discovery Scientist, Boost Biomes

Karen Ferreira da Silva, Field Scientist, Corteva Agriscience

Kianna Wilson, US Fungicide Product Manager, FMC Corporation

**Friday June 18<sup>th</sup> 10 AM- 1 PM (PST, virtual)**  
**Pacific Division APS 2020 Business Meeting Agenda**

- **Welcome and Introduction of officers (Akif)**
- **Necrology report and moment of silence (Akif)**
- **Secretary/Treasurer Report (Jane)**
- **Counselor Report (Walt)**
- **New/Old business (Akif)**

**2022 meeting location**

- **Awards (Jeremiah)**
- **Student competition winners (Akif)**
- **Induction of new officers (Akif)**
- **Adjourn (Jeremiah)**