

May 13-14, 2021

17th Biennial Meeting of the Florida Phytopathological Society



Hosted by:
UF/IFAS Department of Plant Pathology
Plant Pathology Graduate Student Organization (PPGSO)
UF/IFAS Citrus Research and Education Center
University of Florida

Virtual Meeting

Sponsors



SAKATA®

FMC

syngenta®

□ - BASF

We create chemistry

Thank you to our sponsors!

FPS Council



FPS President
Brantlee Spakes
Richter
bsr@ufl.edu



FPS Vice President
Liliana Cano
lmcano@ufl.edu



FPS Secretary
Hector Urbina Yanez
hector.urbina@fdacs.gov



FPS Treasurer
Phil Harmon
pfharmon@ufl.edu



**FPS Meetings
Coordinator**
Megan Dewdney
mmdewdney@ufl.edu

Event Personnel



**Virtual Meeting
Designer**
Joe Gasper
gasperj@ufl.edu



**Virtual Meeting
Designer**
Dewayne Hyatt
dehyatt@ufl.edu



Registration Manager
Sarah McCoy
sarahmccoy@ufl.edu



**Student Competition
Coordinator**
Ozgur Batuman
obatuman@ufl.edu



Program Designer
Jamie Burrow
jdyates@ufl.edu



Program Designer
Tonya Weeks
t.thompson1@ufl.edu

Event Personnel



**Graduate Student
Liaison and Social
Coordinator**
Renato Carvalho
renatocarvalho@ufl.edu



TEAMS Liaison
Morgan Byron
maconn00@ufl.edu



**PLANT PATHOLOGY
UF/IFAS**



**PLANT PATHOLOGY
GRADUATE STUDENT
ORGANIZATION**

UF | IFAS
UNIVERSITY of FLORIDA
Citrus Research and
Education Center

Agenda

Thursday, May 13, 2021

- 9:00 am **Welcome and introduction**
Keynote Session theme: Developing an online presence in Plant Pathology
- 9:15 am Keynote Speaker: Nicolas Champouret
Ball Horticulture
- 9:45 am Keynote Speaker: Edel Pérez-López
Université Laval
- 10:15 am Keynote Speaker: Romina Gazis-Seregina
University of Florida
- 10:45 am **Break**
- 11:00 am **Career Panel**
- 11:30 am **Career Panel Breakout Discussions**
(3 rounds, 20 minutes each)
- 12:30 pm **Lunch**
(options to socialize or watch the 3-minute poster videos)
- 1:30 pm **Poster Session** (All presenters in their poster rooms)
- 2:15 pm **Social Hour**
- 3:15 pm Adjourn for the day

Agenda

Friday, May 14, 2021

- 9:00 am **Oral Session 1:** Pathogen characterization and diversity
- 10:15 am **Oral Session 2:** Disease management and cultural control
- 11:30 am **Oral Session 3:** Changing pathogen landscape
- 12:30 pm **Lunch**
(meet in the virtual lounge for socializing over lunch)
- 1:30 pm **Presentation of Awards**
- 2:00 pm **Business Meeting**
- 3:00 pm **Social Hour**
- 4:00 pm **Meeting adjourns**

Virtual Meeting Rooms

General

This is the lobby of the conference center. Guests will find announcements, posts, bulletin boards, and meeting information here.

Meeting Sessions

This is the main meeting room; it is where all meeting sessions will be held.

Lounge

This is a space for socializing and holding side-meetings during the meeting; it is open throughout the meeting and social hour events will be held here.

Poster Info

This is the poster room; guests will find a guide to the posters with links to each presenter's space.

Virtual Meeting Rooms

Breakout Rooms

The Panelist breakout rooms are showing by default. They are marked with briefcases.

Hidden Channels

Direct access to each poster space, bypassing the poster info board. If you are a judge, you will also see a private room for the judges to meet.

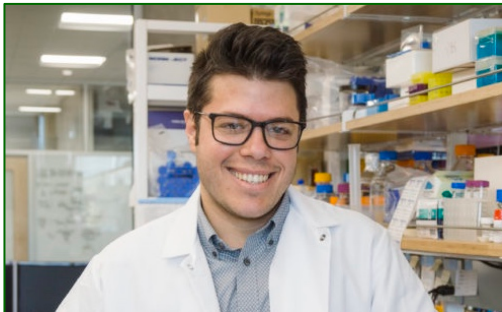
Tech Support

This is the help desk!

Keynote Speakers



Nicolas Champouret
Ball Horticulture



Edel Pérez-López
Université Laval



Romina Gazis-Seregina
University of Florida

Career Panelists



Bruna Balen Forcelini
Corteva Agriscience™
Fungicide Biologist and Recruiting Leader
for Crop Protection Discovery Biology



Byron Vega-Jimenez
FMC Corporation
Senior Research Investigator

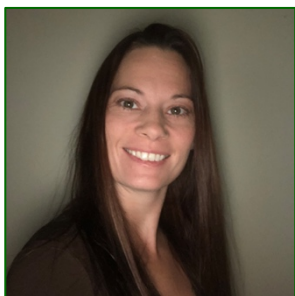


Max Teplitski
Produce Marketing Association
Chief Science Officer

Career Panelists



Avijit Roy
USDA-ARS NEA BARC
Molecular Biologist



Emily Kraus
FDACS
Biological Scientist



Kelly L. Ivors
Senior Plant Pathologist
Driscoll's

Poster Session

- ★ **Ashish Adhikari:** Suppression of *Bipolaris* leaf diseases using the common saprophytic fungus *Cladosporium*
- Romana Anjum:** *Ceratocystis manginecans*, cause of quick wilt of mango and guava in Pakistan
- ★ **Andre Bueno Gama:** Dispersal of *Colletotrichum acutatum* sensu lato: how far can it go?
- Emmanuel Gonfatee Cooper:** Evaluation of systemic acquired resistance (SAR) inducers for management of downy mildew (DM) on baby leaf kale
- ★ **Berea Etherton:** Regional network analysis to understand the effects of farmer management decisions on the avocado laurel wilt epidemic in Florida
- ★ **Michelle Espino:** Updated annotation of the phototransduction pathway in *Diaphorina citri* genome version 3.0 results in improved gene models
- ★ **Marie de Gracia Coquerel:** Impact of antibiotic spray on bacterial communities in conventional and organic citrus groves in Florida
- ★ **Douglas Harper Jr:** Identification of enzymes in a central metabolic pathway: Annotation and analysis of the Krebs cycle in *Diaphorina citri*
- ★ **Maryam Khalilzadeh:** Quantifying phloem callose formation in CTV-infected *Citrus macrophylla* trees
- Paulo Nakazawa:** Evaluation of various rates of potassium phosphite for management of downy mildew on baby leaf kale

★ Participating in the student poster competition

Poster Session

★ **Lucas de Oliveira:** Pathway revision of circadian rhythm gene models in *Diaphorina citri* genome 3.0 improves upon previous annotations

★ **Apekshya Parajuli:** Unique strains of *Xanthomonas perforans* isolated from Pepper in Taiwan

Aaron Plex: Geographic disease risk analysis for major crops of Central America and Mexico: regional analyses and global structures including cacao and tomato

Alina Puig: Development of a nested PCR for the detection of *Cacao mild mosaic virus*

★ Participating in the student poster competition

Oral Sessions

Oral Session 1: Pathogen characterization and diversity

9:00 am **Renato Carvalho**

Characterization of *Pseudomonas quasicaspiana*, *P. magnolii*, and *P. californiensis*, three novel species causing disease in ornamentals in California

9:15 am **Daniela Cardenas**

Functional annotation of the predicted proteome of the sugarcane rust fungal pathogen *Puccinia kuehnii*

9:30 am **Eva Liantina Mulandesa**

Diversity of *Phyllosticta* species associated with citrus in Florida

9:45 am **Salih Yilmaz**

Surveys for the presence of resistance-breaking orthotospoviruses in tomato fields in Florida

Oral Session 2: Disease management and cultural control

10:15 am **Manoj Choudhary**

Copper tolerant *Xanthomonas perforans* and tomato bacterial leaf spot management by magnesium-copper hybrid nanomaterials

10:30 am **Joshua Konkol**

Spatiotemporal production of tyloses in swamp bay (*Persea palustris*) during colonization by *Raffaelea lauricola*

10:45 am **Brett Lane**

Foliar fungicide application is associated with changes in the mycobiome on invasive grass

11:00 am **Sadikshya Sharma**

Rootstock specific interaction of Huanglongbing-affected citrus roots with irrigation water pH

Oral Sessions

Oral Session 3: Changing pathogen landscape

11:30 am

Kellee Britt

A new *Diaphorina citri*-associated reo-like virus in Asian citrus psyllid populations in Florida citrus groves

11:45 am

Austin Fife

Newly discovered hosts of *Orchid fleck dichorhavirus* in the Florida landscape

12:00 pm

Sruthi Sentil

Convolutional neural network approaches for smartphone-based rapid detection of tomato diseases

Business Agenda

Awards Ceremony

Career Service Award, presented to James H. Graham

Student Poster & Video Awards

Student Oral Presentation Awards

Business Meeting Agenda

Approval of the Minutes (2019 meeting minutes are posted in the General channel for review)

Volunteer and Sponsor Acknowledgement

State of the Society Report, Brantlee Spakes Richter

Treasurer's Report, Phil Harmon

Nominate and Elect Secretary for 2021-2023

Select Biennial Meeting site for 2023

Discussion of Even-Year Student Symposium

Business from the Floor

Passing of the Gavel



Florida Phytopathological Society
www.floridaphytopath.org