
Bruna Balen Forcelini

Address 14625 County Road 672, Wimauma, FL, 33598

Cell Phone 813-778-9445

Email bruna.forcelini@hotmail.com

EDUCATION

University of Passo Fundo, Passo Fundo, Brazil

Bachelor of Science in Agronomy, February 2011

University of Florida, Gainesville, Florida

Master of Science in Plant Pathology, December 2013

Doctor of Philosophy in Plant Pathology, January 2014 – May 2018

RESEARCH EXPERIENCE

Plant Pathology, University of Florida

Doctoral Degree

January 2014 – May 2018

- Analyzing at-risk fungicide patterns in strawberry nurseries and monitoring strawberry *Colletotrichum acutatum* sensitivity to Quinone-outside Inhibitor fungicides in nursery and production fields.
- Developing a rapid detection assay to determine whether *C. acutatum* isolates, when detected, are resistant to Quinone-outside Inhibitor fungicides.
- Investigating fitness, competitive ability, and mutation stability of fungicide resistant *C. acutatum* populations on strawberry.
- Developing a method to identify and screen fungicide resistance in populations of *Podosphaera aphanis*.

Cornell University

Research Internship

May – August 2015

- Worked with Dr. David Gadoury on in vitro methods to test strawberry and grape powdery mildew fungicide sensitivity.
- Designed molecular primers to detect strawberry powdery mildew resistance to commonly used fungicide groups.

University of Florida

- Evaluated the effect of inoculum concentration on the development of Anthracnose fruit rot on strawberry cultivars with different levels of susceptibility.
- Tested the effect of leaf wetness period and temperature on the development of Anthracnose fruit rot on different strawberry cultivars.

PEER-REVIEWED PUBLICATIONS

- Forcelini, B. B., Seijo, T. E., Amiri, A., and Peres, N. A. 2016. Resistance in Strawberry Isolates of *Colletotrichum acutatum* from Florida to Quinone-outside Inhibitor Fungicides. Plant Dis. doi: <http://dx.doi.org/10.1094/PDIS-01-16-0118-RE>
- Forcelini, B. B., Gonçalves, F. P., and Peres, N. A. 2017. Effect of Inoculum Concentration and Interrupted Wetness Duration on the Development of Anthracnose Fruit Rot of Strawberry. Plant Dis. doi:<http://dx.doi.org/10.1094/PDIS-08-16-1175-RE>
- Reviewer of research manuscripts and plant disease notes for Plant Disease journal.

COLLABORATION IN RESEARCH GRANTS

Florida Strawberry Research and Education Foundation

- Monitoring Fungicide Sensitivity of the Powdery Mildew and *Colletotrichum* Crown Rot Pathogens. 2016.
- Screening for Anthracnose and Botrytis Latent Infections and Fungicide Resistance for Improved Disease Control. 2016.

PRESENTATIONS

American Phytopathological Society Meeting, San Antonio, Texas

August 2017

Fitness, Competitive Ability and Mutation Stability of Strawberry *Colletotrichum acutatum* Isolates Resistant to Quinone-outside Inhibitor Fungicides

B. B. Forcelini, C. S. Rebello, and N. Peres

American Phytopathological Society Meeting, Tampa, Florida

July 2016

Monitoring *Colletotrichum acutatum* Resistance to Quinone-outside Inhibitor Fungicides in Strawberry

B. B. Forcelini and N. Peres

American Phytopathological Society Southern Division Meeting, Balm, Florida February, 2016
Influence of interrupted wetness periods on anthracnose fruit rot of strawberry
B. B. Forcelini and N. Peres

American Phytopathological Society Meeting, Pasadena, California August 2015
Resistance in strawberry isolates of *Colletotrichum acutatum* from Florida to Quinone-outside inhibitor fungicides
B. B. Forcelini, T. E. Seijo, A. Amiri, and N. A. Peres
Phytopathology 105(Suppl. 4):S4.45

American Phytopathological Society Meeting, Minneapolis, Minnesota August 2014
Effect of temperature and wetness duration on anthracnose fruit rot development on different strawberry cultivars
B. B. Forcelini and N. Peres
Phytopathology 104(Suppl. 3):S3.41

American Phytopathological Society Meeting, Austin, Texas August 2013
Effect of inoculum concentration on development of anthracnose fruit rot of strawberry cultivars in detached fruit and field experiments
B. B. Forcelini, F. P. Goncalves, and N. A. Peres
Phytopathology 103(Suppl. 2):S2.45

American Phytopathological Society Meeting, Providence, Rhode Island August 2012
Effect of inoculum concentration on the development of anthracnose fruit rot on flowers and fruit of different strawberry cultivars
B. B. Forcelini, F. P. Gonçalves, N. A. Peres
Phytopathology 102:S4.40

AWARDS

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- University of Florida, Graduate Student Council Travel Grant 2017
 - American Phytopathological Society Albert Paulus Student Travel Award 2017
 - 3rd place University of Florida – Gulf Coast Research and Education Center Graduate Student

- Travel Award 2016
- 2nd place Florida Phytopathological Society Meeting Student Competition 2013 and 2015
 - 2nd place Florida Ag Expo Student Poster Competition 2012, 2013 and 2014

REFERENCES

Dr. Natalia A. Peres

Professor, Plant Pathology

University of Florida

Email: nperes@ufl.edu

Dr. Seonghee Lee

Assistant Professor,

Strawberry Molecular Genetics and
Genomics

University of Florida

Email: seonghee105@ufl.edu

Dr. David M. Gadoury

Senior Research Associate,

Plant Pathology and Plant-Microbe Biology

Cornell University

Email: dmg4@cornell.edu

Dr. Lance Cadle-Davidson

Plant Pathologist

Grape Genetics Research Unit, USDA, ARS

Email: lance.cadledavidson@ars.usda.gov