

Amanda L Strayer-Scherer

Graduate Research Assistant

University of Florida

Plant Pathology Department

PO Box 110680,

Gainesville, FL 32611-0680

rouge17@ufl.edu

<https://sites.google.com/site/amandalstrayer1/>

Research Interests

Currently working on a Doctoral Degree in Plant Pathology at the University of Florida and focusing on the diagnostic and disease management strategies of bacterial spot of tomato caused by four distinct *Xanthomonas* species.

Professional Preparation

8/2014 M.S. Plant Pathology, University of Florida

5/2010 B.S. Microbiology and Cell Sciences, University of Florida

12/2007 A.A. Biological Sciences, Santa Fe College

Professional and Teaching Experience

8/2016-12/2016 Teaching Assistant: *Bacteria Biotechnology and Informatics (PLP6905)*, University of Florida

8/2014-12/2014 Teaching Assistant: *Fungal Biology (PLP6656C)*, University of Florida

8/2010-8/2012 *OPS Laboratory Technician IV*, Florida Department of Agriculture and Consumer Services, Division of Plant Industry, Plant Pathology Department.

8/2009-12/2009 Teaching Assistant: *Intro. Microbiology Lab (MCB3020L)*, University of Florida

Peer Reviewed Publications

Strayer, A., Jeyaprakash, A., Minsavage, J., Timilsina, S., Vallad, G. E., Jones, J. B., and Paret, M. L. **2016**. A Multiplex Real-Time PCR Assay Differentiates Four *Xanthomonas* Species Associated with Bacterial Spot of Tomato. *Plant Disease*. 100:1660-1668.

Strayer, A., Ocoy, I., Tan, W., Jones, J. B., and Paret, M. L. **2016**. Low Concentrations of a Silver-Based Nanocomposite to Manage Bacterial Spot of Tomato in the Greenhouse. *Plant Disease*. 100:1460-1465.

Ivey, M. L., **Strayer, A.**, Sidhu, J. K., and Minsavage, G. V. **2016**. Bacterial Leaf Spot of Tomato (*Solanum lycopersicum*) in Louisiana is Caused by *Xanthomonas perforans*, Tomato Race 4. *Plant Disease*. 100:1233.

Ivey, M. L., **Strayer, A.**, Sidhu, J. K., and Minsavage, G. V. **2016**. Bacterial Leaf Spot of Bell Pepper (*Capsicum annuum*) in Louisiana is Caused by *Xanthomonas euvesicatoria* Pepper Races 1 and 3. *Plant Disease*. 100:853-853.

Potnis, N., Timilsina, S., **Strayer, A.**, Shantharaj, D., Barak, J. D., Paret, M. L., Vallad, G. E. and Jones, J. B. **2015**. Bacterial spot of tomato and pepper: diverse

Xanthomonas species with a wide variety of virulence factors posing a worldwide challenge. *Molecular plant pathology*. 16:907-920.

Kebede, M., Timilsina, S., Ayalew, A., Admassu, B., Potnis, N., Minsavage, G. V., Goss, E. M., Hong, J. C., **Strayer, A.**, Paret, M., Jones, J. B., and Vallad, G. E. **2014**.

Molecular characterization of *Xanthomonas* strains responsible for bacterial spot of tomato in Ethiopia. *European Journal of Plant Pathology*. 1-12

Strayer A, Garcia-Maruniak A, Sun X, Schubert T, and Sutton B. **2012**. First Report of *Pseudomonas cichorii* Causing Leaf Spot of Stevia Detected in Florida. *Plant Disease*. 96:1690

Abstracts & Non-Peer Reviewed Publications.

Strayer-Scherer, A., Liao, YY., Young, M., Sanatra, S, Jones, J.B., and Paret, M. L. **2016**. Three Novel Copper-Based Nanomaterials for Management of Bacterial Spot of Tomato. Tomato Disease Workshop.

Strayer-Scherer, A., Liao, YY., Young, M., Sanatra, S, Jones, J.B., and Paret, M. L. **2016**. Evaluation of Three Copper-Based Nanomaterials for Management of Bacterial Spot of Tomato. MISA Symposium.

Strayer-Scherer, A., Liao, YY., Ocsoy, I., Tan, W., Young, M., Santra, S, Jones, J.B., and Paret, M. L. **2016**. Advanced Nanomaterials for Management of Bacterial Spot of Tomato. APS Annual Meeting.

Strayer, A., Liao, YY., Ocsoy, I., Tan, W., Young, M., Santra, S, Jones, J.B., and Paret, M. L. **2015**. Advanced Nanomaterials for Management of Bacterial Spot of Tomato. Tomato Disease Workshop.

Strayer, A., Ocsoy, I., Tan, W., Jones, J. B., and Paret, M. L. **2015**. Superior Performance of a Silver Based Nanocomposite in Relation to Copper for Management of Bacterial Spot of Tomato in the Greenhouse. APS Annual Meeting.

Strayer A, Paret ML, Jones JB, and Jeyaprakash A. **2014**. Multiplex qPCR Assay for Detecting the Four Causal Agents of Bacterial Spot of Tomato. APS-CPS Joint Meeting.

Sun X, **Strayer A**, Jeyaprakash A, Jones D, and Schubert T. **2013** Distinct SNPs present in the ITS2 region of *Elsinoë australis* organisms detected from citrus in Florida. APS-MSA Joint Meeting.

Strayer A. (2012) Encyclopedia of Life: *Elsinoë fawcettii*
<http://eol.org/pages/1029119/details>

Awards, Memberships, Associations, and Positions

<u>5/2015</u>	F. A. Wood Memorial Award
<u>3/2015-present</u>	Alpha Epsilon Lambda (AEL) Graduate Honor Society Member
<u>8/2014-present</u>	University of Florida 2014 Graduate School Fellow
<u>8/2013-8/2014</u>	President of Plant Pathology Graduate Student Organization (PPGSO)
<u>8/2013-8/2014</u>	Photographer for University of Florida's Department of Plant Pathology Newsletter
<u>8/2013</u>	Awarded UF Graduate Student Council (GSC) Travel Grant
<u>8/2013-Present</u>	American Phytopathological Society (APS) Member

- 8/2012-8/2013 Secretary of Plant Pathology Graduate Student Organization (PPGSO)
8/2012-Present Plant Pathology Graduate Student Organization (PPGSO) Member

Presentations

- 11/2016 Three Novel Copper-Based Nanomaterials for Management of Bacterial Spot of Tomato. Tomato Disease Workshop 2106. *Oral Presentation.*
- 10/2016 Evaluation of Three Copper-Based Nanomaterials for Management of Bacterial Spot of Tomato. MISA Symposium 2016. Orlando, FL. *Poster presentation.*
- 8/2016 Advanced Nanomaterials for Management of Bacterial Spot of Tomato. 2016 APS Annual Meeting. Tampa, FL. *Invited Speaker.*
- 2/2016 Superior Nanomaterials for Management of Bacterial Spot of Tomato. Mid-Atlantic Fruit & Vegetable Convention. Hershey, PA. *Oral presentation. Invited Speaker.*
- 10/2015 Advanced Nanomaterials for Management of Bacterial Spot of Tomato. 30th Annual Tomato Disease Workshop. Baton Rouge, LA. *Oral Presentation.*
- 8/2015 Superior Performance of a Silver Based Nanocomposite in Relation to Copper for Management of Bacterial Spot of Tomato in the Greenhouse. 2015 APS Annual Meeting. Pasadena, CA. *Poster Presentation.*
- 6/2015 Superior Performance of a Silver Based Nanocomposite in Relation to Copper for Management of Bacterial Spot of Tomato in the Greenhouse. Gordon Research Conference: Nanoscale Science & Engineering for Agriculture & Food Systems. Waltham, MA. *Poster Presentation.*
- 3/2015 Evaluation of a silver-based nanocomposite for the management of bacterial spot of tomato. 2015 GAPP Conference. Savannah, GA. *Oral Presentation. Invited Speaker.*
- 1/2015 Diagnostic and Disease Management Strategies for Bacterial Spot of Tomato. University of Florida Plant Pathology Departmental Seminar. Gainesville, FL. *Oral Presentation.*
- 8/2014 Multiplex qPCR Assay for Detecting the Four Causal Agents of Bacterial Spot of Tomato. 2014 APS-CPS Joint Meeting. Minneapolis, MN. *Oral Presentation.*
- 8/2013 Distinct SNPs present in the ITS2 region of *Elsinoë australis* organisms detected from citrus in Florida. APS-MSA Joint Meeting. Austin, TX. *Poster Presentation.*

Extension and Outreach Activities

- 7/2016 Corporate Field Day, North Florida Research and Education Center, University of Florida, Quincy, FL.
- 6/2016 Plant Pathology Teacher Workshop, North Florida Research and Education Center, University of Florida, Quincy, FL.

References Upon Request