

**Jeannie Klein**  
**jeannie.klein123@gmail.com**

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**PROFILE:**

Enthusiastic, ambitious and dedicated graduate student seeking a position to continue working on plant pathology solutions that impact the world economy. Specific desire to study microbial interactions with other biotic and abiotic features of the environment and how these interactions impact pathology.

**EDUCATION:**

- 2016–present **University of Florida, Plant Pathology Ph.D.** (GPA: 4.0)  
Advisors: Drs. Erica Goss, Jeff Jones, Gary Vallad  
Project: TBD
- 2012–2016 **Oregon State University, B.S. with Honors, Botany, Microbiology** (GPA: 3.86)  
Honor's Advisor: Dr. Virginia Stockwell  
Honor's Project: Contribution of native plasmids to fitness of *Pantoea vagans* C9-1, a biological control agent for fire blight of apple and pear
- 2008–2012 **McMinnville High School** (GPA: 4.0)

**WORK EXPERIENCE:**

- 2013–2016 **Lab Assistant and Student Researcher**, Advised by Dr. Virginia Stockwell, Dr. Joyce Loper Laboratory, USDA-ARS Horticultural Crops Research Unit
- Field study design, inoculation, collection, and analysis
  - Antibiosis assays
  - Reporter gene constructs to monitor antibiotic biosynthesis gene expression
  - Motility assays
  - PCR reactions and gel electrophoresis with genomic DNA

**SCHOLARSHIPS AND HONORS:**

- 2016 Magna Cum Laude, graduation honor, Oregon State University (OSU)
- 2012–2016 Presidential Scholar, OSU
- 2012–2016 Dean's List, OSU College of Agricultural Science
- 2015 'Best Presentation' Award Winner, Undergraduate Colloquium, OSU Microbiology Dept.
- 2015 Poster Huddle presenter, American Phytopathological Society National Conference
- 2015 Experiential Award recipient for travel to APS National Conference, OSU Honor's College
- 2015 Travel award recipient, OSU Microbiology Dept. for American Society for Microbiology National Conference
- 2015, 2016 Outstanding Senior Award, Bill & LaRea Johnston, OSU Botany & Plant Pathology Dept.
- 2015 Kathryn Tinnesand Memorial Scholarship, OSU Microbiology Dept.
- 2014–2015 Merrill Family Foundation Scholarship, OSU College of Science
- 2013–2015 Helen Alfred Hayes Women in Microbiology Scholarship, OSU Microbiology Dept.
- 2013 Thomas C. Moore Memorial Scholarship, OSU Botany & Plant Pathology Dept.
- 2013–2014 Wayne & Joann Chambers Agriculture Scholarship, OSU College of Agricultural Science
- 2014 Charles & Helen Fulton Memorial Scholarship, OSU Botany & Plant Pathology Dept.
- 2012–2015 Scholarship recipient, Oregon Association of Nurseries
- 2012–2014 Scholarship recipient, McMinnville Garden Club
- 2012–2015 Scholarship recipient, Yamhill County Master Gardeners Association
- 2013–2014 Scholarship recipient, Pioneer District Garden Clubs

- 2013 Middlekauf Scholarship, OSU Microbiology Dept.  
 2013 Scholarship recipient, Benton County Master Gardeners  
 2013 Scholarship recipient, Yamhill County Women for Agriculture Scholarship  
 2012 Jiffy Lube 'What Drives You?' regional competitive essay scholarship awardee  
 2012 Scholarship recipient, Walnut City Kiwanis  
 2012 Scholarship recipient, McMinnville Lions Club  
 2012 Scholarship recipient, McMinnville Rotary Club  
 2012 Scholarship recipient, McMinnville Grange  
 2012 Valedictorian, McMinnville High School

**ACADEMIC INVOLVEMENT:**

- 2016–present Member, **UF Plant Pathology Graduate Student Organization**  
 Outreach Committee Chair 2016—present  
 2012–2016 Member, **OSU Botany & Plant Pathology Undergraduate Club**  
 President 2015–2016, Vice President 2013–2015, Secretary 2014–2015  
 2012–2016 Member, **OSU Microbiology Student Association**  
 Volunteer, OSU Discovery Days & various elementary school Science Nights  
 2012–2016 Member, **OSU University Honors College Student Association**  
 Volunteer, various community and Honors College connect activities  
 2014–2015 Committee Chair, **OSU Botany & Plant Pathology Dept. Fall BBQ Planning Committee**  
 2015 **Student Teaching Evaluation Committee**, OSU Microbiology Dept.  
 2015 **Teacher's Assistant**, General Microbiology Laboratory, OSU Microbiology Dept.

**POSTERS AND PRESENTATIONS:**

- 2016 Poster Presenter, **American Phytopathological Society National Conference**  
 Klein, J., Stockwell, V., Loper, J. Amino acids influence antibiotic production by *Pantoea vagans* strain C9-1  
 2016 Presentation (Stockwell), **International Symposium on Fire Blight of Rosaceous Plants**  
 Klein, J. M., Loper, J. E., Johnson, K. B., Stockwell, V. O. Contribution of native plasmids to fitness and biocontrol efficacy of *Pantoea vagans* strain C9-1 in apple and pear orchard trials  
 2016 Poster, **International Symposium on Fire Blight of Rosaceous Plants**  
 Klein, J. M., Loper, J. E., Stockwell, V. O. Influence of *Pantoea vagans* strain C9-1 plasmids on phenotypes associated with epiphytic fitness  
 2016 Poster, **International Symposium on Fire Blight of Rosaceous Plants**  
 Klein, J. M., Loper, J. E., Stockwell, V. O. Nutritional environment influences transcription of the Pantocin A promoter in *Pantoea vagans* strain C9-1  
*Pantoea vagans* strain C9-1  
 2015 Poster Presenter, **American Phytopathological Society National Conference**  
 Klein, J., Stockwell, V., Loper, J. Influence of native plasmids to fitness of *Pantoea vagans* strain C9-1  
 2015 Presentation, **Microbiology Dept. Colloquium**  
 Klein, J. Contribution of native plasmids to the fitness of *Pantoea vagans* C9-1 on flowers

- 2014 Presentation, **OSU Undergraduate Research Symposium**  
Klein, J. Contribution of native plasmids to the fitness of *Pantoea vagans* C9-1 on flowers  
*Video recording available via YouTube: "Jeannie Klein at the 2014 OSU Symposium"*

**PUBLICATIONS:**

- (Thesis) Klein, J. M. 2016. Contribution of native plasmids to fitness of *Pantoea vagans* C9-1, a biological control agent for fire blight of apple and pear. URI: <http://hdl.handle.net/1957/59083>.
- Klein, J., et al. 2015. Draft genome of *Erwinia billingiae* OSU19-1 isolated from a pear tree canker. *Genome Announcements* 3(5):e01119-15.

**PROFESSIONAL SOCIETIES MEMBERSHIP:**

- 2014–present American Phytopathological Society, Attended 2015 & 2016 National conferences  
Member, Committee for Diversity and Equality  
Member, Bacteriology Committee  
Member, Graduate Student Committee
- 2015–present American Society for Microbiology, Attended 2015 National conference

**COMMUNITY ACTIVITIES AND OUTREACH**

- 2013–2016 BodyPump™ Group Fitness Instructor, Dixon Recreation Center, OSU
- 2012–2016 Volunteer with OSU Microbiology Student Association for Discovery Days, a bi-annual science outreach program for elementary-aged children, organized by OSU.
- 2012–2016 Organize and volunteer with OSU Botany & Plant Pathology undergraduate club at various elementary school Science Nights and OSU Agricultural Day programs.
- 2010–2015 Volunteer for McMinnville Chamber of Commerce Turkey Rama BBQ. Event encourages awareness of community heritage and unity.
- 2010–2015 Volunteer for Dairy Women of Oregon ice cream booth at Oregon State Fair. Annual activity to raise money to help promote awareness of the Oregon dairy and agricultural industries, as well as for scholarships sponsored by the organization.
- 2014–2015 Volunteer for Science Nights at various elementary schools and a Cub Scout Lock-in, with both Botany & Plant Pathology Club and Microbiology Student Association. Teach children the wonders of plants and microbes with interactive and hands-on exhibits.
- 2011–2012 Gardening Assistant, French Prairie Perennials
- 2010–2012 Volunteer, McMinnville Public Library. Group leader for various children's activities, teaching reading skills and acquainting kids with what the library does and can do for them. Organize children's section books.
- 2011 Teen Representative, McMinnville Public Library Strategic Planning Committee. Collaborating with various representatives of the community to develop long-term goals for the Public Library based on various community needs.
- 2010 Group Leader, McMinnville STARS Kids on the Block Day Camp. Lead children in various activities, promote learning and positive interactions between peers.