

Jeannie Klein-Gordon
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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: Using bacteriocins to understand the recent shift in *Xanthomonas* bacterial spot of tomato populations in Florida via phenotypic expression and genome sequence analyses

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

PUBLICATIONS:

(Accepted) Klein, J. M., Loper, J. E., Stockwell, V. O. Influence of *Pantoea vagans* strain C9-1 plasmids on phenotypes associated with epiphytic fitness. *Journal of Plant Pathology*.

(Accepted) Klein, J. M., Wong, P., Loper, J. E., Stockwell, V. O. Nutritional environment influences transcription of *paal* in the pantocin A operon in *Pantoea vagans* strain C9-1. *Journal of Plant Pathology*.

(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.

POSTERS AND PRESENTATIONS:

2017 Poster Presenter, **American Phytopathological Society National Conference**
Klein, J. M., Timilsina, S., Abrahamian, P., Minsavage Jr., G. V., Potnis, N., Jones, J. B., Vallad, G. E., Goss, E. M. Whole genome sequences reveal polymorphisms in bacteriocin genes of *Xanthomonas perforans* in Florida

- 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 promotor 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"

PROFESSIONAL SOCIETIES MEMBERSHIP:

- 2014–present American Phytopathological Society (APS), Attended 2015–2017 National conferences
Member, Bacteriology Committee
Member, Graduate Student Committee
Art in Phytopathology subcommittee: Member (2016–present), Chair (2017–2018)
Member, Committee for Diversity and Equality
Member, Biological Control Committee
- 2015–present American Society for Microbiology (ASM), Attended 2015 National conference

SCHOLARSHIPS AND HONORS:

- 2017 Dennis H. Hall and Larry Wallace Moore Student Travel Award, APS Foundation, for travel to APS National Conference
- 2017 UF Plant Pathology Graduate Student Organization and Plant Pathology Dept. Student Travel Award, for travel to APS National Conference
- 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, APS National Conference
- 2015 Experiential Award recipient for travel to APS National Conference, OSU Honor's College

- 2015 Travel award recipient, OSU Microbiology Dept. for ASM National Conference
- 2015, 2016 Outstanding Senior Award, Bill & LaRea Johnston, OSU Botany & Plant Pathology Dept.
- 2015 Kathryn Tinneland 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), Fundraising Committee Co-Chair (2017)
- 2017 **Teacher’s Assistant**, Field Plant Pathology, UF Plant Pathology Dept.
- 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
- 2014–2016 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.

COMMUNITY ACTIVITIES AND OUTREACH:

- 2017 Organize “Plants get sick too!” middle and high school teacher workshops at UF Gainesville campus, Plant Pathology Department, to teach Florida educators about plant pathology.
- 2017 Volunteer with UF Plant Pathology Graduate Student Organization for Gator Encounter, an annual event where middle and high school students learn about UF programs.
- 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.