

PHILLIP L. VINES

CAMPUS

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PERMANENT

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Philadelphia, MS 39350
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phillip.vines621@gmail.com

EDUCATION

2012 – Present

Mississippi State University, Starkville, MS

Master of Science - Plant Pathology

Minor Concentrations – Biochemistry, Statistics

Thesis: “Evaluation of ultradwarf bermudagrass cultural management practices and identification, characterization, and pathogenicity of ectotrophic root-infecting fungi associated with summer decline of ultradwarf bermudagrass putting greens”

Anticipated Graduation: Spring 2015

2008 - 2011

Mississippi State University, Starkville, MS

Bachelor of Science – Agronomy, specialty concentrations in Golf and Sports

Turfgrass Management

Minor Concentration – Business

2006 – 2008

East Central Community College, Decatur, MS

Associate of Science

PROFESSIONAL EXPERIENCE

Graduate Research Assistant – Department of Biochemistry, Molecular Biology, Entomology, and Plant Pathology, Mississippi State University, Starkville, MS

January 2012 - Present

- Designed and implemented research experiments for the evaluation of various cultural management practices on ultradwarf bermudagrass putting greens
- Collected, isolated, and characterized ectotrophic root-infecting fungi from colonized ultradwarf bermudagrass roots
- Performed turfgrass disease diagnostics via traditional and molecular methodologies
- Utilized Statistical Analysis Software (SAS) to analyze data
- Evaluated chemical and biological fungicides on warm-season turfgrass diseases
- Responsible for teaching laboratory sessions for the Turfgrass Diseases course, which enrolled 10-15 students

Field and Laboratory Technician - Turfgrass Pathology, Mississippi State University, Starkville, MS

January 2009 – December 2011

- Maintained turfgrass research plots
- Organized, planned, and conducted fungicide trials
- Responsible for upkeep of greenhouse plants
- Assisted the turfgrass pathologist and graduate students in laboratory and field exercises

Agronomy Intern - The Players Club at Sawgrass, Ponte Vedra Beach, FL

January - August 2011

- Miniverde ultradwarf bermudagrass greens management
- Fairway restoration
- Greens renovation with Pete Dye Construction
- Issued safety training sessions to crew members

Agronomy Intern - Charlotte Country Club, Charlotte, NC

May - August 2009

- AI-A4 bentgrass greens management
- Planning, calibration, and implementation of pesticide and fertilizer applications
- Topdressed fairways, roughs, greens, and tees
- Database collection and programming of Toro Site Pro irrigation control system
- Worked with the superintendent in the operation of a course-wide SubAir system

Professional Experience (continued)

Agronomy Staff - Dancing Rabbit Golf Club, Choctaw, MS

May - August 2008

- Performed daily tasks such as mowing greens, tees, fairways, and roughs
 - Aerified tees and putting surfaces
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TEACHING EXPERIENCE

Guest Lecturer – Introduction to Turfgrass Science (PSS 2113), 2014

- Supplied disease identification, control, and management tactics for use in golf course, sports fields, and home lawn scenarios

Laboratory Instructor - Turfgrass Diseases (EPP 4523/6523), 2012-2013

- Instructed students on proper diagnosis of turfgrass diseases and fungal identification
- Established and maintained turfgrass and fungal specimens for whole plant inoculations
- Maintained and organized teaching laboratory on a weekly basis

Guest Lecturer - Turfgrass Seminar (PSS 3411), 2012

- Presented lecture on turfgrass disease identification and management

Guest Lecturer – Special Topics in Plant and Soil Sciences (PSS 2990), 2013

- Provided students with an understanding of turfgrass disease identification, management, and control
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PRESENTATIONS

Oral

- Vines, P. L., Tomaso-Peterson, M., Hoffmann, F., Meyer, F. November 4, 2014. Species identification of novel ectotrophic root-infecting fungi associated with decline of ultradwarf bermudagrass. Crop Science Society of America annual meeting. Long Beach, CA.
- Vines, P. L., Tomaso-Peterson, M. Allen, T. W., Balbalian, C., Hoffmann, F. October 21, 2014. Discovery of six new species in Magnaporthaceae from ultradwarf bermudagrass roots collected throughout the southern United States. Mississippi Association of Plant Pathologists and Nematologists annual meeting. Mississippi State University, MS.
- Vines, P. L., Tomaso-Peterson, M., Allen, T. W., Hoffmann, F. August 12, 2014. Multilocus analysis reveals phylogenetic placement of novel ERI fungi within Magnaporthaceae of Ascomycota. American Phytopathological Society annual meeting. Minneapolis, MN.

Oral (continued)

- Vines, P. L. and Tomaso-Peterson, M. May 19, 2014. Identification and management strategies for pythium diseases of bentgrass and bermudagrass putting greens. Dancing Rabbit Golf Course Management Workshop. Choctaw, MS.
- Vines, P. L. and Tomaso-Peterson, M. May 6, 2014. A review of research conducted on ERI fungi in ultradwarf bermudagrass putting greens –and- Pythium diseases of ultradwarf bermudagrass and creeping bentgrass. Alabama Golf Course Superintendents Association Meeting. Tuscaloosa, AL.
- Vines, P. L. and Tomaso-Peterson, M. April 29, 2014. Emerging diseases of centipedegrass on home lawns in the Gulf Coast states. The University of Georgia's 68th annual Southeastern Turfgrass Conference. Tifton, GA.
- Vines, P. L., Tomaso-Peterson, M., Allen, T. W., Meyer, F., Hoffmann, F. February 3, 2014. An evolutionary assessment of ectotrophic root-infecting fungi isolated from ultradwarf bermudagrass roots. American Phytopathological Society – Southern Division annual meeting. Dallas, TX.
- Vines, P. L., Tomaso-Peterson, M., Allen, T. W., Stewart, B.R., Meyer, F., Dubien, J. November 4, 2013. Characterizing the ectotrophic root-infecting fungal populations responsible for declining ultradwarf bermudagrass putting greens. Crop Science Society of America annual meeting. Tampa, FL.
- Vines, P. L., Tomaso-Peterson, M., Allen, T. W., Stewart, B. R., Meyer, F., Dubien, J. October 22, 2013. A molecular and biological examination of ectotrophic root-infecting fungi isolated from roots of ultradwarf bermudagrass putting greens. Mississippi Association of Plant Pathologists and Nematologists annual meeting. Mississippi State University, MS.
- Vines, P. L., Tomaso-Peterson, M., Allen, T. W., Stewart, B. R., Meyer, F., Dubien, J. August 11, 2013. Characterization of ectotrophic root-infecting fungi isolated from ultradwarf bermudagrass (*Cynodon dactylon* × *C. transvaalensis*) root materials. American Phytopathological Society annual meeting. Austin, TX.
- Vines, P. L. June 25, 2013. Demonstration of cultural management instruments and evaluation tools used for putting green research. Mississippi Turfgrass Association Yard Dog Classic. Starkville, MS.
- Vines, P. L. May 20, 2013. Research Updates: (i) Cultivation practices for ultradwarf bermudagrass putting greens and (ii) ectotrophic-root infecting fungi isolated from ultradwarf bermudagrass roots. Dancing Rabbit Golf Course Management Workshop. Choctaw, MS.
- Vines, P. L., Tomaso-Peterson, M., Allen, T. W., Stewart, B. R., Meyer, F. February 9, 2013. Identification of ectotrophic-root infecting fungi in association with ultradwarf bermudagrass (*Cynodon dactylon* × *C. transvaalensis*). American Phytopathological Society – Southern Division annual meeting. Baton Rouge, LA.
- Vines, P. L. November 12, 2012. Evaluation of management strategies to promote plant health and reduce thatch and summer decline occurrences in ultradwarf bermudagrass putting greens. Mississippi Turfgrass Association Conference. Hattiesburg, MS.

Oral (continued)

- Vines, P. L. and Tomaso-Peterson, M. October 23, 2012. A Closer Look at the Root of the Problem of Ultradwarf Bermudagrass Putting Greens. Mississippi Association of Plant Pathologists and Nematologists annual meeting. Mississippi State University, MS.
- Vines, P. L., Tomaso-Peterson, M., Balbalian, C. August 6, 2012. Bermudagrass Putting Greens: A Closer Look at the Root of the Problem. American Phytopathological Society annual meeting. Providence, RI.
- Vines, P. L. June 19, 2012. Demonstration of instruments and devices used for putting green research. Mississippi Turfgrass Association Yard Dog Classic. Starkville, MS.
- Vines, P. L. May 14, 2012. Ultradwarf Bermudagrass Putting Green Research Updates. Dancing Rabbit Golf Course Management Workshop. Choctaw, MS.
- Vines, P. L., Tomaso-Peterson, M., Crouch, J. A., Balbalian, C. February 6, 2012. Diagnosis of centipedegrass anthracnose caused by *Colletotrichum eremochloae* sp. nov. American Phytopathological Society – Southern Division annual meeting. Birmingham, AL.

Poster

- Vines, P. L., Tomaso-Peterson, M., Allen, T. W. November 5, 2014. Pathogenicity evaluations of newly identified ectotrophic root-infecting fungi on ultradwarf bermudagrass. Crop Science Society of America annual meeting. Long Beach, CA.
 - Vines, P. L., Tomaso-Peterson, M., Stewart, B. R., Dubien, J. November 3, 2014. Cultural management practice appraisal for least disruptive thatch control in ultradwarf bermudagrass golf greens. Crop Science Society of America annual meeting. Long Beach, CA.
 - Vines, P. L., Tomaso-Peterson, M., Allen, T. W., Balbalian, C., Stewart, B. R. August 11, 2012. Distribution of ectotrophic root-infecting fungi associated with declining ultradwarf bermudagrass putting greens. American Phytopathological Society annual meeting. Minneapolis, MN.
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AWARDS & HONORS

2015

- Dr. James Watson Fellowship Grant, presented by TORO, Environmental Institute for Golf, and the Golf Course Superintendent Association of America

2014

- Ranked 1st out of 10 contestants in the Mississippi Association of Plant Pathologists and Nematologists Graduate Student Oral Presentation Competition
- Janell M. Stevens Johnk Student Travel Award for the American Phytopathological Society annual meeting in Minneapolis, MN.
- Yates/Jesco Scholarship
- Selected to serve as the graduate student representative for the Southern Division American Phytopathological Society
- Ranked 2nd out of 30 contestants in the American Phytopathological Society – Southern Division's Graduate Student presentation competition
- Certified Spinning ® Instructor
- First Aid, CPR, and AED certification
- QPR Gatekeeper Trainer certification

2013

- Recognized as the Outstanding Master's Student in the department of Entomology and Plant Pathology
- Chris Stiegler Graduate Student Travel Award for the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America annual meetings in Tampa, FL
- Travel grant recipient for the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America annual meetings in Tampa, FL.
- Ranked 1st out of 10 contestants in the Mississippi Association of Plant Pathologists and Nematologists Graduate Student Oral Presentation Competition
- Mississippi Association of Plant Pathologists and Nematologists' Frank Killebrew Memorial Scholarship
- Selected to serve as the graduate student representative for Mississippi Association of Plant Pathologists and Nematologists
- Ranked 2nd out of 35 contestants in the American Phytopathological Society – Southern Division's Graduate Student presentation competition

2012

- Selected to serve as the graduate student representative for Mississippi Association of Plant Pathologists and Nematologists

Awards and Honors (continued)

2011

- Mississippi Turfgrass Association Scholarship

2010

- Mississippi Turfgrass Association Scholarship
- Selected to participate in the inaugural collegiate experience at Toro University
- Mississippi Chapter of the ASA Scholarship
- William L. and Jean P. Giles Scholarship
- Agriculture 100 Club Scholarship
- Mississippi Seniors Golf Association Scholarship

2009

- Mississippi Turfgrass Association Scholarship
- Mississippi Seniors Golf Association Scholarship
- Trans-Miss Scholarship

PROFESSIONAL MEMBERSHIPS & AFFILIATIONS

- American Phytopathological Society
 - Turfgrass Pathology Committee, 2012 – present
 - Evolutionary Genetics and Genomics Committee, 2014 – present
 - Emerging Diseases and Pathogens Committee, 2014-present
 - American Phytopathological Society – Southern Division
 - Graduate Student Representative, 2014 - 2015
 - Mississippi Association of Plant Pathologists and Nematologists
 - Graduate Student Representative, 2012 – 2013
 - Mississippi State University Entomology and Plant Pathology Club
 - President, 2014 - 2015
 - Mississippi Turfgrass Association
 - Mississippi State University Turf Club
 - President, 2011 - 2012
 - Crop Science Society of America
 - Graduate Student Representative Committee, 2013-present
 - American Society of Agronomy
 - Soil Science Society of America
 - Golf Course Superintendent's Association of America
 - Gamma Sigma Delta
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VOLUNTEER EFFORTS

2013

- Collected, bottled, and sold honey for the MSU Entomology and Plant Pathology club
- Aided in insect identification and pinning at the 2013 BugFest held in Picayune, MS.
- Helped prepare, set up, and run the Entomology and Plant Pathology club's booth at weekly farmer's markets in Starkville, MS.

2012

- Viking Classic Golf Tournament, Annandale Country Club

2011

- Tornado Relief Project, Smithville High School Baseball Field
- John Deere Classic Golf Tournament, TPC Deere Run
- Cadillac Championship Golf Tournament, TPC Blue Monster at Doral

2010

- Viking Classic Golf Tournament, Annandale Country Club
- The Players Championship Golf Tournament, TPC Sawgrass

2009

- Hooter's Golf Tournament, Dancing Rabbit Golf Club

2008

- Viking Classic Golf Tournament, Annandale Country Club
 - Viking Classic Pro-Amateur Golf Tournament, Reunion Country Club
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REFERENCES

- **Allen, Tom** – Associate Extension/Research Professor, Plant Pathology. Mississippi State University, Mississippi State, MS. Phone – (662) 686-3272
 - **Baldwin, Brian** – Professor, Specialty/Alternative Crops. Mississippi State University, Mississippi State, MS. Phone – (662) 325-8862
 - **Breazeale, Clay** – Golf Course Superintendent. TPC Sawgrass, Ponte Vedra Beach, FL. Phone – (904) 333-2529
 - **DuBien, Jan** – Associate Professor, Statistics. Mississippi State University, Mississippi State, MS. Phone – (662) 325-7157
 - **Hoffmann, Federico** – Assistant Professor, Biochemistry and Molecular Biology. Mississippi State University, Mississippi State, MS. Phone – (662) 325-2640
 - **McBrayer, Brent** – Director of Agronomy. Dancing Rabbit Golf Club, Choctaw, MS. Phone – (601) 562-3721
 - **Meyer, Florencia** – Assistant Professor, Biochemistry. Mississippi State University, Mississippi State, MS. Phone – (662) 325-2640
 - **Munshaw, Gregg** – Professor, Turfgrass Science. University of Kentucky, Lexington, KY. Phone – (859) 257-5606
 - **Reynolds, Daniel** – Professor and Triplett Endowed Chair, Weed Science. Mississippi State University, MS. Phone – (662) 325-0519
 - **Stewart, Barry** – Associate Professor, Turfgrass Science. Mississippi State University, Mississippi State, MS. Phone – (662) 325-2725
 - **Szklinski, John** – Golf Course Superintendent. Charlotte Country Club, Charlotte, NC. Phone – (704) 507-0968
 - **Tomaso-Peterson, Maria** – Associate Research Professor, Plant Pathology. Mississippi State University, Mississippi State, MS. Phone – (662) 325-2593
 - **Varco, Jac** – Professor, Soil Science. Mississippi State University, Mississippi State, MS. Phone – (662) 325-2737
 - **Vlach, Tom** – Golf Course Superintendent. TPC Sawgrass, Ponte Vedra Beach, FL. Phone – (904) 228-7374
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RELATED COURSEWORK

Graduate

- Diseases of Crops
- Statistical Methods
- Design and Analysis of Experiments
- Advanced Design of Experiments II
- Plant Virology
- Next Gen Sequence Data Analysis
- General Biochemistry I & II
- Plant Metabolism
- Plant Breeding

Undergraduate

- Turfgrass Diseases
 - Plant Pathology
 - Plant Physiology
 - Turfgrass Management
 - Athletic Field Management
 - Golf Course Operations
 - Soils and Soil Fertility
 - Ornamental Turfgrass Insects
 - Design of the Golf Environment
 - Arboriculture
 - Plant Materials I
 - Introductory Weed Science
 - Herbicide Technology
 - Meteorology
 - Business Statistical Methods
 - Financial Accounting
 - Managerial Accounting
 - Business Law
 - Macroeconomics
 - Management and Production
 - Management Information Systems
 - Human Resource Management
 - Spanish I and II
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