

Felipe Dalla Lana da Silva
Ph.D. candidate
Graduate Research Associate (GRA)



The Ohio State University
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— Education —

The Ohio State University

Ph.D. Candidate
Plant Pathology
Jan 2015 - present

Dissertation Research: Risk Assessment and Management of Gibberella ear rot (*Fusarium graminearum*) of Maize in Ohio
Dr. Pierce A. Paul, Major Professor
Dr. Laurence V. Madden, Co-advisor

The Ohio State University

Master of Science
Plant Pathology
2018

Master's Degree Based on Candidacy Examination
Dr. Pierce A. Paul, Major Professor
Dr. Laurence V. Madden, Co-advisor

Federal University of Rio Grande do Sul

Master of Science
Agronomy
Porto Alegre, RS-Brazil
2013

Research Project: Models of the relationship between soybean rust severity and crop yield by meta-analysis
Dr. Emerson M. Del Ponte, Major Professor
Dr. Patrícia K. Ziegelmann, Co-advisor

Federal University of Santa Maria

Bachelor of Science
Agronomy
Santa Maria, RS-Brazil
2011

Research Project: Fusarium head blight intensity and impacts on barley as influenced by cultivars and inoculation methods
Dr. Ricardo S. Balardin, Major Professor

— Employment History —

The Ohio State University, Wooster, Ohio, USA

(Supervisor: Dr. Pierce A. Paul)

Visiting Scholar (May 2014 - December 2014)

Graduate Research Associate (January 2015 - Present)

Federal University of Rio Grande do Sul, Porto Alegre, RS, Brazil

(Supervisor: Dr. Emerson Medeiros Del Ponte)

Graduate Research Associate (March 2012 – December 2013)

Research Intern (March 2012 – December 2013)

Federal University of Santa Maria, Santa Maria, RS, Brazil

(Supervisor: Dr. Ricardo S. Balardin)

Research Intern (June 2007 – December 2011)

— Awards and Honors —

The Ohio State University

Presidential Fellowship

2019

American Phytopathological Society

Joseph Kuć Student Travel Award

2018

Corn Utilization & Technology ConferenceMycotoxin Student Poster Competition (2nd place)

2018

*Weather factors associated with Gibberella ear rot and vomitoxin accumulation in corn grains***Plant Pathology Graduate Student Association-OSU**

Travel Award

2019

Travel Award

2016

Federal University of Rio Grande do Sul

Thesis with distinction

2013

*Models of the relationship between soybean rust severity and crop yield by meta-analysis***Federal University of Santa Maria**

Selected abstract of undergraduate research at 24° JAI

2010

Effect of seed treatment on chlorophyll content of soybean

Selected abstract of undergraduate research at 24° JAI

2010

Influence of seed treatment on the growth of soybean plants

— Publications —

Peer-review journals

1. Cordova, L., **Dalla Lana, F.**, Paul, P. A., Peres, N., 2019. A quantitative synthesis of the efficacy and profitability of conventional and biological fungicides for Botrytis fruit rot management on strawberry in Florida. Plant Disease. *Manuscript Accepted* (April 17th, 2019)
2. **Dalla Lana, F.** Plewa, D., Phillippi, E., Garzonio, D., Hesterman, R., Kleczewski, N., Paul, P. A. 2019. First report of tar spot of maize (*Zea mays*), caused by *Phyllachora maydis*, in Ohio. Plant Disease. <https://doi.org/10.1094/PDIS-01-19-0070-PDN>.
3. Paul, P.A., Bradley, C., Madden, L.V., **Dalla Lana, F.**, et al. 2018. Effects of pre- and post-Anthesis applications of demethylation inhibitor fungicides on Fusarium head blight and deoxynivalenol in spring and winter wheat. Plant Disease 102:2500-2510. DOI: 10.1094/PDIS-03-18-0466-RE.
4. Paul, P.A., Bradley, C., Madden, L.V., **Dalla Lana, F.**, et al. 2018. Meta-analysis of the effects of QoI and DMI fungicide combinations on Fusarium head blight and deoxynivalenol in wheat. Plant Disease 102:2602-2615. DOI: 10.1094/PDIS-02-18-0211-RE.
5. Sylvester, P.N., **Dalla Lana, F.**, Mehl, H.L., et al. 2018. Evaluating the profitability of foliar fungicide programs in Mid-Atlantic soft-red winter wheat production. Plant Disease 102:1627-1637. DOI: 10.1094/PDIS-09-17-1466-RE
6. **Dalla Lana, F.**, Paul, P.A., Godoy, C.V., et al. 2018. Meta-analytic modeling of the decline in performance of fungicides for managing soybean rust after a decade of use in Brazil. Plant Disease 102:807-817. DOI: 10.1094/PDIS-03-17-0408-RE.

7. **Dalla Lana, F.**, Ziegelmann, P.K., Maia, A.H.N., et al. 2015. Meta-analysis of the relationship between crop yield and soybean rust severity. *Phytopathology*, 105:307-315. DOI: 10.1094/PHYTO-06-14-0157-R.
8. Tormen, N.R., **Dalla Lana da Silva, F.**, Debortoli, M.P., et al.. 2012. Drop deposition on canopy and chemical control of *Phakopsora pachyrhizi* in soybeans. *Revista Brasileira de Engenharia Agrícola e Ambiental*, 16: 802-808. DOI: 10.1590/S1415-43662012000700015
9. Balardin, R.S., **Dalla Lana da Silva, F.**, Debona, D., et al. 2011. Seed treatment with fungicides and insecticides reducing the hydric stress on soybean plants. *Ciência Rural*, 41: 1120-1126. DOI: 10.1590/S0103-84782011000700002.

Book chapters

1. Del Ponte, E. M., Dalla Lana, F. Avaliação de risco de doenças de plantas: conceitos e aplicações para decisões táticas e estratégicas no manejo. In: *Avanços na otimização do uso de defensivos agrícolas no manejo fitossanitário*. 1 ed. São Carlos : Suprema Gráfica e Editora, 2012, p. 237-257.

Other Publications

1. Soares, R. M.; Godoy, C. V.; Seixas, C. D. S.; Meyer, M. C.; Del Ponte, E. M.; Dalla Lana, F. Soja: imprevisive. *Cultivar Grandes Culturas*, Pelotas, p. 18 - 20, 01 mar. 2012.
2. Del Ponte, E. M.; Dalla Lana, F. Ferrugem asiática da soja: a passos lentos. *Revista Plantio Direto*, Passo Fundo - RS, p. 11 - 14, 02 jan. 2012.

Extension Newsletter

1. Paul, P. A. and Dalla Lana, F. 2018. Ear rots of corn: telling them apart. *Agronomic Crops Network - C.O.R.N Newsletter: Issue 2018-34*. <https://agcrops.osu.edu/newsletter/corn-newsletter/>
2. Paul, P. A., Dalla Lana, F. and Dorrance, A. 2016. Diplodia ear rot. *Agronomic Crops Network - C.O.R.N Newsletter: Issue 2016-30*. <https://agcrops.osu.edu/newsletter/corn-newsletter/>

— Presentations, Posters, Abstracts —

Invited Presentations

1. Dalla Lana, Felipe. 2019. Corn ear diseases: risk and Management. Invited Seminar, March 25, 2019. Department of Plant Pathology and Environmental Microbiology, College of Agricultural Science, Penn State University, State College, Pennsylvania.
2. **Dalla Lana, Felipe**. 2017. Corn ear diseases: risk and Management. Invited Seminar, February 17th, 2017. Master in Plant Health Management Program, College of Food, Agricultural, and Environmental Sciences, Wooster, Ohio.

Other Presentations, Posters, and Abstracts

1. **Dalla Lana, F.**; Minyo, R.; Thomison, P.; Madden, L.V.; Paul, P.A. Evaluating the stability of hybrid field maize reactions to *Gibberella* ear rot and deoxynivalenol across environment. International Congress of Plant Pathology (ICPP), 2018, Boston, MA, USA.

2. Cordova, L. G., **Dalla Lana, F.**, Paul, P. A., Peres, N. A. A Quantitative synthesis of the efficacy and profitability of conventional and biological fungicides for Botrytis fruit rot management on strawberry. International Congress of Plant Pathology (ICPP), 2018, Boston, MA, USA.
3. **Dalla Lana, F.**; Minyo, R.; Thomison, P.; Madden, L.V.; Paul, P.A. Weather factors associated with Gibberella ear rot and vomitoxin accumulation in corn grains. Corn Utilization & Technology Conference (CUTC), 2018, Saint Louis, MO, USA.
4. Paul, P.A.; **Dalla Lana, F.**, Minyo, R.; Thomison, P.; Madden, L.V. Increased the risk of Gibberella ear rot and deoxynivalenol in corn. Corn Utilization & Technology Conference (CUTC), 2018, Saint Louis, MO, USA.
5. **Dalla Lana, F.**; Robertson, A.E.; Bradley, C.A.; Smith, D.L.; Shah, D.A.; Wise, K.A.; Madden, L.V.; Esker, P.; Conley S.; Paul, P.A. A Meta-Analysis of maize yield response to azoxystrobin and propiconazole as influenced by foliar disease intensity and application timing. American Phytopathological Society Annual Meeting, 2017, San Antonio, TX, USA.
6. Bucker Moraes, W.B.; Dalla Lana, F.; Baik, B.K.; Schwarz, P.B.; Madden, L.V.; Paul, P.A. Modeling complex associations among weather, deoxynivalenol contamination, and Fusarium head blight in wheat. American Phytopathological Society Annual Meeting, 2017, San Antonio, TX, USA.
7. Dalla Lana, F.; Minyo, R.; Thomison, P.; Madden, L.V.; Paul, P.A. Weather patterns associated with Gibberella Ear Rot of Corn in Ohio. American Phytopathological Society Annual Meeting, 2016, Tampa, FL, USA.
8. Dalla Lana, F.; Minyo, R.; Thomison, P.; Madden, L.V.; Paul, P.A. Characterizing weather-based risk factors associated with Gibberella ear rot and vomitoxin in corn. Corn Utilization & Technology Conference (CUTC), 2016, Saint Louis, MO, USA.
9. **Dalla Lana, F.**; Godoy, C.V.; Paul, P.A.; Del Ponte, E.M. Meta-analytical synthesis of ten years of DMI and DMI + QoI fungicide trials for managing soybean rust in Brazil. American Phytopathological Society Annual Meeting, 2015, Pasadena, CA, USA.
10. Paul, P.A., Del Ponte, E.M.; **Dalla Lana, F.**, Ziegelmann, P.K., Madden, L.V. Meta-analysis in Plant Pathology: conceptual framework and case studies on wheat, maize and soybean diseases. 46 Congresso Brasileiro de Fitopatologia, 2013, Ouro Preto, MG, Brazil
11. **Dalla Lana, F.**, Ziegelmann, P.K., Maia, A.H.N., Godoy, C.V., Del Ponte, E.M. Meta-analytical models for studying the relationship between rust severity and soybean yield from uniform fungicide trial datasets. 46 Congresso Brasileiro de Fitopatologia, 2013, Ouro Preto, MG, Brazil
12. **Dalla Lana da Silva, F.**, Spolti, P., Balardin, R.S., Del Ponte, E.M. Severidade e danos de giberela em cultivares de cevada inoculadas em dois estádios reprodutivos. XLIV Congresso Brasileiro de Fitopatologia, 2011, Bento Gonçalves, RS, Brazil.
13. **Dalla Lana da Silva, F.**; Domingues, L. S.; GAI, R. P.; Cezar, H.S.; Stefanello, M. T.; Corte, G. D. Controle químico de ferrugem asiática em dez cultivares de soja. I Congresso de Iniciação Científica e Pós-Graduação, 2010, Florianópolis, SC, Brazil.
14. **Dalla Lana da Silva, F.**; Domingues, L. S.; Gai, R. P.; Cezar, H.S.; Stefanello, M. T.; Balardin, R. S. Penetração de luz no dossel vegetativo em 10 cultivares submetidas a 3 arranjos populacionais. I Congresso de Iniciação Científica e Pós-Graduação, 2010, Florianópolis, SC, Brazil.
15. **Dalla Lana da Silva, F.**; Balardin, R. S.; Cezar, H.S.; Dalla Corte, Gerson; Debortoli, M. P.; Gai, R. P. Estatura e comprimento radicular de plantas de soja submetidas a diferentes tratamentos de semente. 25ª Jornada Acadêmica Integrada - UFSM, 2010, Santa Maria, RS, Brazil.

16. Stefanello, M. T.; Balardin, R. S.; Maffini, F. S.; GAI, R. P.; **Dalla Lana da Silva, F.**; Madalosso, M. G. Número de legumes de soja afetados pelo espaçamento entre linhas e cultivares. 25ª Jornada Acadêmica Integrada - UFSM, 2010, Santa Maria, RS, Brazil.
17. Tormem, N. R.; **Dalla Lana da Silva, F.**; Corte, G. D.; Debona, D.; Favera, D. D.; Lenz, G. Controle químico de Puccinia recondita com e sem o uso de redutor de crescimento na cultivar de trigo ônix. XIII Simpósio de Ensino Pesquisa e Extensão (SEPE), 2009, Santa Maria, RS, Brazil.
18. **Dalla Lana da Silva, F.**; Debona, D.; Corte, G. D.; Stefanello, M. T.; Gai, R. P.; Tormem, N. R.; Balardin, R. S. Tratamento de sementes de soja em diferentes níveis de fertilidade sob o teor foliar de nutrientes. XIII Simpósio de Ensino Pesquisa e Extensão (SEPE), 2009, Santa Maria, RS, Brazil.
19. **Dalla Lana da Silva, F.**; Debona, D.; Corte, G. D.; Stefanello, M. T.; Gai, R. P.; Tormem, N. R.; Balardin, R. S. Efeito fisiológico do tratamento de sementes de soja em diferentes níveis nutricionais. XIII Simpósio de Ensino Pesquisa e Extensão (SEPE), 2009, Santa Maria, RS, Brazil.
20. Corte, G. D.; Debona, D.; Favera, D. D.; Meneghetti, R. C.; Tormem, N. R.; **Dalla Lana da Silva, F.**; Balardin, R. S. Fungicidas e número de aplicações no controle de cárie e manchas nos grãos na cultura do arroz. XIII Simpósio de Ensino Pesquisa e Extensão (SEPE), 2009, Santa Maria, RS, Brazil.
21. Corte, G. D.; Arnemann, J. A.; Perini, C. R.; Uebel, J. D.; **Dalla Lana da Silva, F.**; Moser, G. R. Z. Avaliação do rendimento de raiz em função de diferentes épocas de colheita na cultura da mandioca. XIII Simpósio de Ensino Pesquisa e Extensão (SEPE), 2009, Santa Maria, RS, Brazil.
22. Tormem, N. R.; Debona, D.; **Dalla Lana da Silva, F.**; Corte, G. D.; Balardin, R. S. Resistência parcial de genótipos de soja a Phakopsora pachyrhizi sob semeadura tardia. XVIII Congresso de Iniciação Científica, 2009, Pelotas, RS, Brazil.
23. **Dalla Lana da Silva, F.**; Balardin, R. S.; Debona, D.; Corte, G. D.; Tormem, N. R.; Domingues, L. S. Efeito fisiológico do tratamento de sementes de soja com fungicidas e inseticidas. XVIII Congresso de Iniciação Científica, 2009, Pelotas, RS, Brazil.
24. **Dalla Lana da Silva, F.**; Balardin, R. S. Tratamento de sementes: fisiologia e rendimento de grãos da cultura da soja sob condições de estresse hídrico. XVIII Congresso de Iniciação Científica, 2009, Pelotas, RS, Brazil.
25. **Dalla Lana da Silva, F.**; Balardin, R. S.; Debona, D.; Corte, G. D.; Stefanello, M. T.; Gai, R. P. Efeito do tratamento de sementes sob teor de clorofila de soja. 24ª Jornada Acadêmica Integrada - UFSM, 2009, Santa Maria, RS, Brazil.
26. Maffini, F. S.; Balardin, R. S.; Debona, D.; **Dalla Lana da Silva, F.**; Stefanello, M. T.; Gai, R. P. Influência de produtos aplicados na semente sobre o crescimento de plantas de soja. 24ª Jornada Acadêmica Integrada - UFSM, 2009, Santa Maria, RS, Brazil.
27. Gai, R. P.; Balardin, R. S.; Manfio, A. P.; **Dalla Lana da Silva, F.**; Maffini, F. S.; Stefanello, M. T. Efeito do volume de calda na eficiência do fungicida epoxiconazol + piraclostrobina no controle da ferrugem da soja. 24ª Jornada Acadêmica Integrada - UFSM, 2009, Santa Maria, RS, Brazil.

— Teaching and Extension —

Teaching

The Ohio State University

Guest Lecture Autumn 2018

PLNTPTH 3002: General Plant Pathology Lab

Mycotoxin

Guest Lecture Autumn 2017

PLNTPTH 3002: General Plant Pathology Lab

Mycotoxin

Guest Lecture Autumn 2016

PLNTPTH 3002: General Plant Pathology Lab

Mycotoxin

Teaching Assistant Autumn 2017

PLNTPTH 5140: Diseases of Field Crops

Teaching Assistant Autumn 2016

PLNTPTH 5140: Diseases of Field Crops

Federal University of Rio Grande do Sul

Teaching Assistant 2nd semester of 2012

General Plant Pathology

American Phytopathological Society

Presenter Assistant August 2017

Workshop: Meta-Analysis for Combining Results from Multiple Studies in Plant Pathology

3 Societies Annual Meeting (ASA, CSA & SSSA) – Minneapolis, MN

Presenter Assistant November 2015

Workshop: Meta-Analysis for the Synthesis of Evidence in Agriculture

Extension

2016 Corn and Soybean Disease Outlook 2016, Dealer Kickoff meetings, Presenter

— Leadership, Outreach, and Service —

The Ohio State University

Council of Graduate Students

Plant Pathology Delegate, 2016-2017

Role: Represent the Plant Pathology students on the Council of Graduate Students.

Plant Pathology Graduate Student Association

Chair, Social activities Committee, 2018 – present

Role: responsible for planning and execute social events of PPGSA of the students.

Chair, Student Exchange Committee, 2017 – 2018

Role: responsible for the Student Exchange Seminar, a program between partners universities where student associations exchanges speakers and present a seminar. During my term, we established new rules and guidelines that make the

process of application and selection clear and transparent. We also expanded the number of partner university from three to five.

American Phytopathological Society (APS)

Crop Loss Assessment and Risk Evaluation (CLARE) Committee

Member, 2014 – present

Immediate Past Chair, 2018-present

Role: Advise the new chair and vice-chair of CLARE committee. Monitoring the current application sponsored or co-sponsored to 2019 APS meeting, Cleveland.

Chair, 2017-2018

Role: Coordinate meetings, special sections, and application for the 2019 APS meeting, Cleveland, of special session, workshop and “Idea Cafés” (informal meetings with specialists). Support and coordinate special sessions and panel discussion sponsored or co-sponsored by CLARE committee on International Congress of Plant Pathology (2018), Boston, which combine were attended by over 2,000 people. Write an annual report of committee activity to APS.

Vice-Chair, 2016-2017

Role: Prepare the applications of the subject matter committee to the 2018 International Congress of Plant Pathology (2018), Boston. Report and organized meetings and encourage the participation of member on the committee activities.

Epidemiology Committee

Member, 2014 - present

Graduate Student Committee

Member, 2016 - present

SBF Working Group

Member, 2018 - present

APS Press Booth

Volunteer, 2016

Federal University of Santa Maria

Council of Center Rural Sciences (CCR)

Represent of agronomy students, October 2007 to April 2009

Role: Represent approximately 800 students of agronomy on the council of Center Rural Sciences (structure similar to a college) on administrative decisions.

— Professional Memberships —

American Phytopathological Society
Sociedade Brasileira de Fitopatologia

Member, 2014 - present

— Languages —

Portuguese - Native speaker

English - Fluent

Spanish - Medium level in speaking, understanding, and writing

— **Scientific Journal Reviewer** —

Phytopathology	(2018)
Annals of Applied Biology	(2018)
Plant Disease	(2016, 2017, and 2019)
Phytoparasitica	(2017)
Acta Scientiarum. Agronomy	(2017)
Crop Protection	(2015)

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