CV: Camilo Humberto Parada Rojas
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EDUCATION

North Carolina State University (NCSU), NC, USA	Plant Pathology	Ph.D.	2023
North Carolina State University (NCSU), NC, USA	Plant pathology	M.Sc.	2017
Francisco de Paula Santander University (UFPS)	Biotechnological Engineering	B.Sc.	2014

APPOINTMENTS

2023 – present Postdoctoral Scholar. Dept. of Botany and Plant Pathology, Oregon State University, OR, USA

2015 – 2023 Graduate Research Assistant. Dept. of Entomology and Plant Pathology, NCSU, NC, USA

2014 – 2015 Visiting Scholar. Vegetable Pathology Lab, NCSU, NC, USA

2009 – 2014 Research Assistant. Francisco de Paula Santander University (UFPS), Cucuta, Colombia

RESEARCH PUBLICATIONS (Total = 13)

10. **Parada-Rojas C. H.,** Stahr M., Childs K., and Quesada-Ocampo L. M. (2024) Effector repertoire of sweetpotato black rot fungal pathogen *Ceratocystis fimbriata.* MPMI 37: 315-326 (Thesis Chapter)
9. Stahr M. N., **Parada-Rojas C. H.**, Childs K., and Quesada-Ocampo L. M. (2023) Long-Read Sequencing Genome Assembly of Ceratocystis fimbriata Enables Development of Molecular Diagnostics for Sweetpotato Black Rot. Phytopathology: 114: 1411-1420
8. Quesada-Ocampo L. M., **Parada-Rojas C. H.**, Hansen V., Vogel G., Smart C., Hausbeck M.K., Carmo R.M., Huitema E., Naegele R.P., Kousik C.S., Tandy P., and Lamour K. (2023) *Phytophthora capsici*: Recent progress on fundamental biology and disease management 100 years after its description. Annual Reviews in Phytopathology: 61: 185-208
7. Sanogo S., Lamour K., Kousik C. S., Lozada D. N., **Parada-Rojas C. H.**, Quesada-Ocampo L. M., Wyenandt C.A., Babadoost M., Hausbeck M., Hansen Z., Ali E., McGrath M., Hu J., Crosby K., and Miller S. (2022) *Phytophthora capsici*, 100 Years Later: Research Mile Markers from 1922 to 2022. Phytopathology: 113: 921-930
6. **Parada-Rojas C. H.** and Quesada-Ocampo L. M. (2022) *Phytophthora capsici* populations are structured by geography, host, and fluopicolide sensitivity. Phytopathology: 112: 1559-1567
5. **Parada-Rojas C. H.,** Granke L. L., Naegele R. P., Hansen Z., Hausbeck M. K., Kousik S., McGrath M. T., Smart C., and Quesada-Ocampo L. M. (2021) A diagnostic guide of *Phytophthora capsici* infecting vegetable crops. Plant Health Progress: *Invited paper for Managing Stubborn Oomycetes Special Issue Plant Health Progress 22: 404-414
4. **Parada-Rojas C. H.**, Pecota, K., Almeyda, C., Yencho, G. C., & Quesada-Ocampo, L. (2021) Sweetpotato root development influences susceptibility to black rot caused by the fungal pathogen *Ceratocystis fimbriata*. Phytopathology 111: 1660-1669 (Thesis Chapter)
3. **Parada-Rojas C. H.** and Quesada-Ocampo L. M. (2019) Characterizing sources of resistance to Phytophthora blight of pepper caused by *Phytophthora capsici* in North Carolina. Plant Health Progress 20: 112-119

2. **Parada-Rojas C. H.** and Quesada-Ocampo L. M. (2018) Analysis of microsatellites from transcriptome sequences of *Phytophthora capsici* and applications for population studies. Scientific Reports 8: 5194
1. Kousik C., **Parada-Rojas C**. **H.**, and Quesada-Ocampo L. M. (2015) First report of Phytophthora fruit rot on bitter gourd (*Mormodica charantia*) and sponge gourd (*Luffa cylindrica*) caused by *Phytophthora capsici.* Plant Health Progress 16: 93-94

Pending publications

5. Morales C., Avila K., Bhatta U., Bill M., Bugingo C., Buitrago-Acosta M. C., Collins H., Dangi S., Hanson L. E., Hendershot C., Kandel S. L., Mascarenhas J., Naegele R., **Parada-Rojas C. H.**, Pethybridge S., Pollok K., Thiessen L., Willbur J., Quesada-Ocampo L. M. (2025) Bittersweet Challenges: Postharvest Disease Management in Sugarbeet and Sweetpotato. Plant Disease: *accepted*
4. **Parada-Rojas C. H.,** Childs K., Fernandez de Soto M., Salcedo A., Pecota K., Yencho G. C., Almeyda C., Kitavi M., C. Buell R., Conant G., Baltzegar D., and Quesada-Ocampo L. M. (202X) A refence-quality NLRome for the hexaploid sweetpotato and diploid wild relatives. MPMI: *under review* (Thesis Chapter)
3. Gent D. H., Adair N. L., Carleson N., Fieland V., Grünwald N. J., **Parada-Rojas C. H.,** and Putnam M. (202X) A Host Specialized Clade of *Phytophthora plurivora* is a Cause of Black Root Rot of Hop. Plant Disease: *in preparation*
2. **Parada-Rojas C. H.,** Press C., Mijatovic J., Foster Z., Chang J. and Grünwald N. J (202X) Field-Ready and Accurate CRISPR-Based Detection of *Phytophthora infestans* Lineages and *Agrobacteria* Oncogenic Plasmids. PLOS Pathogens: *in preparation*
2. **Parada-Rojas C. H.**, Manci M., Ortiz-Barbosa G. S., Moussawi K. A., Stomackin G., Russo J., Zomorrodian A., Stokes P. J., Weisberg A. J., Chang J. H., Sachs J. L. (202X) Epidemic *Bradyrhizobium yuanmingense* strains dominate cowpea roots irrespective of host genotype or field location mBio. *in preparation*
1. Foster Z. S. L., Sudermann M., **Parada-Rojas C. H.**, Blair L. K., Iruegas-Bocardo F., Alcalá-Briseño R., Weisberg A. J., Chang J. H., Grünwald N. J. (202X) PathogenSurveillance: an automated nextflow pipeline for rapid identification, population genomic, and evolutionary analysis. Molecular Biology and Evolution. *in preparation*

EXTENSION PUBLICATIONS, FACT SHEETS, & PEST ALERTS (Total = 13)

13. **Parada-Rojas C. H.** and Quesada-Ocampo L. M. (2022) EPA Issues Label Approving Mertect in Sweetpotatoes. Extension Plant Pathology Portal. [URL]
12. **Parada-Rojas C. H.** and Quesada-Ocampo L. M. (2021) How to identify and manage sweetpotato scurf caused by *Monilochaetes infuscans*. Extension Plant Pathology Portal. [URL]
11. **Parada-Rojas C. H.** and Quesada-Ocampo L. M. (2021) Section 18 label renewal approved for use of Mertect (thiabendazole) for control of sweetpotato black rot postharvest in domestic markets. Extension Plant Pathology Portal. [URL]
10. Adams M. L., **Parada-Rojas C. H.**, Collins H., and Quesada-Ocampo L. M. (2019) Evaluation of fungicides for control of Phytophthora blight of pepper, Clayton 2018. Plant Disease Management Reports 13: V064.
9. Adams M. L., **Parada-Rojas C. H.**, Collins H., and Quesada-Ocampo L. M. (2018) Evaluation of fungicides for control of Phytophthora blight on pepper, Clayton 2017. Plant Disease Management Reports 12: V117.
8. Adams M. L., **Parada-Rojas C. H.**, and Quesada-Ocampo L. M. (2017) Evaluation of fungicides for control of Phytophthora blight of pepper, Jackson Springs 2016. Plant Disease Management Reports 11: V095.

7. Adams M. L., **Parada-Rojas C. H.**, and Quesada-Ocampo L. M. (2017) Evaluation of fungicides for control of Phytophthora fruit rot of watermelon, Kinston 2016. Plant Disease Management Reports 11: V111.
6. **Parada-Rojas C. H.** and Quesada-Ocampo L. M. (2017) Evaluation of pepper cultivars for Phytophthora blight resistance, Jackson Springs 2016**.** Plant Disease Management Reports: V033.
5. **Parada-Rojas C. H.** and Quesada-Ocampo L. M. (2017) Evaluation of pepper cultivars for Phytophthora blight resistance, Jackson Springs 2015. Plant Disease Management Reports: V034.
4. **Parada-Rojas C. H.** and Quesada-Ocampo L. M. (2017) Evaluation of fungicides for control of Phytophthora blight of pepper, Jackson Springs 2016. Plant Disease Management Reports: V095.
3. Quesada-Ocampo L. M. and **Parada-Rojas C. H.** (2015) Phytophthora blight of peppers. Vegetable Pathology Factsheets. NC State Extension Publications. [URL]
2. Adams M. L., **Parada-Rojas C. H.**, and Quesada-Ocampo L. M. (2015) Evaluation of fungicides for control of downy mildew on cucumber, Kinston 2014. Plant Disease Management Reports 9: V081.
1. Adams M. L, **Parada-Rojas C. H.**, and Quesada-Ocampo L. M. (2015) Evaluation of fungicides for control of downy mildew on cucumber, Kinston II 2014. Plant Disease Management Reports 9: V085.

BOOK CHAPTERS (Total = 4)

4. Cauldron N. C., Sudermann M. A., **Parada-Rojas C. H**, and Grünwald N. J. (2024) Annotation of RxLR Effectors in Oomycete Genomes. In: *Phytophthora: Methods and Protocols*. Editors: Gerth M. and Bradshaw R. Springer. Pages 151-168.
3. Salcedo A., **Parada-Rojas C. H**., Guerrero R., Stahr M., D'Arcangelo K.N., McGregor C., Kousik C. S., Wehner T., and Quesada-Ocampo L. M. (2023) The NLR family of disease resistance genes in cultivated watermelon and other cucurbits: opportunities and challenges. In: *The Watermelon Genome*. Editors: Dutta S. K. and Reddy U. Springer. Pages 37-67.
2. Egel D., Adkins S., Wintermantel B., Keinath T., D'Arcangelo K., **Parada-Rojas C. H**., Rennberger G., Toporek S., Hausbeck M., and Quesada-Ocampo L. (2022) Diseases of cucumbers, melons, pumpkins, squash, and watermelons. In: Handbook of Plant Disease Management. In: *Handbook of Vegetable and Herb Diseases.* Editors: Elmer W., McGrath M. T., and McGovern R. Springer. Pages 1-105.
1. **Parada-Rojas C. H.**, Quesada-Ocampo L. M. (2021) Uncovering the NLR family of disease resistance genes in cultivated sweetpotato and wild relatives. In: *Postharvest Pathology: Next Generation Solutions to Reducing Losses and Enhancing Safety*. Editors: Spadaro D., Droby S., Lodovica-Gullino M. Springer. Pages 41-61. (Thesis Chapter)

GRANTS & AWARDS (Total Received: $210,900)

202X USDA-NIFA AFRI Postdoctoral Fellowship "Investigating the Evolutionary Mechanisms of Phytophthora capsici Adaptation Under Selective Pressure" (*Pending* $224,961)

2021 The Storkan - Hanes - McCaslin Research Foundation Grant ($10,000)

2018 Foundation for Food and Agriculture Research Fellowship ($195,000)

2023 Doctoral Graduate Student - Friends of IPM Award, Southern IPM Center ($3,000)

2022 3rd Place NC State Graduate Research Symposium ($250)

2020 Travel Award to attend Plant Health 2020*

2018 Graduate Student Oral Presentation Award, National Sweetpotato Collaborators Group ($150)

2017 Travel Award to attend the Oomycete Molecular Genetics Network Meeting, Asilomar, CA ($1,400)

2016 Stephen A. Johnston Student Travel Award from APS Foundation Board ($500)

2015 Travel Award to attend the Summer Bioinformatics Training Workshop, Blacksburg, VA ($600)

**Meeting was moved to virtual attendance due to COVID-19*

RESEARCH ORAL & POSTER PRESENTATIONS (Total = 42)

Oral presentations (Total = 25)

2024 Foster Z.S.L., **Parada**-**Rojas C. H.**, Sudermann M., Iruegas-Bocardo F., Alcalá Briseño R., Chang J.H., and Grünwald N..J. PathogenSurveillance: An automated computational pipeline for identification, population genomics, and monitoring of pathogens. Plant Health. Memphis, TN

Parada-**Rojas C. H.,** Foster Z.S.L., Press C.M., Buchanan R.A., Macgee J.L., Mijatović J., Fieland V., Chang J.H., and Grünwald N..J., Harnessing CRISPR Technology for the Accurate Diagnosis of Plant Pathogens: A Proof-of-Concept Study. Plant Health. Memphis, TN

Parada-**Rojas C. H.,** Foster Z.S.L., Press C.M., Buchanan R.A., Macgee J.L., Fieland V., Chang J.H., and Grünwald N.J., Harnessing CRISPR Technology for the Accurate Diagnosis of Plant Pathogens: A Proof-of-Concept Study. APS Pacific Division Annual Meeting. Corvallis, OR

Parada-**Rojas C. H.** Leveraging genomic data to advance biosurveillance of plant pathogens. USDA Postdoctoral Seminar Series. Corvallis, OR (***Invited****)*

2023 **Parada**-**Rojas C. H.,** Stahr M., Childs K., Fernandez de Soto M., Salcedo A., Pecota K., Yencho G. C., Almeyda C., Kitavi M., C. Buell R., Conant G., Baltzegar D., and Quesada-Ocampo L. M. Improving Knowledge of Host Resistance Against Soilborne Vegetable Pathogens. SIPS Plant Pathology & Plant-Microbe Biology Spring Seminar Series. Geneva, NY (***Invited****)*

Parada-**Rojas C. H.,** Childs K., Fernandez de Soto M., Salcedo A., Pecota K., Yencho G. C., Almeyda C., Kitavi M., C. Buell R., Conant G., Baltzegar D., and Quesada-Ocampo L. M. A diverse catalog of NLR genes in hexaploid sweetpotato cultivars. APS Southern Division Annual Meeting. Durham, NC

Parada-**Rojas C. H.,** Childs K., Fernandez de Soto M., Salcedo A., Pecota K., Yencho G. C., Almeyda C., Kitavi M., C. Buell R., Conant G., Baltzegar D., and Quesada-Ocampo L. M. Unveiling NLR Gene Diversity in Hexaploid Sweetpotato Cultivars. National Sweetpotato Collaborators Group Annual Conference. Wilmington, NC

2022 **Parada-Rojas C. H.**, Stahr M., Childs K., and Quesada-Ocampo L. M. Revealing the effector repertoire of the sweetpotato black rot fungal pathogen *Ceratocystis fimbriata*. Plant Health. Pittsburgh, PA

Parada-Rojas C. H., Pecota K., Almeyda C., Yencho G. C., Childs K., and Quesada-Ocampo L. M. Unveiling NLR gene diversity in hexaploid sweetpotato cultivars. Plant Health. Pittsburgh, PA

Parada-Rojas C. H., Stahr M., Childs K., and Quesada-Ocampo L. M. Expression profiling during sweetpotato black rot interaction reveals core effector repertoire. Mycological Association of America Annual Meeting. Gainesville, FL

Parada-Rojas C. H., Jansson A., Pecota K., Almeyda C., Yencho G. C., Childs K., and Quesada-Ocampo L. M. Advancing our Knowledge of Sweetpotato Resistance: From X-ray Computed Tomography Phenotyping to the NLRome. Georgia Association of Plant Pathologist Meeting. Savannah, GA (***Invited****)*

Parada-Rojas C. H., Pecota K., Almeyda C., Yencho G. C., Childs K., and Quesada-Ocampo L. M. Advancing our knowledge of sweetpotato resistance: one NLRome at a time. APS Caribbean Division Annual Meeting. San Juan, PR (***Invited***)

2021 Salcedo, A., **Parada-Rojas C. H.**, Purayannur S., Quesada-Ocampo L. M. Accelerating Resistance Breeding in Cucurbits. CucCAP2 meeting. Virtual Meeting

Parada-Rojas C. H., Jansson A., C. Almeyda, Pecota K., Yencho G.C., Quesada-Ocampo L. M. Advancing our Knowledge of Sweetpotato Resistance: From X-ray Computed Tomography Phenotyping to the NLRome. NC State Plant Pathology Graduate Student Symposium. Raleigh, NC

Parada-Rojas C. H., Jansson A., Pecota K., Yencho G.C., Quesada-Ocampo L. M. No trespassing! Barrier zone in the sweetpotato storage root prevents expansion of *Ceratocystis fimbriata* infections. APS Southern Division Annual Meeting. Virtual Meeting

2020 **Parada-Rojas C. H.**, Pecota K., Yencho G.C., Quesada-Ocampo L. M. Black rot resistance in sweetpotato (*Ipomoea batatas*): a case of age-related resistance. APS Southern Division Annual Meeting. Charleston, SC

Parada-Rojas C. H., Pecota K., Yencho G.C., Quesada-Ocampo L. M. Characterizing black rot resistance in sweetpotato (*Ipomoea batatas*) and wild relatives. National Sweetpotato Collaborators Group Annual Meeting. Nashville, TN

2019 **Parada-Rojas C. H.** and Quesada-Ocampo L. M. Characterizing the sweetpotato NLR resistome: diploid wild relatives genome survey and bait design. Plant Health. Cleveland, OH

Parada-Rojas C. H. and Quesada-Ocampo L. M. Transcriptome analysis of cultivated and wild sweetpotato reveals differences in NB-LRR resistance gene repertoire. National Sweetpotato Collaborators Group Annual Conference. Birmingham, AL

2018 **Parada-Rojas C. H.** and Quesada-Ocampo L. M. Transcriptome analysis of cultivated and wild sweetpotato reveals differences in NB-LRR resistance gene repertoire. International Congress of Plant Pathology. Boston, MA

Parada-Rojas C. H., and Quesada-Ocampo L. M. Transcriptome analysis of cultivated and wild sweetpotato reveals differences in NB-LRR resistance gene repertoire. PepsiCo Advanced Research. Raleigh, NC

Parada-Rojas C. H. and Quesada-Ocampo L. M. Characterizing Sources of Resistance and Fungicides to Control Black Rot Caused by *Ceratocystis fimbriata*. National Sweetpotato Collaborators Group meeting. Wilmington, NC

2017 **Parada-Rojas C. H.** and Quesada-Ocampo L. M. Population Structure of the Oomycete Soilborne Pathogen *Phytophthora capsici* in North Carolina. Plant Health. San Antonio, TX

Parada-Rojas C. H., and Quesada-Ocampo L. M. Development of microsatellites and population analysis of *Phytophthora capsici* infecting vegetable crops. Watermelon Research and Development Working Group Annual Meeting. Mobile, AL

2015 **Parada-Rojas C. H.** and Quesada-Ocampo L. M. Development of Microsatellites from Whole-transcriptome Sequences in *Phytophthora capsici* for Population Studies. Soilborne Oomycete International Conference. Duck Key, FL

Poster presentations (Total = 10)

2022 **Parada-Rojas C. H.** and Quesada-Ocampo L. M. *Phytophthora capsici* populations structure by host, geography, and fluopicolide sensitivity. Cucurbitaceae, Naples, FL

Parada-Rojas C. H. and Quesada-Ocampo L. M. *Phytophthora capsici* populations structure by host, geography, and fluopicolide sensitivity. Plant Health. Pittsburgh, PA

Parada-Rojas C. H., Stahr M., Childs K., and Quesada-Ocampo L. M. Revealing the effector repertoire of the sweetpotato black rot fungal pathogen *Ceratocystis fimbriata.* 31st Fungal Genetics Conference, Pacific Grove, CA

2021 **Parada-Rojas C. H.** and Quesada-Ocampo L. M. Exposing the catalog of NLR genes in cultivated hexaploid sweetpotato. International Society for Molecular Plant-Microbe Interactions Congress eSymposia series

Parada-Rojas C. H. and Quesada-Ocampo L. M. Revealing the NLRome of cultivated hexaploid sweetpotato. Plant Health. Virtual Meeting

Stahr, M. N., **Parada-Rojas C. H.,** Childs K., and Quesada-Ocampo, L. M. Development of a species-specific diagnostic assay for *Ceratocystis fimbriata* using a high-quality genome assembly and comparative genomic analysis. Plant Health. Virtual Meeting

2020 **Parada-Rojas C. H.,** Pecota K., Yencho G.C., and Quesada-Ocampo L. M. Cytological changes in sweetpotato storage root cambium in relationship with age-related resistance to *Ceratocystis fimbriata*. Plant Health. Virtual Meeting

2017 **Parada-Rojas C. H**. and Quesada-Ocampo L. M. Development of Microsatellites and Population Analyses of *Phytophthora capsici* Infecting Vegetable Crops. Oomycete Molecular Genetics Network Meeting. Pacific Grove, CA

2016 **Parada-Rojas C. H.** and Quesada-Ocampo L. M. Evaluation of Commercial Hot and Bell Pepper cultivars for Resistance to *Phytophthora capsici*. Plant Health. Tampa, FL

2014 **Parada-Rojas C. H.** and Quesada-Ocampo L. M. Design and Evaluation of Microsatellites from Whole-Genome Transcript Sequences in *Phytophthora capsici*. APS-CPS Joint Meeting. Minneapolis, MN.

Posters/Talks contributed by Undergraduate Mentees (Total = 7)

2024 Barrera-Solis J., **Parada-Rojas C. H.,** Grünwald N. J. Genome Assembly of *Phytophthora capsici*. OSU REEU NIFA Big Data in Agriculture Symposium. Corvallis, OR

2023 Buchanan R., **Parada-Rojas C. H.,** Grünwald N. J. Harnessing CRISPR Technology to Improve Diagnostics of *Phytophthora infestans*. OSU REEU NIFA Big Data in Agriculture Symposium. Corvallis, OR

2022 Ketzes K.R., **Parada-Rojas C. H.**, Quesada-Ocampo L. M. Cataloging NLRs to get closer to pathogen-resistant sweetpotatoes. NC State Undergraduate Research Symposium. Raleigh, NC

2021 Samson D., Collins H., Adams M., **Parada-Rojas C. H.**, Quesada-Ocampo L.M. First Report of Alternaria Leaf Blight on Purple Carrots in North Carolina. NC State Undergraduate Research Symposium. Raleigh, NC

2019 Pinzon-Pineda E.N., **Parada-Rojas C. H.**, and Quesada-Ocampo L. M. Black rot susceptibility of sweetpotato developmental stages and virulence of pre- and post-emergent *Ceratocystis fimbriata* isolates. NC State Undergraduate Research Symposium. Raleigh, NC

2018 Lucia C. T., **Parada-Rojas C. H.**, and Quesada-Ocampo L. M. Evaluation of commercial sweetpotato cultivars for resistance to *Ceratocystis fimbriata*. NC State Undergraduate Research Symposium. Raleigh, NC

2017 Shea Z., **Parada-Rojas C. H.**, and Quesada-Ocampo L. M. Fungicide sensitivity and population analysis of *Phytophthora capsici* in North Carolina. NC State Undergraduate Research Symposium. Raleigh, NC

EXTENSION ORAL & POSTERS PRESENTATIONS (Total = 12)

Oral presentations (Total = 9)

2022 **Parada-Rojas C. H.** A Brief History of Extension and the Land Grant Mission. Plant Pathology Field Class, Extension Day. Raleigh, NC

2021 **Parada-Rojas C. H**., Pecota K., Yencho C., and Quesada-Ocampo, L. M. Sweetpotato development influences susceptibility to black rot. Organic Commodities and Livestock Conference.

2020 Stahr M., **Parada-Rojas C. H.**, Collins H., and Quesada-Ocampo L. M. A glimpse into postharvest pathology research to strengthen sweetpotato domestic and export markets. Sweetpotato virtual field day. Raleigh, NC

2019 Adams M., Collins H., Salcedo A., Purayannur S., Standish J., D'Arcangelo K., Stahr M., **Parada-Rojas C. H.**, Wong S., and Quesada-Ocampo L. M. Small Farms Tour: disease diagnostics and management in vegetable crops. Clayton, NC

Parada-Rojas C. H., Adams M., Quesada-Ocampo, L. M. Update on Cultural and Chemical Control Strategies of Phytophthora Blight of Pepper. North Carolina Vegetable Growers Association Ag Expo. Wilmington, NC

2018 **Parada-Rojas C. H.**, Adams M., and Quesada-Ocampo L. M. Cultural and chemical control of Phytophthora blight of pepper. 33rd Annual Southeast Vegetable and Fruit Expo. Myrtle Beach, SC

2017 **Parada-Rojas C. H.**, Collins H., and Quesada-Ocampo L. M. Expanding the fungicide toolkit for control of black rot in sweetpotato. Sweetpotato field day. Clinton, NC

Parada-Rojas C. H., Adams M., and Quesada-Ocampo L. M. Phytophthora on pepper: cultural and chemical control options. 32nd Annual Southeast Vegetable and Fruit Expo. Myrtle Beach, SC

2015 **Parada-Rojas C. H.**, Adams M. L., Quesada-Ocampo L. M. Phytophthora on Pepper: Cultural and Chemical Control Options. 30th Southeast Vegetable Expo. Myrtle Beach, SC

Poster presentations (Total = 3)

2022 **Parada-Rojas C. H.**, Pecota, K., Almeyda, C., Yencho, G. C., Childs K., and Quesada-Ocampo L.M. Advancing our knowledge of sweetpotato disease resistance: one NLRome at a time. Sweetpotato Field Day. Kinston, NC

Parada-Rojas C. H., Pecota, K., Almeyda, C., Yencho, G. C., Quesada-Ocampo L.M. Size matters! Smaller sweetpotato roots are more susceptible to black rot. Organic Commodities On-Farm Field Day. Eagle Springs, NC

2021 **Parada-Rojas C. H.**, Pecota, K., Almeyda, C., Yencho, G. C., Quesada-Ocampo L.M. Size matters! Smaller sweetpotato roots are more susceptible to black rot. Sweetpotato field day. Clinton, NC

TRAININGS & WORKSHOPS (Total = 7)

2024 Weisberg A., Foster Z., **Parada-Rojas C. H.**, Sudermann M., Rahman A., Chang J., Grünwald N. Nanopore Sequencing and Whole Genome Assembly and Annotation with nf-core/pathogensurveillance. Plant Health 2024. Memphis, TN (Workshop)

2021 **Parada-Rojas C. H.**, Scheper L., Pigg S., Eure E., and Quesada-Ocampo L. M. Phytophthora blight of pepper diagnostics. Vegetable Pathology Agent Training Video. (*Virtual training*)

Parada-Rojas C. H., Scheper L., Pigg S., Eure E., and Quesada-Ocampo L. M. Phytophthora blight of pepper management. Vegetable Pathology Agent Training Video. (*Virtual training*)

2019 Adams M., Collins H., Salcedo A., Purayannur S., Standish J., D'Arcangelo K., Stahr M., **Parada-Rojas C. H.**, Wong S., and Quesada-Ocampo L. M. Agent training on disease diagnostics and management in vegetable crops. Clayton, NC (*Hands-on training*).

2018 Quesada-Ocampo L. M, Meadows I., Shew B., Eure E., Mauney C., Butler S., Adams M., Collins H., Rahman A., Salcedo A., **Parada-Rojas C. H.**, D'Arcangelo K., Stahr M., Wong S., and Scruggs A. Agent

training on disease diagnostics and management in vegetable crops. Extension Conference. Raleigh, NC (*Hands-on training*)

2017 **Parada-Rojas C. H.**, Adams M., and Quesada-Ocampo L. M. Vegetable field day with AgBiome and NACRRI collaborators to learn about vegetable diseases. Clayton, NC (*Hands-on training*).

2016 Meadows I., Mauney C., Quesada-Ocampo L. M., Shew B., Butler S., Adams M., Collins H., Rahman A., Palencia E., Scruggs A., **Parada-Rojas C. H.**, Miller N., Noel N., D'Arcangelo K. N., and Stahr M. Agent training on disease diagnostics and management in vegetable crops. Raleigh, NC (*Hands-on training*)

PUBLIC OUTREACH & INTERVIEWS (Total = 13)

2024 Science, Technology, Engineering, and Mathematics (STEM) camp for students across disparate geographic regions in Oregon. Understanding pathogen evolution. Corvallis, OR

2023 Science, Technology, Engineering, and Mathematics (STEM) camp for students across disparate geographic regions in Oregon. Command line fundamentals. Corvallis, OR

Friends of IPM Awards, Southern IPM Center 2023 [URL]

2021 Climate Change Requires Novel Sweetpotato Breeding Approaches. FFAR.

The Power of Mentorship. NCSU CALS News [URL]

Ph. D. Candidate Camilo Parada wins prestigious award. NCSU CALS News [URL]

2019 Introduction to Plant Pathology with Extension Homeschool Gardening Program, Wake County

Zoom: Introduction to Microscopy and Plant Biomes. Forest View Elementary, Durham, NC

2018 Bugfest, NC Museum of Science, Raleigh, NC

2017 Bugfest, NC Museum of Science, Raleigh, NC

SciTech Expo, NC Museum of Science, Raleigh, NC

2016 What is Plant Pathology? for the high school classroom. Horticulture and AgroScience class, Trinity, NC.

Bugfest, NC Museum of Science, Raleigh, NC

PROFESSIONAL & ACADEMIC EXPERIENCES

Professional Societies

- International Society for Molecular Plant-Microbe Interactions (IS-MPMI)
- American Phytopathological Society (APS)
- American Phytopathological Society Southern Division (APS-SD)
- American Phytopathological Society Pacific Division (APS-PD)
- American Association for the Advancement of Science (AAAS)

Teaching roles

- Guest Lecturer for Introduction to Genome Biology course, OSU (2024)
- Guest Lecturer for Introduction to Genome Biology course, OSU (2023)
- Graduate level Plant Microbe Interactions course-Teaching Assistant (2020)
- Graduate level Plant Pathogen Diagnostics/Management course - Teaching Assistant (2016)

Mentoring roles

Interns and Undergraduate Research Assistants (URA) (Total = 12):

Jessica Barrera-Solis (Biotechnology) URA summer 2024, REEU NIFA

Riley Buchanan (Mathematical biology) URA 2023-present, REEU NIFA
Katie R. Ketzes (Biological Sciences) URA 2021-2023, Kelman Scholar
Danielle Samson (Crop Biotechnology and Genetics) URA 2021-2022
Lauren Bennett (Horticulture) URA 2020-2021
Alley McCaskill (Plant Biology) URA 2019-2020
Nicolas Pinzon (UniAndes – Wolfpack Colombia) 2019, Kelman Scholar
Claudia Lucia (Nutrition Sciences) URA 2018-2019, Kelman Scholar
Zachary Shea (Zoology) URA 2016-2018, Kelman Scholar
Emily Keller (Biochemistry) URA 2016-2018
Abel Walker (Horticulture) URA 2015-2016, Kelman Scholar
Lynde Ring (Food Science) URA 2015-2016, Kelman Scholar

PROFESSIONAL SERVICE

Peer reviewer: Plant Disease, Phytopathology, Plant Health Progress, Plant Pathology, Revista Mexicana de Fitopatologia, BMC Microbiology.

Technical review panel: Friends of IPM awards, APS Student Travel Awards

Chair: HPC - Bioinformatic Users Group (2022-23), NCSU Plant Pathology Graduate Student Association (2018-19).

Member: APS Postharvest Committee (2023-24), NCSU-DEPP Honors and Awards committee (2018-22), NCSU-DEPP Climate committee (2017-18).

Organizer: Student Only Seminars (2019-21), Sweetpotato Collaborators Meeting (2020)