

CURRICULUM VITAE
MARK WILSON

PROFESSIONAL EXPERIENCE:

9/14-current Associate Professor, Dept. of Organismal Biology and Ecology, The Colorado College
9/03-05/14 Associate Professor, Biology Department, The Colorado College, Colorado Springs, CO 80903
9/98-9/03 Assistant Professor, Biology Department, The Colorado College, Colorado Springs, CO 80903
2/94-8/98 Assistant Professor, Dept. of Plant Pathology, Auburn University, Auburn, AL 36849-5409
9/91-2/94 Post-Doctoral Research Assistant., Dept. of ESPM, University of California, Berkeley, CA 94720
9/89-9/91 Miller Post-Doctoral Fellow, Dept. of Plant Pathology, University of California, Berkeley, CA 94720
1/89-9/89 Visiting Post-Doctoral Fellow, Dept. of Plant Pathology, Univ. of California, Berkeley, CA 94720

EDUCATION:

9/85-1/89 Ph.D. University of Manchester, U.K.
9/82-6/85 B.Sc. University of Bristol, U.K. Major: Botany, B.Sc. (Honours), First Class.

HONORS AND AWARDS:

1989-1991 Miller Post-Doctoral Fellowship (Miller Institute, U.C., Berkeley, U.S.A.).

CLASSES (1998-2022):

Taught in Organismal Biology and Ecology:

BE100 "Studies in Biology: Plants and People"
BE240 "Human Impacts on Biodiversity and the Environment"
BE107 "Biology of Microbes"
BE309/409 "Research Problems in Biology"
BE475 "Techniques in Molecular Ecology"
BE499 "Senior thesis"

Taught in Biology:

BY131 "Introduction to Molecular and Cellular Biology" (replaced BY210)
BY210 "Cell Biology"
BY231 "Genetics" (replaced BY361)
BY361 "Classical and Molecular Genetics"
BY464 "Molecular Biology: Microbial"

DEPARTMENTAL SERVICE:

Acting Chair of OBE (block 5, 2018-2019); Greenhouse Coordinator (2017-2018; 2018-2019); Lab and classroom safety; Assessment coordinator (ETS analyses, capstone assessment and Assessment Report preparation); Screening of Barnes scholarship applicants; Participation in ongoing MCB and OEE curriculum meetings; Preliminary screening committee for faculty hire (Killian); Participation in all departmental curricular revision meetings leading to MCB and OEE tracks; Assistant Chair (one year only); Bio Majors' Handbook co-ordinator; Biology contribution to Catalog of Courses coordinator; Departmental safety officer; BioDay co-ordinator; Biology of Microbes (BY107)-bypass administrator; University of Arizona research experience coordinator; Greenhouse use coordinator; Cell Biology (BY210)-bypass coordinator; Seminar co-ordinator

COLLEGE SERVICE:

Faculty CCSGA Liaison; *Ad hoc* Olin Replacement Building Committee; *Ad hoc* Tree Advisory Committee; Certificate Advisory Committee; Greening the Sciences Subcommittee of Campus Sustainability Council; Steering Committee for Campus Sustainability Council (2012-2013, 2013-2014; 2014-2015 and fall semester 2015-2016); Campus Sustainability Council; Assistant Chair of Biology (one year only); ADA Compliance Representative in Biology; *Ad Hoc* Health Professions Advisor Assessment Committee; *Ad Hoc* Emerging Infectious Diseases Task Force; Faculty Representative to Endowed Lecture Series; NIH-Oxford/Cambridge scholarship coordinator; Marshall Scholarship coordinator; Biochemistry Steering Committee; *Ad hoc* committee to assess the case for terminating a Professor in Romance Languages; Natural Sciences Executive Committee (1 year appointment); Working Group on Campus Sustainability; DRB representative on Tutt Program Committee; Design Review Board.

PROFESSIONAL SERVICE (Current):

Manuscript Review:

Annales Botanici Fennici; Lankesteriana; Peer J; Phytochemistry Letters; Phytotaxa; Systematics and Biodiversity.

PROFESSIONAL SERVICE (Previous):

Committees/Review Panels: USDA - NRICGP - Plant Pathology Panel Member (1996); APS Bacteriology Committee (1993-1997), Chair (1997); NCR-178 Biology and Detection of Plant-Associated Bacteria (1995, 1996, 1997); USDA-SBIR Panel Member (2002).

Grant Reviews (since starting at Colorado College): USDA/NSF – Microbial Genomes Program; USDA - Biotechnology Risk Assessment Program; USDA – National Research Initiative Competitive Grants Program (NRICGP); Israeli Science Foundation

Manuscript Reviews (since starting at Colorado College): Biological Control; European Journal of Plant Pathology; FEMS Microbiology Letters; International Microbiology; Journal of Phytopathology; Letters in Applied Microbiology; Microbial Ecology; Molecular Plant-Microbe Interactions; Physiological and Molecular Plant Pathology; Phytopathology (Associate Editor, 1997-1999); Phytoparasitica; Proc. National Academy of Sciences; The ISME Journal

PROFESSIONAL DEVELOPMENT:

Cold Spring Harbor Laboratory “Advanced Bacterial Genetics” course. CSHL, summer 2003. New England Biolabs “Molecular Biology and PCR” summer workshop. Smith College, summer 2002. NSF Chautauqua “Evolutionary Bioinformatics Education” short course. Clark University, summer 2002. ASM Undergraduate Education Conf. “Teaching Bioinformatics to Undergraduates”. Univ. Utah, summer 2002. CNR Biological Imaging Facility, U.C., Berkeley – trained on Zeiss 510 confocal laser scanning microscope.

RESEARCH INTERESTS:

Phylogenetics/genomics, biogeography, systematics, DNA barcoding, floral morphology, pollination biology and pollination by sexual deception in the orchid genera *Pleurothallis* and *Andinia*.

PUBLICATIONS:

Peer-reviewed Orchid Publications:

(underlining indicates undergraduate student co-authors)

- 2023 Ocupa-Horna, L., **Wilson, M.** and Jiménez, M.M. A new species of *Pleurothallis* (Orchidaceae: Pleurothallidinae) in subsection *Macrophyllae-Fasciculatae* found in Carpish Montane Forest Regional Conservation Area, Peru. *Phytotaxa* 629(2): 163-175. <https://doi.org/10.11646/phytotaxa.629.2.6>
- 2023 Moreno, J.S., Galindo-Tarazona, R., Alegría-Valencia, M., **Wilson, M.**, and Zuluaga Tróchez, A. A new species of *Pleurothallis* (Pleurothallidinae) from the southwestern Andes of Colombia in the National Natural Park Farallones de Cali. *Lankesteriana* 23(2): 401-407. <http://dx.doi.org/10.15517/lank.v23i2.56290>
- 2023 Jiménez, M.M., Vélez-Abarca, L., Mashendo-Jimbicti, V., Garzón, H.X., Monteros, M.F. and **Wilson, M.** Five new species in *Pleurothallis* (Orchidaceae, Pleurothallidinae) subsection *Macrophyllae-Fasciculatae* from southeastern Ecuador. *Phytotaxa* 607 (3): 161-181. <https://doi.org/10.11646/phytotaxa.607.3.1>
- 2022 **Wilson, M.**, Larsen, B., Moreno, J.S., Ward, R., Riksen, J.A.G., Pina, L., Sierra-Ariza, M.A., Jiménez, M.M., Rincón-Gonzalez, M., Galindo-Tarazona, R., Garzón Suárez, H. and Haelterman, D. New species of *Pleurothallis* (Orchidaceae: Pleurothallidinae), a new country record, and labellar morphology in the *P. cardiostola*-*P. lilijae* complex of subsection *Macrophyllae-Fasciculatae*. *Harvard Papers in Botany* 27(2): 187-220. <https://doi.org/10.3100/hpib.v27iss2.2022.n10>
- 2022 Ocupa-Horna, L., Vieira-Uribe, S., Ward, R., Brose, C. and **Wilson, M.** A new species of *Andinia* (Pleurothallidinae) from Peru and an updated phylogenetic analysis of the genus with emphasis on subgenus *Aenigma*. *Lankesteriana* 22(3): 241-262. <http://dx.doi.org/10.15517/lank.v22i3.53319>

- 2022 Sierra-Ariza, M.A., Rincón-González, M., **Wilson, M.** and Villanueva Tamayo, B. Una nueva especie de *Pleurothallis* R Br. (Pleurothallidinae) subsección *Macrophyllae-Fasciculatae* para la región andina colombiana. *Lankesteriana* 22(1): 25-35. <https://doi.org/10.15517/lank.v22i1.50823>
- 2019 **Wilson, M.**, Larsen, B.T., Zhao, K., Posada, J.F., Aguirre, G., and Uribe Vélez, C. A beautiful new species of *Pleurothallis* (Orchidaceae, Pleurothallidinae) in the *P. crocodiliceps* complex from Colombia. *Orquideología* 36(2): 111-126.
- 2019 **Wilson, M.**, Zhao, K., Hampson, H., Chang, M., Reina-Rodríguez, G.A., and Niessen, A. Hidden in plain sight: A new species of *Pleurothallis* (Orchidaceae: Pleurothallidinae) from Colombia previously misidentified as *P. luctuosa*. *Lankesteriana* 19(2): 771-91. <https://doi.org/10.15517/lank.v19i2.38584>
- 2018 **Wilson, M.**, Zhao, K., Hampson, H., Frank, G., Romelroux, K., Jiménez, M.M., Tobar, F., Larsen, B. and Perez, A. A new species of *Pleurothallis* (Orchidaceae: Pleurothallidinae) in subsection *Macrophyllae-Fasciculatae* with a unique, highly reduced, morphologically distinct labellum. *Lankesteriana* 18(3): 217-230. <https://doi.org/10.15517/lank.v18i3.35495>
- 2018 Jiménez, M.M., Baquero, L.E., **Wilson, M.**, and Iturralde, G.A. *Pleurothallis chicalensis*, a new species in subsection *Macrophyllae-Fasciculatae* (Orchidaceae, Pleurothallidinae) from northwestern Ecuador. *Lankesteriana* 18(2): 103-109. <https://doi.org/10.15517/lank.v18i2.34050>
- 2018 Diaz Hernández, A.G., Ocupa Horna, L.A., Yupanqui Godo, L.E. and **Wilson, M.** A new species of *Andinia* (Orchidaceae, Pleurothallidinae) from Huánuco, Peru, and the first Peruvian locality for *Andinia schizopogon*. *Phytotaxa* 361(2): 222-232. <https://doi.org/10.11646/phytotaxa.361.2.7>
- 2018 **Wilson, M.** *Pleurothallis gracilicolumna* (Orchidaceae, Pleurothallidinae), a new species from Colombia related to *P. talpinaria*, *P. trimeroglossa* and *P. jostii*. *Orquideología* 35(1): 31-51.
- 2018 **Wilson, M.** Jimenez, M.M., Jost, L., Kay, A., Frank, G., and Baquero R., L.E. A new species of *Pleurothallis* (Pleurothallidinae, Orchidaceae) from northwestern Ecuador with affinities to both subgenus *Ancipitia* and *Scopula*. *Phytotaxa* 343(3): 249-258. <http://dx.doi.org/10.11646/phytotaxa.343.3.5>
- 2017 **Wilson, M.**, Vieira-Urbe, S., Aguirre, G., Posada, J.F., and Dupree, K. Two new species of *Pleurothallis* (Pleurothallidinae, Orchidaceae) in subgenus *Ancipitia* from Colombia. *Orquideología* 34(1): 34-51.
- 2017 **Wilson, M.**, Baquero R., L., Driessen, W., Dupree, K., Gil, K., Portilla, J. and Salas Guerrero, M. A clarification of the distinction between *Pleurothallis talpinaria* and *Pleurothallis trimeroglossa* (Orchidaceae: Pleurothallidinae) and an allied new species from Ecuador. *Lankesteriana* 17(2): 133-151. <http://dx.doi.org/10.15517/lank.v17i2.29803>
- 2017 **Wilson, M.**, Dupree, K., Driessen, W., Larsen, B.T., Lökher, A., Niessen, A., Portilla, J., Salas Guerrero, M., Suarez, M.A., and Tobar Suárez, F. A clarification of the taxonomy of *Pleurothallis crocodiliceps* Rchb.f. (Pleurothallidinae, Orchidaceae) and four new species of *Pleurothallis* in subgenus *Ancipitia*. *Lankesteriana* 17(2): 165-191. <http://dx.doi.org/10.15517/lank.v17i2.29911>
- 2017 **Wilson, M.**, Dupree, K., Garcia Lopera, D., Haelterman, D., Kay, A., Mesa Londoño, C., Niessen, A., Pinnix, W., Portilla, J. and Werner, J. A new species of *Pleurothallis* (Orchidaceae: Pleurothallidinae) from Valle del Cauca, Colombia and a note on the relationship between subsections *Macrophyllae-Racemosae* and *Antenniferae*. *Lankesteriana* 17(2): 119-131. <http://dx.doi.org/10.15517/lank.v17i2.29804>
- 2017 Zambrano Romero, B.J., Solano-Gomez, R., and **Wilson, M.** A new species of *Pleurothallis* (Orchidaceae: Pleurothallidinae) from Southwestern Ecuador: *Pleurothallis marioi*. *Phytotaxa* 308(1): 080-088. <https://doi.org/10.11646/phytotaxa.308.1.6>
- 2017 **Wilson, M.**, Frank, G.S., Jost, L., Pridgeon, A., Vieira-Urbe, S., and Karremans, A. Phylogenetic analysis of *Andinia* (Orchidaceae: Pleurothallidinae) and a systematic re-circumscription of the genus. *Phytotaxa* 295(2): 101-131. <https://doi.org/10.11646/phytotaxa.295.2.1>

- 2016 **Wilson, M.**, Baquero, L., Dupree, K., Jimenez, M., LeBlanc, C., Merino, G., Portilla, J., Salas Guerrero, M., Tobar Suarez, F. and Werner, J. Three new species of *Pleurothallis* (Pleurothallidinae; Orchidaceae) in subsection *Macrophyllae-Fasciculatae* from northern South America. *Lankesteriana* 16(3): 349-366. <http://dx.doi.org/10.15517/lank.v16i3.27314>
- 2016 Doucette, A., **Wilson, M.**, Portilla, J., Kay, A., Moreno, J.S. and Cameron, K.M. Two new species of *Pleurothallis* and a new name for *Acronia rinkei*. *Orquideología* 23(2): 123-139.

Non-peer-reviewed Orchid Publications:

- 2020 Villalba Vargas, D., Moya Huanca, L., Zenteno-Ruiz, F.S., Damian P., A., Santiago A., E., Hágsater, E. and **Wilson, M.** Orquídeas del Madidi (Parque Nacional Madidi, La Paz, Bolivia). Field Guide # 1226, Field Museum, Chicago.
- 2019 Moreno, J.S. and **Wilson, M.** *Pleurothallis anceps* Luer. *Species Orchidacearum – Icones Colombianae* 3.

Peer-reviewed Microbial Publications:

- 2009 Zhang, Y., Callaway, E.M., Jones, J.B., and **Wilson, M.** Visualization of *hrp* gene expression in *Xanthomonas euvesicatoria* in the tomato phyllosphere. *European Journal of Plant Pathology* 124: 379-390. <http://dx.doi.org/10.1007/s10658-008-9423-x>
- 2007 Moss, W.P., Byrne, J.M, Campbell, H.L, Ji, P., Bonas, U., Jones, J.B., and **Wilson, M.** Biological control of bacterial spot of tomato using *hrp* mutants of *Xanthomonas campestris* pv. *vesicatoria*. *Biological Control* 41:199-206. <http://dx.doi.org/10.1016/j.biocontrol.2007.01.008>
- 2007 Iriarte, F.B., Balogh, B., Momol, M.T., Smith, L.M., **Wilson, M.**, and Jones, J.B. Factors affecting survival of bacteriophage on tomato leaf surfaces. *Applied and Environmental Microbiology* 73:1704-1711. <http://dx.doi.org/10.1128/AEM.02118-06>
- 2006 Ji, P., Campbell, H.L., Kloepper, J.W., Jones, J.B., Suslow, T.V. and **Wilson, M.** Integrated biological control of bacterial speck and spot of tomato using foliar biological control agents and plant growth-promoting rhizobacteria. *Biological Control* 36: 358-367. <http://dx.doi.org/10.1016/j.biocontrol.2005.09.003>
- 2005 Byrne, J.M., Campbell, H.L., Dianese, A.C., Ji, P., Cuppels, D.A., Louws, F.J., Miller, S.A., Jones, J.B., and **Wilson, M.** Biological control of bacterial spot of tomato under field conditions at multiple locations in North America. *Biological Control* 32: 408-418. <http://dx.doi.org/10.1016/j.biocontrol.2004.12.001>
- 2003 Dianese, A.C., Ji, P., and **Wilson, M.** Nutritional similarity between nonpathogenic bacteria and the pathogen is not predictive of efficacy in biological control of bacterial spot of tomato. *Applied and Environmental Microbiology* 69: 3484-3491.
- 2003 Ji, P., Lindow, S.E., and **Wilson, M.** Enhancement of population size of a biological control agent and efficacy in control of bacterial speck of tomato through salicylate and ammonium sulfate amendments. *Applied and Environmental Microbiology* 69:1290-1294.
- 2002 Yan, Z., Reddy, M.S., Ryu, C.-M., McInroy, J.A., **Wilson, M.**, and Kloepper, J.W. Induced systemic protection against tomato late blight elicited by plant growth-promoting rhizobacteria. *Phytopathology* 92:1329-1333.
- 2002 **Wilson, M.**, Campbell, H.L., Ji, P., Jones, J.B., and Cuppels, D.A. Biological control of bacterial speck of tomato under field conditions at several locations in North America. *Phytopathology* 92:1284-1292.
- 2002 Ji, P., and **Wilson, M.** Assessment of the importance of similarity in carbon source utilization profiles between the biological control agent and pathogen in biological control of bacterial speck of tomato. *Applied and Environmental Microbiology* 68: 4383-4389.
- 2001 Louws, F.J., **Wilson, M.**, Campbell, H.L., Cuppels, D.A., Jones, J.B., Shoemaker, P.B., Sahin, F., and Miller, S.A. Field control of bacterial spot and bacterial speck of tomato using a plant activator. *Plant Disease* 85: 481-488.

- 2000 Kinkel, L.L., **Wilson, M.**, and Lindow, S.E. Plant species and plant incubation conditions influence variability in epiphytic bacterial population size. *Microbial Ecology* 39: 1-11.
- 1999 **Wilson, M.**, Hirano, S.S., and Lindow, S.E. Location and survival of leaf-associated bacteria in relation to pathogenicity and potential for growth within the leaf. *Applied and Environmental Microbiology* 65: 1435-1443.
- 1998 Raineri, D.M., Roine, E., Romantschuk, M., **Wilson, M.**, and Nunn, D.N. Characterization of type IV pilus genes in *Pseudomonas syringae* pv. tomato DC3000. *Molecular Plant Microbe Interactions* 11: 1048-1056.
- 1998 Zhang, D., Shelby, R., Savka, M.A., Dessaux, Y. and **Wilson, M.** Separation, detection, and quantification of imine-linked opines in plant tissues by high performance liquid chromatography. *Journal of Chromatography A* 813: 247-253.
- 1997 Press, C.M., **Wilson, M.**, Tuzun, S., and Kloepper, J.W. Salicylic acid produced by *Serratia marcescens* 90-166 is not the primary determinant of induced systemic resistance in cucumber and tobacco. *Molecular Plant Microbe Interactions* 10: 761-768.
- 1996 Kinkel, L.L., **Wilson, M.**, and Lindow, S.E. Utility of microcosm studies for predicting phylloplane bacterium population sizes in the field. *Applied and Environmental Microbiology* 62: 3413-3423.
- 1995 Kinkel, L.L., **Wilson, M.**, and Lindow, S.E. Effect of sampling scale on the assessment of epiphytic bacterial populations. *Microbial Ecology* 29: 283-297.
- 1995 **Wilson, M.**, Savka, M.A., Hwang, I., Farrand, S.K., and Lindow, S.E. Altered epiphytic colonization of mannityl opine-producing transgenic tobacco plants by a mannityl opine-catabolizing strain of *Pseudomonas syringae*. *Applied and Environmental Microbiology* 61: 2151-2158.
- 1995 **Wilson, M.**, and Lindow, S.E. Enhanced epiphytic coexistence of near-isogenic salicylate-catabolizing and non-salicylate-catabolizing *Pseudomonas putida* strains after exogenous salicylate application. *Applied and Environmental Microbiology* 61: 1073-1076.
- 1994 **Wilson, M.**, and Lindow, S.E. Coexistence among epiphytic bacterial populations mediated through nutritional resource partitioning. *Applied and Environmental Microbiology* 60: 4468-4477.
- 1994 **Wilson, M.**, and Lindow, S.E. Ecological similarity and coexistence of epiphytic ice-nucleating (Ice⁺) *Pseudomonas syringae* strains and a non-ice-nucleating (Ice⁻) biological control agent. *Applied and Environmental Microbiology* 60: 3128-3137.
- 1994 **Wilson, M.**, and Lindow, S.E. Inoculum density-dependent mortality and colonization of the phyllosphere by *Pseudomonas syringae*. *Applied and Environmental Microbiology* 60: 2232-2237.
- 1993 **Wilson, M.**, and Lindow, S.E. Effect of phenotypic plasticity on epiphytic survival and colonization by *Pseudomonas syringae*. *Applied and Environmental Microbiology* 59: 410-416.
- 1993 **Wilson, M.**, and Lindow, S.E. Interactions between the biological control agent *Pseudomonas fluorescens* A506 and *Erwinia amylovora* in pear blossoms. *Phytopathology* 83: 117-123.
- 1992 **Wilson, M.**, and Lindow, S.E. Relationship of total viable and culturable cells in epiphytic populations of *Pseudomonas syringae*. *Applied and Environmental Microbiology* 58: 3908-3913.
- 1992 **Wilson, M.**, Epton, H.A.S., and Sigeo, D.C. Biological control of fire blight of hawthorn (*Crataegus monogyna*) with fluorescent *Pseudomonas* spp. under protected conditions. *Journal of Phytopathology* 136: 16-26.
- 1992 **Wilson, M.**, Epton, H.A.S., and Sigeo, D.C. Interactions between *Erwinia herbicola* and *Erwinia amylovora* on the stigma of hawthorn. *Phytopathology* 82: 914-918.
- 1990 **Wilson, M.**, Epton, H.A.S., and Sigeo, D.C. Biological control of fire blight of hawthorn (*Crataegus monogyna*) with *Erwinia herbicola* under protected conditions. *Plant Pathology* 39: 301-308.
- 1990 **Wilson, M.**, Sigeo, D.C., and Epton, H.A.S. *Erwinia amylovora* infection of hawthorn blossom: III. The nectary. *Journal of Phytopathology* 128: 62-74.

- 1989 **Wilson, M.**, Epton, H.A.S., and Sigeo, D.C. *Erwinia amylovora* infection of hawthorn blossom: II. The stigma. *Journal of Phytopathology* 127: 15-28.
- 1989 **Wilson, M.**, Sigeo, D.C., and Epton, H.A.S. *Erwinia amylovora* infection of hawthorn blossom: I. The anther. *Journal of Phytopathology* 127: 1-14.
- 1988 **Wilson, M.**, Crawford, E.K., and Campbell, R. Biological control by *Trichoderma harzianum* of damping-off of lettuce caused by *Rhizoctonia solani*. *European Plant Protection Organization (EPPO) Bulletin* 18: 83-89.

Educational Publications:

- 2002 Savka, M.A., Wang, S.-Y., and **Wilson, M.** An instructional unit for undergraduate students on the production and characterization of transgenic plants. *American Biology Teacher* 64: 286-300.

Review Articles:

- 1998 **Wilson, M.**, Moss, W.P., Ji, P., Wang, S.-Y., Dianese, A.C., Zhang, D., and Campbell, H.L. Molecular approaches in the development of biocontrol agents of foliar and floral bacterial pathogens. pp. 247-255. In: B.K. Duffy, U. Rosenberger, and G. Defago (ed). *Molecular Approaches in Biological Control*, IOBC/wprs Bulletin no 21(9).
- 1997 **Wilson, M.** Biocontrol of aerial plant diseases in agriculture and horticulture: current approaches and future prospects. *Journal of Industrial Microbiology and Biotechnology* 19:188-191.
- 1993 **Wilson, M.**, and Lindow, S.E. Release of recombinant microorganisms. *Annu. Rev. Microbiol.* 47:913-944.

Book Chapters:

- 2006 **Wilson, M.**, Moss, W., Zhang, Y., and Jones, J. Molecular interactions at the Leaf Surface: *Xanthomonas* and its host. Chapter 12. pp. 181-190. *In Microbial Ecology of Aerial Plant Surfaces* ed. M.J. Bailey, A.K. Lilley, T.M. Timms-Wilson and P.T.N. Spencer-Phillips. CABI, Wallingford, UK.
- 2004 **Wilson, M.** Management of bacterial diseases of plants: Biological control. *In Encyclopedia of Plant and Crop Science*. Ed. R.M. Goodman. Marcel Dekker, New York.
<http://www.dekker.com/sdek/contents~db=enc~content=g713261519>
- 2000 **Wilson, M.**, and Lindow, S.E. Viable but nonculturable cells in plant-associated bacterial populations. Chapter 13. pp. 229-241. *In Non-culturable Microorganisms in the Environment*. Ed. R.R. Colwell and D.J. Grimes. ASM Press, Washington, DC.
- 1999 Lindow, S.E., and **Wilson, M.** Biological control of foliar pathogens and pests with bacterial biocontrol agents. Chapter 53. pp. 642-650. *In Manual of Industrial Microbiology and Biotechnology*, 2nd Edition. Vol. VI. *Environmental Biotechnology*. Ed. J. Davies and R. Atlas.
- 1999 Wilson, M., and Backman, P.A. Biological control of plant pathogens. Chapter 12. pp. 309-335. *In Handbook of Pest Management*, Ed. J.R. Ruberson. Marcel Dekker.
- 1997 Backman, P.A., **Wilson, M.**, and Murphy, J.F. Bacteria for biological control of plant diseases. Chapter 4. pp. 95-109. *In Environmentally Safe Approaches to Crop Disease Control*, Ed. J.E. Rechcigl and N.A. Rechcigl. *Agriculture and Environment Series*, CRC Press, Inc.
- 1994 Epton, H.A.S., **Wilson, M.**, Nicholson, S., and Sigeo, D.C. Biological control of *Erwinia amylovora* with *Erwinia herbicola*. pp. 335-352. *In Ecology of Plant Pathogens*, Ed. J.P. Blakeman and B. Williamson. CAB Int., Surrey, U.K.

Symposium Papers:

- 2000 Yan, Z., Ryu, C.M., McInroy, J., Reddy, M.S., Woods, F., **Wilson, M.**, and Kloepper, J.W. Induction of systemic resistance against tomato late blight by PGPR.
Online: <http://www.ag.auburn.edu/argentina/pdfmanuscripts/yan2.pdf>
- 1998 **Wilson, M.** Mechanisms of antagonism and strategies of biological control of plant diseases by *P. fluorescens* A506. pp. 78-80. *In Innovations in Biological Control Research*. Ed. M.S. Hoddle. (Proceedings of the First California Conference on Biological Control, Berkeley, CA).

- 1997 Ji, P., **Wilson, M.**, Campbell, H.L., and Kloepper, J.W. Rhizobacterial-mediated induced systemic resistance for the control of bacterial speck of fresh-market tomato. pp. 273-276. *In* Plant Growth-Promoting Rhizobacteria: Present Status and Future Prospects. Ed. A. Ogoshi, K. Kobayashi, Y. Homma, F. Kodama, N. Kondo, and S. Akino, Sapporo, Japan.
- 1996 Ji, P., **Wilson, M.**, Dianese, A.C., Campbell, H.L., and Moss, W.P. Characteristics determining the effectiveness of nonpathogenic bacteria as pre-emptive biocontrol agents of epiphytic phytopathogenic bacteria. pp. 361-363. *In* Advances in Biological Control of Plant Diseases. Ed. T. Wenhua, R.J. Cook, and A. Rovira. China Agricultural University Press, Beijing, China.
- 1996 **Wilson, M.**, Ji, P., Campbell, H.L., and Kloepper, J.W. Development of an integrated biological control strategy for bacterial speck of tomato caused by *Pseudomonas syringae* pv. tomato. *In* Advances in Biological Control of Plant Diseases. Ed. T. Wenhua, R.J. Cook, and A. Rovira. China Agricultural University Press, Beijing.
- 1994 Farrand, S.K., **Wilson, M.**, Lindow, S.E., and Savka, M.A. Modulating colonization by plant-associated microbes. Third International PGPR Workshop, Adelaide, Australia, March 7-11, 1994. pp. 233-237. *In* Improving Plant Productivity with Rhizosphere Bacteria. Ed. M.H. Ryder, P.M. Stephens, and G.D. Bowen.
- 1993 **Wilson, M.**, and Lindow, S.E. Population dynamics of *Pseudomonas fluorescens* strain A506 in pear flowers following inoculation in relation to strategies of biological control of fire blight and frost injury. Sixth International Workshop on Fire Blight, Athens, Greece, Oct. 20-23, 1992. *Acta Horticulturae* 338:331-332.
- 1993 **Wilson, M.**, and Lindow, S.E. Interactions between the biological control agent *Pseudomonas fluorescens* A506 and *Erwinia amylovora* in pear blossom. Sixth International Workshop on Fire Blight, Athens, Greece, Oct. 20-23, 1992. *Acta Horticulturae* 338:329-330.
- 1990 Lindow, S.E., Andersen, G., **Wilson, M.**, and Panopoulos, N.J. Characterization of epiphytic fitness genes. pp. 122-124. *In* Review of Progress in the Biotechnology-Microbial Pest Control Agent Risk Assessment Program. EPA, Office of Pesticides and Toxic Substances.
- 1990 **Wilson, M.**, Epton, H.A.S., and Sigeo, D.C. Biological control of fire blight of hawthorn. Fifth International Workshop on Fire Blight, Diepenbeek, Belgium, June 19-22, 1989. *Acta Horticulturae* 273:363-365.
- 1990 **Wilson, M.**, Epton, H.A.S., and Sigeo, D.C. *Erwinia amylovora* infection of hawthorn blossom. Fifth International Workshop on Fire Blight, Belgium, June 19-22, 1989. *Acta Horticulturae* 273:207-210.
- 1987 **Wilson, M.**, Epton, H.A.S., and Sigeo, D.C. Ultrastructural studies on fire blight of hawthorn flowers. Fourth International Workshop on Fire Blight, Ithaca, New York, June 22-26, 1986. *Acta Horticulturae* 217: 189-194.

Extension Publications:

- 1998 Campbell, H.L. and **Wilson, M.** The Good, The Bad, and The Ugly: Biocontrol of Bacterial Spot of Tomato. AAES, Highlights of Agricultural Research.
- 1997 **Wilson, M.**, Ji, P., Campbell, H.L., Kloepper, J.W., Jones, J.B., and Suslow, T. Integrated biological control of bacterial speck and bacterial spot. 13th Ann. Tomato Disease Workshop, Indianapolis, IN, December 1997.
- 1997 Campbell, H. L., Moss, W. P., Pitts, J., Boozer, R., Bannon, J., and **Wilson, M.** New chemical may provide answer to control of bacterial spot of peach. AAES, Highlights of Agricultural Research 44:8-19.
- 1997 Campbell, H.L., **Wilson, M.**, and Byrne, J.M. Novel chemicals control bacterial spot and may reduce copper contamination problems. AAES, Highlights of Agricultural Research, 44:10-11.
- 1996 Byrne, J.M., Dianese, A.C., Campbell, H.L., Jones, J.B., El-Morsy, G., Cuppels, D.A., and **Wilson, M.** Biological control of bacterial spot of tomato in Alabama, Florida, and Ontario, Canada. 12th Annual Tomato Disease Workshop, Columbus, Ohio, December 1997.

Abstracts since arrival at Colorado College in 1998 (underlining indicates undergraduate student co-authors):

- 2016 Dupree, K. and **Wilson, M.** Floral micromorphology and evolution of pollination by sexual deceit in *Pleurothallis* R.Br. (Orchidaceae; Pleurothallidinae) subgenera *Ancipitia* and *Scopula*. Abstract of poster presented at Botany 2016, the annual meeting of the Botanical Society of America.
- 2015 **Wilson, M.**, Canty, C., Cully, M., Dupree, K., Fatt, K., Hernandez, K., Kumagai, A., McMahon, J.M., Nakamura, N., and Smith, M. Phylogenetics and circumscription of the genus *Pleurothallis*. Poster presented at V Conferencia Científica de Orquideas Andinas, Cali, Colombia, Nov 2015.
- 2013 **Wilson, M.**, Pupulin, F., Archila-Morales, F., Damon, A., and Solano-Gomez, R. A newly recognized clade of *Pleurothallis* with Mesoamerican distribution. *Lankesteriana* 13(1-2): 138. [Poster presented at IV Conferencia Científica de Orquideas Andinas, Guayaquil, Ecuador, Nov 2012.]
- 2013 **Wilson, M.**, Belle, C., Dang, A., Hannan, P., Kellogg, L., Kenyon, C., Low, H., Mochizuki, A., Nguyen, A., Sheade, N., Shan, L., Shum, A., Stayton, T., Volz, C., Vosburgh, B., Wellman, H., and Woolley, M. A preliminary phylogenetic analysis of *Pleurothallis sensu lato* based upon nuclear and plastid sequences. *Lankesteriana* 13(1-2): 139. [Poster presented at IV Conferencia Científica de Orquideas Andinas, Guayaquil, Ecuador, Nov 2012.]
- 2011 **Wilson, M.** Barcoding the species of *Pleurothallis* subsection Macrophyllae-Fasciculatae. *Lankesteriana* 11(3): 371. [Poster presented at III Conferencia Científica de Orquideas Andinas, Quito, Ecuador, Feb 2009.]
- 2011 **Wilson, M.**, and Jost, L. Phylogenetic analysis of the Andean genus *Brachycladium* Luer (syn. *Oreophilus* Higgins & Archila) and closely related genera based on nuclear ITS sequencing. *Lankesteriana* 11(3): 370. [Poster presented at III Conferencia Científica de Orquideas Andinas, Quito, Ecuador, Feb 2009.]
- 2011 **Wilson, M.**, Belle, C., Dang, A., Hannan, P., Kenyon, C., Low, H., Stayton, T., and Woolley, M. A phylogenetic analysis of the genus *Pleurothallis*, with emphasis on *Pleurothallis* subsection Macrophyllae-Fasciculatae, using nuclear ITS and chloroplast DNA sequencing. *Lankesteriana* 11(3): 369. [Poster presented at III Conferencia Científica de Orquideas Andinas, Quito, Ecuador, Feb 2009.]
- 2009 **Wilson, M.**, and Jost, L. Evidence from DNA and sympatry resolves *Andinia (Brachycladium) "nummularia"* into four biological species. Proc. 2nd Scientific Conference on Andean Orchids. Ed. A.M. Pridgeon and J.P. Suarez. p. 247. [Poster presented at II Conferencia Científica de Orquideas Andinas, Loja, Ecuador, Nov 2007.]
- 2008 **Wilson, M.**, Belle, C., Kenyon, C., Hannan, P., Stayton, T., and Woolley, M. A more detailed phylogenetic analysis of the *Pleurothallis* clade from Pridgeon and Chase (2001), with emphasis on *Pleurothallis* subsection Macrophyllae-Fasciculatae, using nuclear ITS DNA sequencing. Poster presented at the World Orchid Conference, Miami, Florida.
- 2005 **Wilson, M.** Molecular interactions between *Xanthomonas* and its host. Phyllosphere 2005, 8th International Symposium on the Microbiology of Aerial Plant Surfaces, Oxford University, Oxford, U.K., July 2005.
- 2005 Cubero, J., Graham, J., Redondo, A., Dekkers, M., Zhang, Y., Jones, J., **Wilson, M.** Use of the green fluorescent protein (gfp) to study survival of *Xanthomonas axonopodis* on citrus plant surfaces. Abstract. International Citrus Canker and Huanglongbing Workshop, Orlando FL, November 7-11, 2005.
- 2005 Cubero, J., Graham, J.H., Zhang, Y., Jones, J.B., and **Wilson, M.** Unstable variants of the green fluorescent protein (GFP) for study of bacterial survival on citrus. IUMS 2005, 11th International Congress of Bacteriology and Applied Microbiology, San Francisco, CA, July 2005.
- 2002 **Wilson, M.**, Rademaker, J.L.W., Lindow, S.E., Hendson, M., Boyle, B., Engels, M., Pugh, B., Sosa, S. and Treat, E. Genetic variability among isolates of *Pseudomonas fluorescens* strain A506 recalled from laboratories around the world. The World of Microbes, 10th International Congress of Bacteriology and Applied Microbiology, Paris, France, July 27- Aug 2nd, 2002.

- 2002 **Wilson, M.**, Callaway, E.M., Zhang, Y., and Jones, J.B. Induction of *Xanthomonas campestris* pv. *vesicatoria* *hrp* genes on the Tomato Leaf Surface. Abstract #B258. American Society for Microbiology 102nd General Meeting, Salt Lake City, UT, May 2002.
- 2001 Bussey, M., Callaway, E., Zhang, Y., Jones, J.B., and **Wilson, M.** Host-pathogen interactions between *Xanthomonas campestris* pv. *vesicatoria* and tomato. 10th International Congress on Molecular Plant-Microbe Interactions, Madison, WI. July 10-14, 2001.
- 2000 **Wilson, M.**, Bussey, M., Garton, R., Moss, W.P., and Jones, J.B. Response of tomato (cv. Agriset) to inoculation with wild-type or *hrp* mutants of *Xanthomonas campestris* pv. *vesicatoria* 75-3. Phyllosphere 2000, 7th International Symposium on the Microbiology of Aerial Plant Surfaces, University of California, Berkeley, Aug. 3-8, 2000.
- 2000 **Wilson, M.**, Moss, W.P., Garton, R., Zhang, Y. and Jones, J.B. Induction of a local defense response in tomato by a *hrpG* mutant of *Xanthomonas campestris* pv. *vesicatoria*. 10th International Conference on Plant Pathogenic Bacteria, Prince Edward Island, Canada, July 2000.
- 1999 Zhang, Y., Jones, J.B., and **Wilson, M.** Use of green fluorescent protein to monitor gene expression and colonization by *Xanthomonas campestris* pv. *vesicatoria*. Phytopathology 89:S89 <http://www.apsnet.org/meetings/abstract/1999/p99ma642.htm>
- 1999 Zhang, Y., Jones, J.B., **Wilson, M.**, and Bonas, U. Over expression of a truncated *hrpG* reduces virulence and population size of a wild-type strain of *Xanthomonas campestris* pv. *vesicatoria*. 10th International Congress on Molecular Plant-Microbe Interactions, Amsterdam, The Netherlands 1999.
- 1999 Campbell, H.L., and Wilson, M. Evaluation of Actigard (CGA-245704) for the control of bacterial spot of peach. Phytopathology 89: S11. <http://www.apsnet.org/meetings/abstract/1999/p99ma074.htm>
- 1999 Moss, W.P., Jones, J.B., and **Wilson, M.** Differential induction or suppression of host defense responses by *Xanthomonas campestris* pv. *vesicatoria*. 10th International Congress on Molecular Plant-Microbe Interactions, Amsterdam, The Netherlands, 1999.
- 1998 Ji, P., **Wilson, M.** and Campbell, H.L. Molecular approaches to determine the role of pre-emptive carbon source use in the biocontrol of bacterial speck. p. 71. In: B.K. Duffy, U. Rosenberger, and G. Defago (ed). Molecular Approaches in Biological Control, IOBC/wprs Bulletin no 21(9).
- 1998 Moss, W.P., Bonas, U., Jones, J.B., and **Wilson, M.** Interactions of *Xanthomonas axonopodis* pv. *vesicatoria* 75-3/*hrp* mutants, the pathogenic parent, and the host plant. ICPP 98, 7th International Congress of Plant Pathology, Edinburgh, Scotland, August 1998. <http://www.bspp.org.uk/icpp98/1.7/2.html>
- 1998 Wang, S.-Y., Moyne, A.L., Savka, M.A., Klee, H.J., **Wilson, M.** Opine-producing tomato: one component of a binary plant-microbe combination developed for control of foliar bacterial diseases. Plant Biology '98, American Society of Plant Biologists, Annual Meeting, Madison, Wisconsin. <http://abstracts.aspb.org/pb1998/49/0313.shtml>
- 1998 Kilduff, P.D., Wang, S.-Y., **Wilson, M.**, and Savka, M.A. Production and characterization of transgenic plants in an undergraduate plant physiology course. Plant Biology '98, American Society of Plant Biologists, Annual Meeting, Madison, Wisconsin. <http://abstracts.aspb.org/pb1998/47/0173.shtml>
- 1998 Ji, P., Lindow, S.E., and **Wilson, M.** Role of nutritional similarity and population size of *Pseudomonas syringae* TLP2 mutants in pre-emptive exclusion of *Pseudomonas syringae* pv. *tomato*. Abstract #N40. American Society for Microbiology, 98th General Meeting, Atlanta, GA.
- 1998 Moss, W.P., Bonas, U., Jones, J.B., and **Wilson, M.** Interactions of *Xanthomonas axonopodis* pv. *vesicatoria* 75-3/*hrp* mutants, the pathogenic parent, and the host plant. Abstract #N29. American Society for Microbiology, 98th General Meeting, Atlanta, GA.

INVITED PARTICIPATION AT NATIONAL OR INTERNATIONAL MEETINGS:

- 2005 **Wilson, M.** Molecular interactions between *Xanthomonas* and its host. Phyllosphere 2005, 8th International Symposium on the Microbiology of Aerial Plant Surfaces, Oxford University, Oxford, U.K., July 2005. Invited by Dr. Mark Bailey.
- 2000 Invited to chair session on "Genetics of Pathogenicity" at the International Conference on Plant Pathogenic Bacteria, Prince Edward Island, Canada, 2000.
- 1998 **Wilson, M.** Mechanisms of antagonism and strategies of biological control of plant diseases by *P. fluorescens* A506. Section. Systems of augmentation: Biological control and frost injury with the competitive bacterium *Pseudomonas fluorescens* A506. Berkeley, CA. June 10th, 1998. Invited by Dr. S.E. Lindow.
- 1997 **Wilson, M.** Molecular approaches involved in the development of biocontrol agents of bacterial speck and spot of tomato. IOBC/EFPP Workshop, Molecular Approaches in Biological Control. Delemont, Switzerland, September 15-18, 1997. Invited by Dr. G. Defago.
- 1996 **Wilson, M.** Ecological basis for the use of natural antagonists to control postharvest diseases. International Conference on Technology Transfer in Biological Control: From Research to Practice. Montpellier, France, September 9-11, 1996. Invited by Dr. C. Wilson.
- 1996 **Wilson, M.** An integrated biological control strategy for foliar bacterial diseases of tomato. International Conference on Technology Transfer in Biological Control: From Research to Practice. Montpellier, France, September 9-11, 1996. Invited by Dr. N. Fokkema.
- 1996 **Wilson, M.** Biological control of aerial plant diseases. Society for Industrial Microbiology, Research Triangle Park, Durham, NC, August 4-9, 1996. Invited by Dr. C. Wilson.
- 1995 **Wilson, M.** The role of host plant products in biological control in the phyllosphere. Colloquium: Influence of the plant on biological control agents. APS, Pittsburgh, PA, August 12-16, 1995.
- 1995 Invited to chair session "Biological and Chemical Control of Fire Blight", Seventh International Workshop on Fire Blight, Ontario, Canada, August 7-10, 1995.
- 1992 Co-chair of session "Biological and Chemical Control of Fire Blight", Sixth International Workshop on Fire Blight, Athens, Greece, October 20-23, 1992.
- 1992 **Wilson, M.** Intra- and interspecific variability in competitiveness of *Pseudomonas syringae* and other phyllosphere bacteria. APS Colloquium: Variability in Bacterial Pathogens - Significance and Implications. Portland, Oregon, August 8-12, 1992. Invited by Dr. S. Hirano.

INVITED ORAL PRESENTATIONS AT U.S. UNIVERSITIES OR INSTITUTIONS:

- 2003 **Wilson, M.** Host-pathogen interactions in the *Xanthomonas campestris* pv. *tomato* – tomato pathosystem. Texas A&M University, March 5th, 2003. Invited by Dr. Karen-Beth Scholthoff.
- 2001 **Wilson, M.** Host-pathogen interactions between *Xanthomonas campestris* pv. *vesicatoria* and tomato. Colorado State University. November 29th, 2001. Invited by Dr. C. Lawrence.
- 1998 **Wilson, M.** Suppression of bacterial diseases with nonpathogens and *hrp* mutants. Dept. of Plant Pathology, Kansas State University, Manhattan, KS. February 26th, 1998. Invited by Dr. J.E. Leach.
- 1997 **Wilson, M.** Novel approaches in the development of biological control agents for speck and spot of tomato. Dept. of Biology, University of West Florida, Pensacola, FL, November 18th, 1997. Invited by Dr. M.A. Savka.
- 1997 **Wilson, M.** Novel approaches in the development of biological control agents for speck and spot of tomato. Dept. of Plant Pathology, University of California, Davis, October 14, 1997. Invited by Dr. B. Kirkpatrick.

- 1997 **Wilson, M.** Biotechnology and ecology in the development of foliar bacterial diseases of tomato. Microbial Ecology Seminar Series, Dept. of Plant Pathology, University of Minnesota, St. Paul, MN, May 22, 1997. Invited by Dr. L.L. Kinkel.
- 1997 **Wilson, M.** Biotechnology and ecology in the development of foliar bacterial diseases of tomato. Gulf Coast Research and Education Center, University of Florida, Bradenton, FL. April 8, 1997. Invited by Dr. J.B. Jones.
- 1997 **Wilson, M.** Biotechnology and ecology in the development of foliar bacterial diseases of tomato. MSU-DOE Plant Research Laboratory, Michigan State University, East Lansing, MI. March 20, 1997. Invited by Dr. F.J. de Bruijn.
- 1997 **Wilson, M.** Manipulation of epiphytic bacterial populations to achieve biocontrol of foliar bacterial diseases. Dept. of Biology, Western Michigan University, Kalamazoo, MI, March 19, 1997. Invited by Dr. S. Rossbach.
- 1996 **Wilson, M.** The role of ecology in the development of biocontrol of foliar bacterial pathogens. Dept. of Microbiology and Molecular Genetics, Oklahoma State Univ., Stillwater, OK, March 25, 1996. Invited by Dr. D. Demezas.
- 1994 **Wilson, M.** Modeling and manipulating nutritional relationships in epiphytic bacterial communities. MSU-DOE Plant Research Laboratory. Invited by Dr. F.J. de Bruijn and Dr. S. Rossbach.
- 1993 **Wilson, M.** Biological control of fire blight and frost injury in pear. Appalachian Fruit Research Station, Kearneysville, WV. Invited by Dr. T. Van Der Zwet.

PUBLISHED MICROGRAPHS:

- 2011 Scanning electron micrographs. Figs. 27-30, Chap. 10. pp. 158-159. *In* van der Zwet, Halbrecht and Zeller, Fire Blight: History, Biology and Management. APS Publishing.
- 2000 Scanning electron micrographs. Thomson, S.V. Epidemiology of Fire Blight. *In* Fire Blight: The Disease and its Causative Agent, *Erwinia amylovora*. Ed. J. Vanneste. CABI Publishing.
- 1995 Scanning electron micrographs - Ch 2. Vanneste, J.L. *Erwinia amylovora*. *In* Pathogenesis and Host-Parasite Specificity in Plant Diseases: Vol. I. Ed. Singh, U.S., Singh, R.P., and Kohmoto, K. Pergamon Press, U.K.
- 1993 Scanning electron micrographs - Ch. 4, p. 83. Sigeo, D.C. Bacterial Plant Pathology: Cell and Molecular Aspects. Cambridge University Press.
- 1990 Immuno-gold labeled transmission electron micrograph, p. 37; scanning electron micrograph, p. 39. Sigeo, D.C. Microscopical techniques for bacteria. Ch. 1.3. *In* Methods in Phytobacteriology. Ed. Z. Klement, K. Rudolph, and D.C. Sands. Akademiai Kiado, Budapest.

COMPETITIVE FEDERAL FUNDING:

- NRICGP **Wilson, M.**, and Jones, J.B. Interactions between *Xanthomonas campestris* pv. *vesicatoria* *hrp* mutants and the pathogenic parent. \$120,000. Two years: 1999-2001.
- SRIPM **Wilson, M.**, Jones, J.B., Sikora, E., and Louws, F.J. Integrated biological and chemical control of bacterial spot and speck of tomato. \$121,282. Two years: 1997-1999.
- NRICGP **Wilson, M.** Significance of resource limitation to biocontrol of epiphytic phytopathogenic bacteria. \$100,000. 1995-1998.
- NRICGP **Wilson, M.** Niche creation to improve efficacy of foliar biological control agents. \$100,000. 1995-1998.
- SRIPM **Wilson, M.**, Guertal, E.A., and Jones, J.B. Integrated approaches for control of foliar bacterial diseases of tomato and pepper. \$110,180. Two years: 1995-1997.

NSF Lindow, S.E. (**Wilson** - unlisted co-author). Resource partitioning among bacterial epiphytes in the phyllosphere. NSF BSR-9106782. \$247,476. 1991-1994.

NONCOMPETITIVE FUNDING:

Colorado College:

NSEC 2023: \$6,000
NSEC 2022: \$5,000
NSEC 2018: \$5,000
NSEC 2017: \$5,000
NSEC 2016: \$5,000
NSEC 2015: \$5,000
NSEC 2014: \$5,000
NSEC 2013: \$5,000
NSEC 2012: \$5,000
NSEC 2011: \$4,200
NSEC 2010: \$4,414
NSEC 2009: \$4,927
NSEC 2008: \$4,966
NSEC 2008: faculty-collaborative grant of \$2,500
NSEC 2007: two awards of \$2,546 and \$1,635
NSEC 2006: two awards of \$1,975 and \$2,606
NSEC 2004: three awards of \$2,920, \$1,430 and \$2,500
NSEC 2003: three awards of \$2,414, \$2,303, and \$2,352
NSEC 2002: two awards of \$2,561 and \$977.
NSEC 2001: two awards of \$2,000 each.
NSEC 2000: one award of \$3,000

Auburn University:

AAES Equipment funds - Image Analysis System. 1995, \$4,100.
AU Hort Biological control frost injury/bacterial spot peaches. 1995, \$5,000; 1996, \$4,400; 1997, \$4,400; 1998, \$4,400.
AU IPM Use of BlightBan A506 as a biocontrol agent of frost injury in peaches. 1996, \$2,000; 1997, \$2,000.
AU IPM Integrated control of bacterial spot of peach. 1998, \$2,000.
AU RGIA Novel strategy for the manipulation of populations of biocontrol agents of foliar pathogens and pests. 1995, \$9,000.
Campbells Integrated biological and chemical control of bacterial diseases of tomato. 1995, \$5,000.
Coll.of Agric. Equipment funds - Image Analysis System. 1995, \$4,040.
Griffin Control of bacterial spot on tomato and pepper. 1994, \$2,000; 1995, \$3,500.
Gustafson Biological control of foliar tomato diseases. 1995, \$15,252; 1996, \$18,000; 1997, \$12,000. 1998, \$12,000.
ISK Biotech Control of bacterial spot on tomato and pepper. 1994, \$3,000; 1995, \$3,000.
Novartis Use of CGA-245704 for control of bacterial spot in tomato. 1997, \$2,000; 1998, \$2,000.
OVGA Cuppels, D.A., and **Wilson, M.** Control of bacterial spot and bacterial speck of tomato through the introduction of microbial antagonists. 1996, \$5,000; 1997, \$8,300.
PHT Biological control of frost injury in peaches. 1997, \$2,000.
PHT Determination of variability in the biocontrol agent *P. fluorescens* A506. 1996, \$4,500.

MENTORING:

Post-doctoral researchers:

*Fajardo, Julius
*Zhang, Dunhua
*Zhang, Yongxiang

Graduate students (Major Professor):

*Dianese, Alexei M.S.
*Ji, Pingsheng Ph.D.
*Moss, William Ph.D.
*Press, Caroline M.S.

*Auburn University, Auburn, AL

Undergraduate Research Students at Colorado College (on-campus in my laboratory):

Becker, Elana (Non-credit research experience)
Beitner, Mike (BE409)
Belle, Carolyn (BY309)
Boyle, Brandi (BY309)
Bussey, Mary (BY499 - Senior thesis)
Callaway, Ewen (BY 499 - Senior thesis)
Canty, Caitlin (BY309)
Carroll, Rebecca (BY309)
Chang, Matt (Non-credit research experience, BY309)
Chase, Geoff (BY309 and BY409)
Chien, Lawrence (Non-credit research experience)
Copeland, Stella (Non-credit research experience)
Cully, Michelle (Non-credit research experience)
Daly, Rebecca (Non-credit research experience and BY499 - Senior thesis)
Dang, Angela (BY309)
Dupree, Katy (BY309; BE309; BE409; and BE499 Senior Thesis; post-graduation research)
Engels, Mary (BY499 - Senior thesis)
Erdkamp, Kim (BY309)
Ezelle, Julie (Non-credit research experience)
Frank, Graham (BY309, BY409, and BY499 Senior Thesis)
Garton, Rachel (BY499 - Senior thesis)
Griffeth, Val (BY309)
Hampson, Hailey (BE309)
Hannan, Philipp (BY309-ext.format and BY409)
Hensley, Izzy (Research experience, registered in Chemistry)
Honig, Jessica (Non-credit research experience)
Katz, Gabe (Credit in Chemistry)
Kenyon, Charlie (BY309)
Kellogg, Leah (BY309)
Kumagai, Abby (BY309)
Low, Hana (BY309-extended format)
Martin, Ruthie (BY309, BY409 and BY499 - Senior thesis)
MacKenzie, Avery (BY309, BY409, BY455 and BY499 - Senior thesis)
McKinnon, Joss (Non-credit research experience)
Mikros, Athena (BY309)
Mochizuki, Akie (BY309 and BY409)
Morgan, Wynne (BY309 and BY409)
Nakamura, Elle (BY309)
Neldner, Katie (Non-credit research experience)
Newby, Heather (Non-credit research experience)
Nguyen, Quynh (Non-credit research experience)
Pugh, Brian (Non-credit research experience and BY499 - Senior thesis)
Quick, Sunita (BY309)
Rines, Amy (Non-credit research experience)
Shan, Lilly (Non-credit research experience)
Sheade, Nina (Non-credit research experience, BY309 and BY499 - Senior thesis)
Shum, Andrew (BY309 and BY409)
Simon, Margo (BY309)
Smith, Martha (BY309)
Snyder, Ben (Non-credit research experience)
Sosa, Sonia (Non-credit research experience)
Sparks, Erin (BY409-extended format)
Staley, Patricia (Non-credit research experience and BY309)
Stayton, Taylor (BY309)
Suni, Sevan (BY309-extended format)
Vajrala, Anusha (Research experience, registered in Chemistry)
Volz, Caleb (Non-credit research experience)

Vosburgh, Brendan (BY409-extended format)
Ward, Raven (BE309, 409 and 499)
Walker, Ashlyn (credit in Chemistry)
Walker, Melissa (BY309 and BY409)
Wellman, Hannah (BY309)
Woolley, Meghan (BY409 and BY455)
Zhao, Kehan (BE309, summer research experience)

Note: "Non-credit research experience" refers most frequently to 10-weeks full-time research over the summer, but occasionally to non-309/409/499 research during the semester.

Secondary Senior Thesis Advisor:

Aldridge, Carol
Bartsch, Kyle
Knauss, Collin
Kreier, Freda
Nguyen, Quynh
Shepard, Anderson
Slay, Erin
Stonesmyth, E.
Suni, Sevan
Weitemier, Kevin
Wellman, Hannah

Undergraduate Research Students (off-campus):

Buchwald, Andrea (BY499)
De Rouen, Anthony (BY309)
Klein, Kristen (BY499)
Dooley, Keven (BY499)
Marlesa, Moore (BY309; 409)
Neldner, Katie (BY499)
Warshauer, Ben (BY499)

Junior High and High School students:

Nusbaum, Anna (Science Fair Project)
Pelican, Hanna (Science Fair Project)
Shankar, Aarthi (Science Fair Project)
Smith, Lauren (Science Fair Project - two years)
White, Mallory (Science Fair Project)
Zook, Forre (Science Fair Project)

High School Teachers:

Suazo, Abe

TECHNICIANS AND VISITING SCIENTISTS:

Technicians:

*Byrne, J. Research Assistant
*Campbell, L. Research Associate
Treat, Eric Former CC undergraduate
*Wang, S.-Y. Research Associate

Visiting Scientists:

Archila, Fredy
*Roine, Elina
*Romantschuk, Martin
Stoeckel, Don

*Auburn University, Auburn, AL