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Education: Earlham College, B.A. Chemistry 1998

Research Experience:

9/02-present: Graduate Research Assistant, Lab of Dr. Ann MacGuidwin, Dept of Plant Pathology, University of Wisconsin – Madison

2/00-7/01: Research Technician, Lab of Dr. Kathleen Giangiacomo, Dept. of Biochemistry, School of Medicine, Temple University, Philadelphia, PA

Summer '97: Research intern, Lab of Dr. Benjamin Miller, Dept. of Chemistry, University of Rochester

Spring '97: Independent Research, with Dr. Thomas Ruttledge, Dept. of Chemistry, Earlham College, Richmond, IN

Teaching Experience:

Fall '06: Interim Laboratory Coordinator “Plants, Parasites and People” Dept. of Plant Pathology University of Wisconsin-Madison

Spring '05: Teaching assistant “Plants, Parasites and People” Dept. of Plant Pathology University of Wisconsin-Madison

Fall '05 Guest lecturer “Plants, Parasites and People” Dept. of Plant Pathology University of Wisconsin-Madison

Spring '04 Guest lecturer “Parasitology” University of Wisconsin-Madison

9/01-6/02: Instructor of English, Shanghai University of Finance and Economics, Shanghai, China

10/98-6/99: Substitute teacher: Richmond and Bloomington, IN city school districts

Awards:

2006 Storkan-Hanes-McCaslin Foundation Award

2006 Best Student Paper, Society of Nematologists Annual Meeting

2006 Society of Nematologists Nathan A. Cobb Travel Award

2006-2007 Albert J. and Adelaide E. Riker-Plant Pathology Graduate Award

2006 University of Wisconsin–Madison Henry Vilas Travel Award

2005 Society of Nematologists Dow Travel Award

Professional Societies:

American Phytopathological Society

Society of Nematologists

Committees:

2006: Instructional Specialist Search Committee, Dept. of Plant Pathology

2005: Publicity Committee, Dept. of Plant Pathology
2004: Student recruitment team
2003-2005: Plant Pathology Graduate Student Council

Publications and Abstracts:

Schroeder N.E. and A.E. MacGuidwin . 2007. Incorporation of a fluorescent compound by *Heterodera glycines*. Journal of Nematology. 39(1):43-49

Schroeder N.E. and A.E. MacGuidwin. 2006. Uptake of FITC by *Heterodera glycines* is inhibited by stomal occlusion and quiescence. Society of Nematologists, Kauai, HI

Schroeder N.E. and A.E. MacGuidwin. 2005. Uptake and effect of fluorescein isothiocyanate by *Heterodera glycines*. Society of Nematologists, Ft. Lauderdale, FL

Schroeder N.E. and A.E. MacGuidwin. 2004. Density-dependent effects on hatch in the soybean cyst nematode. Society of Nematologists, Estes Park, CO

Schroeder N., Mullmann T.J., Schmalhofer W.A., Gao Y.D., Garcia M.L., and K.M. Giangiacomo. 2002. Glycine 30 in iberiotoxin is a critical determinant of its specificity for maxi-K versus K_v channels. FEBS Letters. 527(1-3):298-302

Mullmann T.J., Spence K.T., **Schroeder N.E.**, Fremont V., Christian E.P., and K.M. Giangiacomo. 2001. Insights into alpha-K toxin specificity for K^+ channels revealed through mutations in noxiustoxin. Biochemistry. 40(37):10987-10997