

Curriculum Vitae

**DAVID H. WISE**

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**Education**

1974 Ph.D. (Zoology), University of Michigan  
1969 M.S. (Zoology), University of Michigan  
1967 B.A. with Distinction (Zoology), Swarthmore College

**Positions**

2009- Associate Director, UIC Institute for Environmental Science and Policy  
2006- Professor of Biological Sciences & Research Professor in the Institute for  
Environmental Science and Policy, University of Illinois at Chicago  
2007- Research Associate in Zoology, Field Museum, Chicago  
2006 Fulbright Scholar, University of Buenos Aires, Argentina  
1993-2006 Professor of Entomology, University of Kentucky  
1981-93 Associate Professor of Biological Sciences, University of Maryland, Baltimore  
County (UMBC)  
Affiliate Associate Professor of Zoology, University of Maryland, College Park  
1985-86 Alexander von Humboldt Research Fellow, University of Göttingen, Federal  
Republic of Germany  
1976-81 Assistant Professor of Biological Sciences, UMBC  
1974-76 Assistant Professor of Biology, University of New Mexico  
1970-71 Lecturer in Zoology, University of Michigan  
1969-70 Instructor in Biology, Albion College

**Fellowships, Awards and Honors**

2006 Fulbright Scholar Award, Argentina  
1985-86 Alexander von Humboldt Research Fellowship  
1971-74 NSF Graduate Fellowship  
1968 NSF Graduate Fellowship  
1969 Phi Kappa Phi, University of Michigan  
1967 Phi Beta Kappa, Swarthmore College  
Sigma Xi, Swarthmore College

## **RESEARCH SUPPORT**

### **Current Funding**

- 2009-2013 NSF DEB-BE-0909451 (\$474,439; PI): “CNH: Collaborative Research: Coupled natural-human systems in the Chicago Wilderness: Evaluating the biodiversity and social outcomes of different models of restoration planning” (Co-PI: Moira Zellner) (One of four collaborative grants totaling \$1,474,491; collaborators from DePaul University, US Forest Service, Field Museum and UIUC)
- 2009-2011 Gaylord and Dorothy Donnelley Foundation (\$236,000; Co-PI): “Chicago Wilderness land management research program: Building upon the foundations” (PI: Liam Heneghan, DePaul University).
- 2009-2012 NSF DEB-0919276 (\$432,209; Co-PI): “Effects of long-term elevated CO<sub>2</sub> on earthworm populations, bioturbation and carbon sequestration in soils” (PI: Yaniria Sánchez-de León; other Co-PI’s: Miquel Gonzalez-Meler and Neil Sturchio)
- 2009-2010 Interdisciplinary Research Program, UIC College of Liberal Arts and Sciences (\$10,000; Co-PI): “Management of woodland biodiversity in Chicagoland: Using agent-based modeling to understand the dynamics of a linked social ecological system” (Co-PI: Moira Zellner)
- 2009-2010 Seed Grant, UIC Institute for Environmental Science and Policy (\$17,000; Co-PI): “Laying the groundwork for a successful ULTRA (Urban Long Term Research Areas) planning grant” (Other Co-PI’s: Emily Minor and Moira Zellner)
- 2007-2010 NSF DEB-0735236 (\$114,826; PI): “OPUS: Control processes and interaction pathways in terrestrial food webs”

### **Pending Proposals**

- 2010-12 NSF 0948484 (\$299,920; PI): “ULTRA-Ex: Connecting the social and ecological sciences with planners, managers, and the public: Building a broad foundation for the Chicago Region ULTRA” (Co-PI’s: Chicago Department of Environment -- Aaron Durnbaugh; DePaul University -- Liam Heneghan; Field Museum -- Jennifer Hirsch; Lincoln Park Zoo -- Eric Lonsdorf; Loyola University -- Nancy Tuchman; Purdue University -- Bryan Pijanowski; UIC -- Emily Minor, Moira Zellner; US Forest Service -- Paul Gobster, Susan Stewart, Lynne Westphal
- the
- 2010-12 NSF DEB 0949698 (\$377,226; PI): "Collaborative Research: Environmental factors promoting establishment of an invasive shrub, and belowground consequences of shrub invasion, in urban woodlands" (Collaborator: Liam Heneghan, DePaul University (\$49,551; PI)

### **Past Funding**

- 2005-07 Award to Postdoctoral Researcher: Dr. Alberto de Castro-Gil – Fulbright Fellowship, Spanish Ministry of Education and Science: “Effect of fallen dead wood on the density and diversity of spiders (Order Araneae) and their influence on the rate of wood decomposition”
- 2005-07 Consejo Superior de Investigaciones Científicas (Ministerio de Educación y Ciencia de España) CGL2004-03153/BOS (€50,000): “El canibalismo sexual y la

- coevolución de los sexos: experimentos y modelos con tarántulas mediterraneas” (“Sexual cannibalism and co-evolution of the sexes: experiments and models with Mediterranean tarantulas”) (Principal Investigator: Jordi Moya-Laraño; Co-Investigators: Miguel Ángel Rodríguez-Gironés, Carmen Fernández-Montraveta, David Wise).
- 2001-06 Kentucky Agricultural Experiment Station Hatch Project KY008024: "Impacts of interactions among generalist arthropod predators in two complex food webs: vegetable-crop gardens and forest-floor leaf litter"
- 2006 Fulbright Commission of Argentina and the U.S. Fulbright Scholar Program, Council for International Exchange of Scholars: “Generalist predators and the dynamics of terrestrial food webs.” Award to teach a graduate course at the University of Buenos Aires, March – June.
- 2003-2004 REU Supplement to NSF Grant DEB-9815842 (\$6,000): “Research Experiences for Undergraduates”
- 2000-2004 REU Supplement to NSF Grant DEB-9815842 (\$10,000): “Research Experiences for Undergraduates”
- 1999-2004 NSF Grant DEB-9815842 (\$275,000): “Trophic cascades and interacting control processes in a detritus-based terrestrial food web”
- 2000-02 Award to Postdoctoral Researcher: Dr. Jordi Moya-Laraño – Fulbright Fellowship, Spanish Ministry of Education and Culture (\$45,000: “Behavioral mechanisms in extreme interference competition”)
- 1997-01 EPA Grant G71A0056 (\$147,133): "Biocontrol by native generalist predators: a strategy for reducing pesticide use in vegetable production"
- 1995-01 Kentucky Agricultural Experiment Station Project KY008005: "Impacts of spiders in food webs of crop and forest-floor ecosystems"
- 1998-00 Award to Postdoctoral Researcher: Dr. Juraj Halaj -- NSF Postdoctoral Research Fellowship in Biosciences Related to the Environment (\$80,000): “Soil detritivores as energy subsidies to generalist predatory arthropods in terrestrial food webs”
- 1994-00 NSF Grant DGE-9355093 -- Graduate Research Traineeships (10 Co-P.I.'s; P. Crowley, P.I.; \$538,000) -- "Graduate training in evolutionary ecology at the University of Kentucky
- 1997-99 Lexington Campus Research Advisory Committee Grant (\$3,972): “Spacing mechanisms in spiders: territoriality and agonistic interactions”
- 1997-99 NSF Grant DEB-9701180 (William E. Snyder, Co-PI; \$7,260): "Dissertation research: Control of insect populations by generalist predators: impact of intraguild predation"
- 1996-99 Award to doctoral student: Jordi Moya-Laraño -- Graduate Fellowship for the General Promotion of Knowledge, Spanish Ministry of Education and Culture (\$35,840 stipend plus \$11,320 for studies in the USA)
- 1993-98 Award to doctoral student: Patchanee Tuntibunpakul --Graduate Fellowship, Institute for the Promotion of Teaching Science and Technology, Thailand (\$108,000)
- 1993-97 NSF Grant DEB-9306692 (\$204,500): "Control processes in a terrestrial food web: trophic interactions of a generalist predator."
- 1993-95 NSF SGER Grant DEB-9221786 (\$20,969): "SGER: A new approach to understanding food webs of the forest-floor arthropod community."

- 1992-93 Support from the Designated Research Initiative Fund (DRIF), Department of Biological Sciences, UMBC (\$5,000)
- 1992 Support [Graduate Research Assistantship (fall semester)] from the University of Maryland Graduate School, Baltimore (\$5,000): "Determining the prey spectrum of a common wolf spider using protein electrophoresis."
- 1991-92 Special Research Initiative Support (SRIS), University of Maryland Graduate School, Baltimore (\$17,000): "Development of an electrophoretic technique to analyze the diets of spiders" and DRIF Support, Biological Sciences (\$3,750)
- 1990-91 SRIS Grant, Graduate School (\$9,000): "An experimental analysis of the role of spiders and other top arthropod predators in a forest-floor community" and DRIF Support, Biological Sciences (\$3,600)
- 1987-90 DRIF Support, Biological Sciences (\$11,400)
- 1985-86 Alexander von Humboldt Foundation (46,000DM): "Mathematical modelling and empirical studies of decomposition in a beech forest." Research conducted in the Division of Ecology at the University of Göttingen, Germany
- 1982-84 NSF Grant DEB-8119309 (\$51,000): "Phenotypic flexibility and genetic variation in a life history character."
- 1979-81 NSF Grant DEB-7911744 (\$35,471): "Competition, predation, and environmental heterogeneity in the ecology of web-building spiders."  
NSF Grant DEB-7904941 (C.C. Horton, co-PI); \$59,600): "Competition between two sympatric species of orb-web spiders."
- 1977-79 NSF Grant DEB-7700484 (\$48,700): "Interspecific competition and the structure of terrestrial arthropod communities." (This grant, a modification of DEB-7609777, was awarded after submission of a revised research proposal that included additional studies to be performed in Maryland. The award amount was the unexpended portion of DEB-7609777.)
- 1976 NSF Grant DEB-7609777 (\$55,800): "Interspecific competition and the structure of tenebrionid communities." (This grant terminated when I left the University of New Mexico. Research initiated under this grant continued under DEB-7700484.
- 1975-76 American Philosophical Society Grant (\$850) and Grant-in-Aid of Research from Sigma Xi (\$150): "Interspecific competition and the structure of tenebrionid beetle communities  
Research Allocations Committee Grant, University of New Mexico (\$2,600): "Interactions within communities of darkling beetles (Coleoptera: Tenebrionidae)."

## **PUBLICATIONS**

### **Books**

Wise, D. H. 1993. *Spiders in Ecological Webs*. Cambridge Studies in Ecology, Cambridge University Press. Cambridge (UK). 328 p. (Paperback Edition, 1995).

### **Book Chapters**

Moya-Laraño, J., J. A. Barrientos and D. H. Wise. 2000. Tria activa dels llocs de cacera a la taràntula mediterrània ("Active hunting site selection in the Mediterranean tarantula"). pp. 101-104, In: *III. Trobada d' estudiosos del Garraf-Monographs*, 30. Diputacio de

- Barcelona, Servei de Parcs Naturals. Barcelona.
- Polis, G. A., D. H. Wise, S. D. Hurd, F. Sanchez-Piñero, J. D. Wagner, C. T. Jackson and J. D. Barnes. 1998. The interplay between natural history and field experimentation. pp 254-280, *In: Experimental Ecology: Issues and Perspectives*. W.J. Resetarits and J. Bernardo, eds. Oxford University Press. Oxford (UK).
- Wise, D. H. 1984. The role of competition in spider communities: insights from field experiments with a model organism. pp 42-53, *In: Ecological Communities: Conceptual Issues and the Evidence*. D. R. Strong, D. S. Simberloff, L. G. Abele and A. Thistle, eds. Princeton University Press. Princeton, NJ.

### **Refereed Journal Articles**

- Castro, A. and D. H. Wise. 2009. Influence of fine woody debris on spider diversity and community structure in forest leaf litter. *Biodiversity and Conservation*. Pre-publication on line (Biodivers Conserv DOI 10.1007/s10531-009-9674-7)
- Rabáneda-Bueno, R., M. A. Rodríguez-Gironés, S. Aguado de la Paz, C. Fernández-Montraveta, D. H. Wise and J. Moya-Laraño. 2008. Sexual cannibalism: High incidence in a natural population with benefits to females. *PLoS ONE* 3(10): e3484  
doi:10.1371/journal.pone.0003484.
- Birkhofer, K., A. Fließbach, D. H. Wise and S. Scheu. 2008. Generalist predators in organically and conventionally managed grass-clover fields: implications for conservation biological control. *Annals of Applied Biology* 153: 271-280.
- Birkhofer, K., E. Gavish-Regev, K. Endlweber, Y. D. Lubin, K. von Berg, D. H. Wise and S. Scheu. 2008. Cursorial spiders retard initial aphid population growth at low densities in winter wheat. *Bulletin of Entomological Research* 98: 249-255.
- Birkhofer, K., S. Scheu and D. H. Wise. 2008. Subsidy from the detrital food web, but not microhabitat complexity, affects the role of generalist predators in an aboveground herbivore food web. *Oikos* 117: 494-500.
- Birkhofer, K., S. Scheu and D. H. Wise. 2007. Small-scale spatial pattern of web-building spiders (Araneae) in alfalfa: Relationship to disturbance from cutting, prey availability and intraguild interactions. *Environmental Entomology* 36: 801-810.
- Moya-Laraño, J. and D. H. Wise. 2007. Two simple strategies of analysis to increase the power of experiments with multiple response variables. *Basic and Applied Ecology* 8: 398-410.
- Moya-Laraño, J. and D. H. Wise. 2007. Direct and indirect effects of ants on a forest-floor food web. *Ecology* 88: 1454-1465.
- Harwood, J. D., M. R. Bostrom, E. E Hladilek, D. H. Wise and J. J. Obrycki. 2007. An order-specific monoclonal antibody to Diptera reveals the impact of alternative prey on spider feeding behavior in a complex food web. *Biological Control* 41: 397-407.
- Lensing, J. R. and D. H. Wise. 2007. Impact of changes in rainfall amounts predicted by climate-change models on decomposition in a deciduous forest. *Applied Soil Ecology* 35: 523-534.
- Lensing, J. R. and D. H. Wise. 2006. Predicted climate change alters a trophic cascade that affects an ecosystem process. *Proceedings of the National Academy of Sciences (USA)* 103: 15502-15505.
- Williams, J. L., J. Moya-Laraño and D. H. Wise. 2006. Burrow decorations as antipredatory devices. *Behavioral Ecology* 17: 586-590.
- Wise, D. H., D. M. Moldenhauer and J. Halaj. 2006. Using stable isotopes to reveal shifts in prey consumption by generalist predators. *Ecological Applications* 16: 865-876.

- Shultz, B. J., J. R. Lensing, and D. H. Wise. 2006. Effects of altered precipitation and wolf spiders on the density and activity of forest-floor Collembola. *Pedobiologia* 50: 43-50.
- Wise, D. H. 2006. Cannibalism, food limitation, intraspecific competition and the regulation of spider populations. *Annual Review of Entomology* 51: 441-465.
- Lensing, J. R., S. Todd and Wise, D.H. 2005. The impact of altered precipitation on spatial stratification and activity-densities of springtails (Collembola) and spiders (Araneae). *Ecological Entomology* 30: 194-200.
- Moya-Laraño, J., J. Pascual and D. H. Wise. 2004. Approach strategy by which male Mediterranean tarantulas adjust to the cannibalistic behaviour of females. *Ethology* 110: 717-724.
- Wise, D. H. 2004. Wandering spiders limit densities of a major microbi-detritivore in the forest-floor food web. *Pedobiologia* 48: 181-188.
- Lensing, J. R. and D. H. Wise. 2004. A test of the hypothesis that a pathway of intraguild predation limits densities of a wolf spider. *Ecological Entomology* 29: 294-299.
- Lawrence, K. L. and D. H. Wise. 2004. Unexpected indirect effect of spiders on the rate on litter disappearance in a deciduous forest. *Pedobiologia* 48: 149-157.
- Moya-Laraño, J., J. Pascual and D. H. Wise. 2003. Mating patterns in late-maturing female Mediterranean tarantulas reflect the costs and benefits of sexual cannibalism. *Animal Behaviour* 66: 469-476.
- Williams, J. L., and D. H. Wise. 2003. Avoidance of wolf spiders (Araneae: Lycosidae) by striped cucumber beetles (Coleoptera: Chrysomelidae): laboratory and field studies. *Environmental Entomology* 32: 633-640.
- Wagner, J.D., S. Toft and D. H. Wise. 2003. Spatial stratification in litter depth by forest-floor spiders. *Journal of Arachnology* 31: 28-39.
- Moya-Laraño, J., J. M. Orta-Ocaña, J. A. Barrientos, C. Bach and D. H. Wise. 2003. Intriguing compensation by adult female spiders for food limitation experienced as juveniles. *Oikos* 101: 539-548.
- Halaj, J. and D. H. Wise. 2002. Impact of a detrital subsidy on trophic cascades in a terrestrial grazing food web. *Ecology* 83:3141-3151.
- Moya-Laraño, J., J. Halaj and D. H. Wise. 2002. Climbing to reach females: Romeo should be small. *Evolution* 56: 420-425.
- Moya-Laraño, J., J. M. Orta-Ocaña, J. A. Barrientos, C. Bach and D. H. Wise. 2002. Territoriality in a cannibalistic burrowing wolf spider. *Ecology* 83: 356-361.
- Vichitbandha, P. and D. H. Wise. 2002. A field experiment on the effectiveness of spiders and carabid beetles as biocontrol agents in soybean. *Agricultural and Forest Entomology* 4:31-38.
- McNabb, D. M., J. Halaj and D. H. Wise. 2001. Inferring trophic positions of generalist predators and their linkage to the detrital food web in agroecosystems: a stable isotope analysis. *Pedobiologia* 45: 289-297.
- Snyder, W. E. and D. H. Wise. 2001. Contrasting trophic cascades generated by a community of generalist predators. *Ecology* 82: 1571-1583.
- Williams, J. L, W. E. Snyder and D. H. Wise. 2001. Sex-based differences in anti-predator behavior in the spotted cucumber beetle (Coleoptera: Chrysomelidae). *Environmental Entomology* 30: 327-332.
- Kreiter, N. A. and D. H. Wise. 2001. Prey availability limits fecundity and influences the movement pattern of female fishing spiders. *Oecologia* 127: 417-424.
- Halaj, J. and D. H. Wise. 2001. Terrestrial trophic cascades: how much do they trickle?

- American Naturalist 157: 262-281.
- Moya-Laraño, J. and D. H. Wise. 2000. Survival regression analysis: a powerful tool for evaluating fighting and assessment. *Animal Behaviour* 60: 307-313.
- Snyder, W. E. and D. H. Wise. 2000. Antipredator behavior of spotted cucumber beetles (Coleoptera: Chrysomelidae) in response to predators that pose varying risks. *Environmental Entomology* 29: 35-42.
- Lawrence, K. L. and D. H. Wise. 2000. Spider predation on forest-floor Collembola and evidence for indirect effects on decomposition. *Pedobiologia* 44: 33-39.
- Wise, D. H. and B. Chen. 1999. Impact of intraguild predators on survival of a forest-floor wolf spider. *Oecologia* 121: 129-137.
- Wise, D. H., W. E. Snyder, P. Tuntibunpakul and J. Halaj. 1999. Spiders in decomposition food webs of agroecosystems: theory and evidence. *Journal of Arachnology* 27: 363-370.
- Snyder, W. E. and D. H. Wise. 1999. Predator interference and the establishment of generalist predator populations for biocontrol. *Biological Control* 15: 283-292.
- Toft, S. and D. H. Wise. 1999. Growth, development and survival of a generalist predator fed single- and mixed-species diets of different quality. *Oecologia* 119: 191-197.
- Toft, S. and D. H. Wise. 1999. Behavioral and ecophysiological responses of a generalist predator to single- and mixed-species diets of different quality. *Oecologia* 119: 198-207.
- Chen, B. and D. H. Wise. 1999. Bottom-up limitation of predaceous arthropods in a detritus-based terrestrial food web. *Ecology* 80: 761-772.
- Wise, D. H. and B. Chen. 1999. Vertebrate predation does not limit density of a forest-floor wolf spider: evidence from a field experiment. *Oikos* 84: 209-214.
- Moya-Laraño, J., J. A. Barrientos, J. M. Orta-Ocaña, C. Bach Piella and D. H. Wise. 1998. Limitación por la comida en las tarántulas de Cabo de Gata (Almería) ["Food limitation in tarantulas of 'Cabo de Gata' (Almería)"]. *Investigación y Gestión del Medio Natural* 3: 73-77.
- Chen, B. and D. H. Wise. 1997. Responses of forest-floor fungivores to experimental food enhancement. *Pedobiologia* 41: 316-326.
- Wagner, J. D. and D. H. Wise. 1997. Influence of prey availability and conspecifics on patch quality for a cannibalistic forager: laboratory experiments with the wolf spider *Schizocosa*. *Oecologia* 109: 474-482.
- Kreiter, N. and D. H. Wise. 1996. Age-related changes in movement patterns in the fishing spider, *Dolomedes triton*. *Journal of Arachnology* 24: 24-33.
- Wagner, J. D. and D. H. Wise. 1996. Cannibalism regulates densities of young wolf spiders: evidence from field and laboratory experiments. *Ecology* 77: 639-652.
- Wise, D. H. and M. Schaefer. 1994. Decomposition of leaf litter in a mull beech forest: comparison between canopy and herbaceous species. *Pedobiologia* 38: 269-288.
- Wise, D. H. and J. D. Wagner. 1992. Evidence of exploitative competition among young stages of the wolf spider *Schizocosa ocreata*. *Oecologia* 91: 7-13.
- Wise, D. H. 1989. Modelling of energy flow in forest decomposer communities (Zur Funktion der Fauna in einem Mullbuchenwald 19). *Verhandlungen der Gesellschaft für Ökologie* 17: 327-340.
- Reillo, P. R. and D. H. Wise. 1988. An experimental evaluation of selection on color morphs of the polymorphic spider *Enoplognatha ovata*. *Evolution* 42: 1172-1189.
- Reillo, P. R. and D. H. Wise. 1988. Temporal and spatial patterns of morph frequency variation among coastal Maine populations of the polymorphic spider *Enoplognatha ovata*. *American Midland Naturalist* 119: 337-354.

- Reillo, P. R. and D. H. Wise. 1988. Genetics of color expression in the spider *Enoplognatha ovata* (Araneae: Theridiidae) from coastal Maine. *American Midland Naturalist* 119: 318-326.
- Reillo, P. R. and D. H. Wise. 1987. Black-stripe phenotypes in the spider *Enoplognatha ovata* (Araneae: Theridiidae). *Journal of Arachnology* 15: 419-423.
- Wise, D. H. 1987. Rearing studies with a spider exhibiting a variable phenology: no evidence of substantial genetic variation. *Bulletin of the British Arachnological Society* 7: 107-110.
- Martyniuk, J. and D. H. Wise. 1985. Stage-biased overwintering survival of the filmy dome spider (Araneae, Linyphiidae). *Journal of Arachnology* 13: 321-329.
- Wise, D. H. and P. R. Reillo. 1985. Frequencies of color morphs in four populations of *Enoplognatha ovata* (Araneae: Theridiidae) in eastern North America. *Psyche* 92: 135-145.
- Wise, D. H. 1985. Negative correlation between numbers of a darkling beetle and a carabid predator. *Southwestern Naturalist* 30: 148-150.
- Larcher, S. F. and D. H. Wise. 1985. Experimental studies of the interactions between a web-invading spider and two host species. *Journal of Arachnology* 13: 43-59.
- Wise, D. H. 1984. Phenology and life history of the filmy dome spider (Araneae: Linyphiidae) in two local Maryland populations. *Psyche* 91: 267-288.
- Wise, D. H. 1983. Competitive mechanisms in a food-limited species: relative importance of interference and exploitative interactions among labyrinth spiders (Araneae: Araneidae). *Oecologia* 58: 1-9.
- Horton, C. C. and D. H. Wise. 1983. The experimental analysis of competition between two syntopic species of orb-web spiders (Araneae: Araneidae). *Ecology* 64: 929-944.
- Wise, D. H. and J. L. Barata. 1983. Prey of two syntopic spiders with different web structures. *Journal of Arachnology* 11: 271-281.
- Wise, D. H. 1982. Predation by a commensal spider, *Argyrodes trigonum*, upon its host: an experimental study. *Journal of Arachnology* 10: 111-116.
- Wise, D. H. 1981. Inter- and intraspecific effects of density manipulations upon females of two orb-weaving spiders (Araneae: Araneidae). *Oecologia* 48: 252-256.
- Wise, D. H. 1981. A removal experiment with darkling beetles: lack of evidence for interspecific competition. *Ecology* 62: 727-738.
- Wise, D. H. 1981. Seasonal and yearly patterns in the densities of darkling beetles in a montane community (Coleoptera: Tenebrionidae). *Environmental Entomology* 10: 350-358.
- Wise, D. H. 1979. Effects of an experimental increase in prey abundance upon the reproductive rates of two orb-weaving spider species (Araneae: Araneidae). *Oecologia* 41: 289-300.
- Wise, D. H. and M. C. Molles. 1979. Colonization of artificial substrates by stream insects: influence of substrate size and diversity. *Hydrobiologia* 65: 69-74.
- Wise, D. H. 1976. Variable rates of maturation of the spider, *Neriene radiata* (Linyphia marginata). *American Midland Naturalist* 96: 66-77.
- Wise, D. H. 1975. Food limitation of the spider *Linyphia marginata*: experimental field studies. *Ecology* 56: 637-646.
- Wise, D. H. 1973. Egg cocoon of the filmy dome spider, *Linyphia marginata* C.L. Koch (Araneae: Linyphiidae). *Journal of Arachnology* 1: 143-144.
- Wise, D. H. 1967. Home range of a wandering shrew, *Sorex vagrans*, by tracking. *Journal of Mammalogy* 48: 490-492.

## **Book Reviews**

- Wise, D. H. 2007. Spiders for amateurs and professionals. Review of *Spiders of North America: An Identification Manual*. *BioScience* 57: 294-296.
- Wise, D. H. 1980. Review of *Investigating Animal Abundance: Capture-Recapture for Biologists* by M. Begon. *Quarterly Review of Biology* 55: 305-306.

## **Invited Plenary Addresses, Symposia Lectures and Workshop Presentations**

- Wise, D.H. 2008. Lessons from Chicago Wilderness. Workshop on “Building conservation partnerships: Transcending cultural, economic, and political boundaries,” National Council for Science and the Environment Conference on Biodiversity in a Changing World, Washington, D.C.
- Wise, D. H. 2008. Developing a trans-disciplinary project to research the dynamics of coupled natural-human systems in Chicagoland. Meeting on “Resilience Thinking,” Center for Humans and Nature, and the New School for Social Research, New York City.
- Wise, D. H. 2007. Food webs, ecosystem processes, leaf litter and spiders: The Göttingenconnection. Abschiedssymposium: Die Ökologie im Spannungsfeld der biologischen Disziplinen – die Gegenwart und die Zukunft (“Ecology across the spectrum of biological disciplines: present and future”), Göttingen, Germany.
- Wise, D. H. 2006. Species diversity, food-web functioning and ecosystem processes in forests (Graduate seminar for Graduierentkolleg 1086: The role of biodiversity for biogeochemical cycles and biotic interactions in temperate deciduous forests), Göttingen Centre for Biodiversity and Ecology, University of Göttingen, Germany.
- Wise, D. H. 2006. Las arañas como modelo de predadores generalistas en redes tróficas (“Spiders as a model of generalist predators in food webs”) (Graduate Seminar), Faculty of Sciences, University of the Republic, Montevideo, Uruguay.
- Wise, D. H. 2005. Las arañas: un modelo para entender la ecología y la evolución del canibalismo (“The spiders: a model for understanding the ecology and evolution of cannibalism”). Invited address, First Latin American Congress of Arachnology and Fifth Meeting of the Arachnologists of the Southern Cone, Lavalleja, Uruguay.
- Wise, D. H. 2005. Lectures and workshop on forest-floor spiders, trophic interactions, and litter decomposition, Department of Life Science, Tunghai University, Taichung, Taiwan.
- Wise, D. H. 2004. Detrital subsidies, altered feeding preferences, and the effectiveness of spiders and carabids in biological control. Session on “Organic farming and generalist predators,” Workshop on “Environmentally Friendly Agriculture and Soil Biodiversity.” Research Institute of Organic Agriculture, Frick, Switzerland.
- Wise, D. H. 2004. Spider ecology: state of the art and future prospects. Opening Plenary Address, 16<sup>th</sup> International Congress of Arachnology, Ghent, Belgium.
- Wise, D. H. 2004. Enhancing the biocontrol effectiveness of generalist arthropod predators by manipulating the detrital food web. Symposium: “Conserving natural enemies in the urban and agricultural landscape.” Meeting of the Entomological Society of America, North Central Branch, Kansas City.
- Wise, D. H., McNabb, D., and Halaj, J. 2003. Impact of a detrital subsidy on feeding preferences of spiders and carabids in cucurbit crops: a stable-isotope analysis. Symposium: “Stable isotopes in basic and applied entomology.” Annual Meeting of the Entomological Society of America, Cincinnati.

- Wise, D. H. 2002. Detrital subsidies and the strength of trophic cascades. Symposium: "Trophic cascades in complex and simple terrestrial systems" Annual Meeting of the Ecological Society of America, Tucson, Arizona.
- Wise, D. H. 2002. El papel de las arañas y otros depredadores generalistas en el control de plagas de insectos en la agricultura ("The role of spiders and other generalist predators in the control of insect pests in agriculture"). Plenary Address, V Argentine Congress of Entomology, Buenos Aires.
- Wise, D. H. 2002. Efectos directos e indirectos de las arañas en la red trófica del mantillo del bosque ("Direct and indirect effects of spiders in the food web of the forest floor"). Symposium: "Insect Ecology: Interspecific Interactions," V Argentine Congress of Entomology, Buenos Aires.
- Wise, D. H., J. Halaj and K. Lawrence. 1999. Manipulating food webs dominated by generalist predators. Symposium: "Food Webs in Agricultural and Managed Ecosystems" Annual Meeting of the Entomological Society of America, Atlanta, Georgia.
- Wise, D. H., W. E. Snyder, P. Tuntibunpakul and J. Halaj. 1998. Spiders in decomposition food webs of agroecosystems. Symposium: "Spiders in Agroecosystems: Ecological Processes and Biological Control," XIV International Congress of Arachnology and the Annual Meeting of the American Arachnological Society, Chicago.
- Wise, D. H. 1997. Trophic cascades of spiders in natural and agricultural ecosystems. Symposium: "Predicting the Combined Impact of Multiple Predators in Aquatic and Terrestrial Systems," Annual Meeting of the Ecological Society of America, Albuquerque, New Mexico.
- Wise, D. H. and J. D. Wagner. 1994. Contributions of wolf spiders to control processes in the forest-floor food web. Symposium: "Spiders in Ecological Communities," Annual Meeting of the American Arachnological Society, University of Florida.
- Wise, D. H. and J. D. Wagner. 1992. Population regulation in the wolf spider *Schizocosa ocreata* (Lycosidae). Informal Conference: "Autecology of Spiders," Annual Meeting of the Entomological Society of America, Baltimore, MD.
- Wise, D. H. 1990. Do spiders compete for a limited food supply? -- a review and evaluation of the evidence. Symposium: "Interspecific Competition and Resource Utilization in Arthropod Communities," V International Congress of Ecology, Yokohama, Japan.
- Wise, D. H. 1990. The role of spiders in food webs of the forest floor. Symposium: "Spider Ecology," Annual Meeting of the Arachnological Society of Japan, Hakone.
- Wise, D. H. 1988. Untangling ecological webs -- a spiderman reflects. Symposium in Honor of Prof. N.G. Hairston. University of North Carolina, Chapel Hill.
- Wise, D. H. 1987. Modelling of energy flow in forest decomposer communities. Meeting of the Gesellschaft für Ökologie. Göttingen, Germany.
- Wise, D. H. 1981. The role of competition in spider communities: insights from field experiments. Symposium on Ecological Communities: Conceptual Issues and the Evidence. Wakulla Springs, FL.

### **Invited Lectures**

- 2009 Department of Botany and Stockholm Resilience Centre, Stockholm University, Sweden
- 2008 Department of Entomology, University of Wisconsin, Madison
- 2007 Department of Biology, Howard University, Washington, D.C.  
Institute of Zoology, University of Technology, Darmstadt, Germany

- Department of Biological, Geological and Environmental Sciences, Cleveland State University
- 2006 Field Museum, Chicago  
 Department of Animal Ecology, University of Technology, Darmstadt, Germany  
 Department of Entomology, Texas A&M University  
 Department of Biological Sciences, University of Illinois at Chicago  
 Institute for Agricultural Plant Physiology and Ecology (CONICET and the Faculty of Agronomy), Buenos Aires, Argentina  
 Center for Parasitological and Vector Studies (CONICET), and Faculty of Natural Sciences and the Museum, National University of La Plata, Argentina  
 Institute for Research in Arid Zones (CONICET), Mendoza, Argentina
- 2005 Experimental Station for Arid Zones, Almería, Spain
- 2004 Department of Life Sciences, Indiana State University  
 Anita Hoffman Laboratory of Acarology, National Autonomous University of Mexico, Mexico City  
 Department of Entomology, Washington State University, Pullman
- 2003 Student-Choice Speaker, Department of Entomology, Penn State University  
 Student-Choice Speaker, Department of Entomology, University of California, Davis  
 Department of Environmental Science, Policy & Management, University of California, Berkeley
- 2002 Department of Biology, St. Louis University  
 Department of Ecology and Evolution, University of Chicago  
 Department of Entomology, University of Illinois, Urbana-Champaign  
 Department of Biology, University of Akron  
 Department of Biology, Hope College
- 2001 Department of Zoology, University of Århus, Denmark  
 Department of Biology, University of Costa Rica
- 2000 Department of Entomology, University of Alberta, Canada  
 Graduate Program in Agriculture and Environment, University of Göttingen, Germany  
 Institute of Zoology and Anthropology, University of Göttingen, Germany  
 Department of Entomology, University of Maryland, College Park  
 Department of Agriculture and Natural Resources, Berea College  
 Department of Biology, Western Kentucky University
- 1999 Interdisciplinary Lecture Series, Ohio Wesleyan University  
 Grace Griswold Lecture, Department of Entomology, Cornell University  
 Department of Entomology, University of Alberta  
 Department of Biological Sciences, University of Alberta
- 1998 Department of Entomology and Department of Animal Ecology, Iowa State University  
 Department of Ecology and Evolutionary Biology, University of Tennessee  
 Department of Biology, Thomas More College  
 Department of Biology, Somerset Community College
- 1997 Department of Zoology, University of the Witwatersrand, Johannesburg, South Africa  
 Invertebrate Conservation Research Centre, Department of Zoology and Entomology, University of Natal, Pietermaritzburg, South Africa  
 Department of Zoology, Miami University (Ohio)
- 1996 Department of Biological Sciences, University of Maryland Baltimore County  
 Bodega Marine Laboratory, Bodega Bay, California

- Department of Entomology, University of California, Davis  
 Department of Biology, University of Louisville  
 Department of Zoology, University of Århus, Denmark  
 Division of Ecology, University of Göttingen, Germany  
 Department of Animal Biology, Plant Biology and Ecology, Autonomous University of  
 Barcelona, Spain
- 1994 Department of Biology, Vanderbilt University  
 Department of Biology, Hope College  
 Department of Biological Sciences, University of Cincinnati  
 Ecology and Evolution Program, Rutgers University
- 1993 Department of Zoology, University of Tennessee  
 Department of Entomology, University of Maryland, College Park  
 Patuxent Wildlife Research Center, U.S. Fish and Wildlife Service
- 1992 Department of Entomology, University of Kentucky
- 1991 Department of Entomology, Pennsylvania State University  
 School of Life and Health Sciences, University of Delaware
- 1990 Institute of Biological Control, Faculty of Agriculture, Kyushu University, Fukuoka,  
 Japan
- 1988 Pymatuning Laboratory of Ecology, University of Pittsburgh  
 Department of Biological Sciences, University of Pittsburgh
- 1987 University of Virginia Blandy Experimental Farm  
 Smithsonian Environmental Research Center
- 1986 Department of Biology, University of Marburg, Germany  
 Institute of Zoology, University of Innsbruck, Austria  
 Entomological Institute, Swiss Federal Institute of Technology, Zürich  
 Department of Zoology, Oxford University, England  
 Department of Biology, University of York, England  
 Institute of Zoology and Zoophysiology, University of Århus, Denmark
- 1985 Zoological Institute, University of Göttingen, Germany
- 1983 Department of Biological Sciences, University of Cincinnati
- 1982 Ecology Curriculum, University of North Carolina, Chapel Hill  
 Department of Biology, University of North Carolina, Greensboro  
 Department of Zoological Research, National Zoological Park  
 Patuxent Wildlife Research Center, U.S. Fish and Wildlife Service
- 1981 Department of Biological Sciences, Florida State University  
 Department of Biology, University of New Mexico  
 Department of Zoology, University of Tennessee  
 School of Life and Health Sciences, University of Delaware  
 University of Minnesota Forestry and Biological Station, Lake Itasca
- 1980 Research Section, North Carolina Division of Mental Health  
 Department of Entomology, University of Maryland, College Park  
 Department of Pathobiology, Johns Hopkins University
- 1979 Department of Biological Sciences, Towson State University  
 Department of Biology, Princeton University  
 Department of Zoology, University of Maryland, College Park
- 1978 Maryland Entomological Society
- 1976 Department of Zoology, University of California, Davis

1974 Department of Biology, New Mexico State University

### **Editorial and Reviewing Responsibilities**

Editorial Board, Revista de la Sociedad Entomológica Argentina (2006- present)

EPA Peer Review Panel, STAR Fellowship Program: Terrestrial Systems Ecology (2004, 2005, 2006, 2007)

Comité Asesor de Becas para Investigación (CABI), a committee of OTS (Organization for Tropical Studies) to evaluate research proposals from Latin American graduate students (2001 – 2006)

Editorial Board of *Oecologia* (1990-1997)

NSF Division of Environmental Biology POWRE Advisory Review Panel (2000)

EPA Environmental Biology Review Panel (1998)

Reviewer of manuscripts for *Ecology*, *Evolution*, *Science*, *American Naturalist*, *Animal Behaviour*, *Behavioral Ecology and Sociobiology*, *Ecology Letters*, *Oikos*, *Oecologia*, *Journal of Animal Ecology*, *Behavioral Ecology*, *Environmental Entomology*, *Ecological Entomology*, *Ecography*, *Journal of Insect Behavior*, *American Midland Naturalist*, *Canadian Journal of Zoology*, *Journal of Arachnology*, *Biotropica*, *Functional Ecology*, *Ethology Ecology & Evolution*, *Ecotrópicos*, *Restoration Ecology*, *Entomologia Experimentalis et Applicata*, *Acta Oecologica*, *American Entomologist*, *Biological Conservation*, *European Journal of Entomology*, *Pan-Pacific Entomologist*, *Web Ecology*, *Bulletin of the British Arachnological Society*, *Journal of Tropical Ecology*, *Florida Entomologist*, *Basic and Applied Ecology*, *Revista de la Sociedad Entomológica Argentina*, *Bioigical Control*, *Diversity and Distributions*, *Ecosystems*

Reviewer of research proposals for National Science Foundation (Population Biology and Physiological Ecology, Ecology, Ecosystems, Psychobiology); Smithsonian Institution; California Academy of Sciences; Australian Research Grants Committee; US-Israel Binational Science Foundation; Israel Inter-University Fund For Ecology, USDA National Research Initiatives Competitive Grants Program, Swiss National Science Foundation, USDA Small Business Innovation Research Program, National Geographic Society Committee for Research and Exploration, Maryland Agricultural Experiment Station, Arkansas Science and Technology Authority, Province of Alberta Biodiversity Grants Program, Austrian Science Fund

Reviewer of book proposals for Cambridge University Press, Harvard University Press, Kluwer Academic Publishers, and W. H. Freeman Publishers

### **Professional Societies and Organizations**

Ecological Society of America (Life Member)

International Association for Ecology

Soil Ecology Society

American Arachnological Society

International Society of Arachnology

Chicago Sustainable Business Alliance

### **Non-University Administrative Responsibilities and Service**

2009 Opponent for Doctoral Defense, Dept. of Botany, Stockholm University

- 2009 Participant in OPUS review, National Science Foundation
- 2009-present Co-Chair, Chicago Wilderness Science Team
- 2008-present Advisory Board, Chicago Wilderness Magazine
- 2008-present Member, Oversight Committee, Chicago Wilderness Land Management Research Program
- 2008 Panel Participant, "Training for Careers in Sustainability", Chicago Green Drinks, Foresight Design Initiative
- 2006-present Member, Chicago Sustainable Business Alliance
- 2003 NSF-funded workshop, University of California, Berkeley: "Future directions for interdisciplinary research at the Angelo Coast Range Reserve"
- 1998-2003 USDA NCR-125 Working Group in the Biological Control of Arthropods and Weeds (Secretary, 2000; Chair, 2001)
- 1999 Co-Organizer and Co-Host, National Meeting of the American Arachnological Society
- NSF National Ecological Observatory Network Workshop, Archbold Biological Station
- 1998-01 Board of Directors, American Arachnological Society
- 1995-98 Officer, Subsection Cd (Ecology and Behavior) of the Entomological Society of America
- 1994 Organized Symposium on "Spiders in Ecological Communities" for the Annual Meeting of the American Arachnological Society, University of Florida
- 1992 Organized Informal Symposium, "Autecology of Spiders," with O.P. Young (USDA) for the Annual Meeting of the Entomological Society of America.
- 1990 Organized Symposium, "Interspecific Competition and Resource Utilization in Arthropod Communities" with Y. Hirose (Institute of Biological Control, Kyushu University) for the Vth International Congress of Ecology, Yokohama, Japan.
- 1980-83 Chair, Biological Effects Subcommittee of the Environmental Research Guidance Committee, State of Maryland Power Plant Siting Program

### **University Administrative Responsibilities and Service**

#### *University-wide:*

- 2009 - Associate Director, Institute for Environmental Science and Policy
- 2009 - Honors College Fellow
- 2009 - UIC Campus Research Board
- 2007- UIC University Senate
- 2006- Steering Committee, Institute for Environmental Science and Policy
- 2006- Executive Committee, LEAP Graduate Training Program
- 2004-06 UK University Senate
- 1998-05 UK Representative, Assembly of Delegates, Organization for Tropical Studies
- 1998-01 University Senate Hearing Panel (Privilege and Tenure)
- 1997-98 Executive Committee, Center for Ecology, Evolution and Behavior
- 1996-98 Academic Area Advisory Committee for the Biological Sciences;  
Chair, 1997-98

1995-98 University Research Advisory Committee  
 1996-98 University Research Professorship Selection Committee  
 1979-85 Fellowship Committee, University of Maryland Sea Grant Program  
 1981-85 All-University Policy and Steering Committee, Graduate Program in  
 Marine-Estuarine-Environmental Sciences (Univ. of Maryland)

*College (Agriculture, UK; Liberal Arts & Sciences; UIC) and Campus (UMBC) -wide:*

2002 College of Agriculture Ad-Hoc Committee for Periodic Review of  
 the Department of Forestry  
 1997-98 College of Agriculture Ad-Hoc Committee for Periodic Review of  
 the Department of Entomology  
 1995-98 Lexington Campus Research Advisory Committee  
 1996 College of Agriculture Ad-Hoc Committee for Periodic Review of  
 the Department of Forestry  
 1995 Organized 3-day Workshop/Symposium, "Ecology and Evolution of Generalist  
 Consumers"  
 1994-97 Kentucky Agricultural Experiment Station Project Review Committee  
 1994-96 Chair, Oversight Committee for the Graduate Research Training Grant in  
 Evolutionary Ecology  
 1994 Pew Higher Education Round Table (Office of the Chancellor)  
 1987 Ad-Hoc Committee to Review the Report on Faculty Scholarly Achievement  
 1984-85 Faculty Grading Review Committee  
 1983-84 Committee on Honorary Degrees and Commencement Speaker  
 1983 Chancellor's Prize Scholarship Committee  
 1978-80 Future of the University Committee  
 1978-85 Chair and Graduate Program Coordinator, UMBC Program Committee in Marine,  
 Estuarine, & Environmental Sciences

*Departmental:*

2008 Chair, Search Committee for a Landscape Ecologist  
 2003-05 Seminar Committee  
 1997-05 Research Program Committee (Chair)  
 2003-04 Recruitment Committee  
 2003-04 Awards Committee  
 1995-02 Chair's Advisory Committee  
 1998-99 Seminar Committee (Chair)  
 1996-97 Seminar Committee  
 1994-95 Extension Program Committee  
 1993-95 Research Program Committee  
 1991-93 Undergraduate Program Committee; Chair, 1992-93  
 1990-93 Executive Committee  
 1990-91 Pre-Professional Committee  
 1989-90 Seminar Committee, Chair  
 1988-89 Graduate Program Committee  
 1988-89 Committee to Study the Graduate Program, Chair  
 1987-88 Search Committee for Chair of Biological Sciences

Executive Committee  
1986-87 Staff Oversight Committee, Chair  
1984-88 Undergraduate Program Committee  
1984-87 Committee for Honors, Scholarships, Fellowships and Awards; Chair, 1984-85  
1983-85 Committee on the Graduate Program Brochure, Chair

**Mentoring and teaching as Professor of Biological Sciences, University of Illinois at Chicago (2006-present) and as Professor of Entomology, University of Kentucky (1993-2006)**

*Postdoctoral Mentor:*

Dr. Yaniria Sánchez-de León (2007- 2009; co-mentor with Dr. Miquel Gonzalez- Meler)  
Dr. Alberto Castro-Gil (2005- 2007)  
Dr. Jordi Moya-Laraño (1999 - 2002)  
Dr. Juraj Halaj (1998 - 2000)  
Dr. Benrong Chen (1994 - 97)

*Ph.D. Mentor:*

Robin Mores (2008 – present)  
Basil Iannone (2007 – present)  
Erin Hladilek [Ph.D awarded 2008 (University of Kentucky)]  
Klaus Birkhofer – *Zoological Institute, Technical University of Darmstadt, Germany*  
(Co-mentor with Prof. Stefan Scheu) (Ph.D. awarded 2007)  
Janet Lensing (Ph.D awarded 2006)  
Kendra Lawrence (Ph.D. awarded 2000)  
Jordi Moya-Laraño -- *Department of Animal Biology, Plant Biology and Ecology, Autonomous University of Barcelona, Spain* (Co-mentors with Profs. José Barrientos and Carmen Bach) (Ph.D. awarded 1999)  
Patchanee Tuntibunpakul Vichitbandha (Ph.D. awarded 1999)  
William Snyder (Ph.D. awarded 1999)  
Nancy Kreiter -- *Dept. of Biological Sciences, University of Maryland Baltimore County*  
(Ph.D. awarded 1996)  
James Wagner (Ph.D. awarded 1995)

*M.S. Mentor:*

José Cristian Martínez (2008 – present)  
Lisa Taylor (2001 – 2003)  
Jennifer Williams (M.S. awarded 2002)  
Denise McNabb Moldenhauer (M.S. awarded 2001)

*Undergraduate Mentor:*

Chris Bauer (Biological Sciences), 2008-2009  
Ben Shultz (Geography, Hispanic Studies), 2003: NSF REU Award  
Annie Schlosser (Biological Sciences), 2001: NSF REU Award

Sara Todd (Biological Sciences), 2001: NSF REU Award  
José Rincón (Biological Sciences), 2000-01: NSF REU Award  
Jennifer Williams (Biological Sciences), 1999: Undergraduate Research and Creativity Grant, Office of Undergraduate Studies; First Place, Student Paper Competition, Annual Meeting of the Kentucky Academy of Sciences  
Jarrod True (Biological Sciences), 1996: Undergraduate Research and Creativity Grant, Office of Undergraduate Studies  
Sara Watson (Biology, Transylvania University), 1996: NSF REU Award

*Sponsorship of Visiting Scientist:*

Dr. Marzena Stanska, University of Podlasie, Siedlce, Poland: October – November, 2005  
Prof. Søren Toft, Department of Zoology, Århus University, Århus, Denmark: March 1995 - February 1996

*Member of Ph.D. Advisory or Examining Committee:*

Caroline Gottschalk-Druschke (English/Rhetoric)  
Hilary Osborne (Biological Sciences)  
Paul Gulezian (Biological Sciences)  
Michelle Frack (Biological Sciences)  
Lina Taneva (Biological Sciences)  
Ted Cottrell (Entomology)  
Kevin Hopper (Biological Sciences)  
Mary Linton (Biological Sciences)  
Britt Raymond (Entomology)  
Laura Hartt (Biological Sciences)  
Chris Grill (Biological Sciences)  
J. Codding (Spanish and Italian Languages and Literatures)  
Mónica Rodríguez (Spanish and Italian Languages and Literatures)  
Delores Flores-Silva (Spanish and Italian Languages and Literatures)  
Chad Johnson (Biological Sciences)  
Patrick Crumrine (Biological Sciences)  
Eric Marsland (Entomology)  
David Held (Entomology)  
Carlos Sarmiento-Monroy (Entomology)  
Angela Amarillo-Suarez (Entomology)  
Roger Craig Stillwell (Entomology)  
Tom Coleman (Entomology)  
Tim Sesterhenn (Biological Sciences)

*Member of Ph.D. Advisory Committee or Invited Outside Examiner, Universities other than UK and UIC:*

Thierry Gasnier (Tropical Biology and Natural Resources, Federal University of the Amazon, Manaus, Brazil – Invited Outside Examiner)  
Matt Persons (Biological Sciences, University of Cincinnati)  
Todd Jackson (Biology, Vanderbilt University)  
Christopher Buddle (Entomology, University of Alberta – Invited Outside Examiner)

David Mayntz (Zoology, University of Århus – Invited Opponent)

*Member of M.S. Advisory Committee*

Wyatt Gaswick (Biological Sciences)

Katja Seltmann (Entomology)

Cora Allard (Entomology)

J. Tom Dixon (Entomology)

Wendy Weger-Tietjen (Entomology)

*Honors, Grants, Fellowships Awarded to Graduate and Postdoctoral Students:*

Basil Iannone ----

NSF Graduate Fellowship, NSF IGERT Training Grant in Landscape, Ecological and Anthropogenic Processes (LEAP) (2007-2009)

Yaniria Sánchez-de León ----

NSF WISEST Postdoctoral Fellowship (2007-09)

Alberto de Castro-Gil ----

Fulbright Postdoctoral Fellowship (2005-07)

Jordi Moya-Laraño ----

Fulbright Postdoctoral Fellowship (2000-02)

Juraj Halaj ----

NSF Postdoctoral Research Fellowship in Biosciences Related to the Environment (1998-2000)

Patchanee Tuntibunpakul ----

Graduate Fellowship, Institute for the Promotion of Teaching Science and Technology, Thailand (1993-98)

President's Prize (1st Place), Student Paper Competition, Biological Control, Annual Meeting of the Entomological Society of America, Nashville

William Snyder ----

NSF Graduate Fellowship, Training Grant in Evolutionary Ecology (1995-97)

President's Prize (1st Place), Student Oral Paper Competition, Ecology and Behavior, Annual Meeting of the Entomological Society of America, Las Vegas

Second Place, Student Poster Competition, XIV International Congress of Arachnology and Annual Meeting of the American Arachnological Society, Field Museum, Chicago.

Third Place, Student Oral Paper Competition, Annual Meeting of the Ohio Valley Entomological Association

Kendra Lawrence ----

NSF Graduate Fellowship, Training Grant in Evolutionary Ecology (1996-98)

Jordi Moya-Laraño ----

Graduate Fellowship for the General Promotion of Knowledge, Ministry of Education and Culture (Spain) (1996-1999)

*Courses taught:*

Undergraduate: Entomology 110: Insect Biology

Graduate: BIOS 531: Introduction to Ecology and Evolution I

BIOS 546: Research Methods for Landscape, Ecological and Anthropogenic Processes

BIOS 547: Field Experiences in Landscape, Ecological and  
Anthropogenic Processes  
BIOS 540: Interdisciplinary Approaches to the Study of Integrated  
Human/Natural Landscapes (Coordinator)  
Entomology 665: Insect Ecology  
Entomology 770: Seminar: Spiders and Insects in Poetry and Prose  
Entomology 770: Seminar: Spider Behavior  
Entomology 770: Seminar: Forgotten Arthropods  
Entomology 770: Seminar: Ecology of Food Webs  
Social Theory 600: Multidisciplinary Perspectives in Social Theory:  
Religion and Identity (Coordinator)  
Forestry 620/770: Ecology of Complex Systems: Interface between  
Community and Ecosystem Ecology  
Entomology 550: Spider Ecology and Behavior

**Mentoring and teaching before 1993 (Albion College, University of New Mexico and University of Maryland)**

*Mentoring of postdoctoral and graduate students at University of Maryland Baltimore Co. (UMBC):*

Dr. Charles Horton (postdoctoral)  
Paul Reillo (Ph.D.)  
Scott Larcher (M.S.)  
José Barata (M.S.)

*Courses taught at Albion College, Univ. of New Mexico and UMBC:*

Undergraduate:     Introductory Biology  
                          Invertebrate Biology  
                          Ecology and Evolution  
                          Population Biology  
                          Population and Community Ecology  
                          General Ecology  
                          Seminar in Population Dynamics  
Graduate:            Experimental Population and Community Ecology  
                          Population and Community Ecology  
                          Seminar in Population Biology

## **Contributed Papers at Scientific Meetings**

- Wise, D. H. and M. V. Ashley, 2009. Interdisciplinary graduate training in the restoration and conservation of biodiversity in integrated human/natural landscapes: Experiences from the LEAP IGERT. NCSE Conference on Biodiversity in a Changing World, Washington, D.C.
- Ashley, M. V. and D. H. Wise. 2008. Interdisciplinary graduate research and education in human-dominated landscapes: Experiences from the LEAP IGERT. Annual Meeting of the Ecological Society of America, Milwaukee.
- Hladilek, E. E. and D. H. Wise. 2008. Deconstructing the forest-floor food web: Stable isotope analysis reveals food web compartmentalization. Annual Meeting of the Ecological Society of America, Milwaukee.
- Castro, A. and D. H. Wise. 2008. Influence of fallen coarse woody debris on spiders inhabiting the leaf litter of a deciduous forest. Annual Meeting of the Ecological Society of America, Milwaukee.
- Sánchez-de León, Y., M. González-Meler, D. H. Wise, and R. J. Norby. 2008. Earthworm populations and feeding habits under elevated atmospheric carbon dioxide in a sweetgum plantation. Annual Meeting of the Ecological Society of America, Milwaukee.
- Rabaneda-Bueno, R., M. A. Rodríguez-Gironés, S. Aguado de la Paz, C. Fernández-Montraveta, D. H. Wise and J. Moya-Laraño. 2008. Canibalismo sexual: Alta incidencia en una población natural con beneficios para las hembras. XII Congreso Español y IX Iberoamericano de Etología. Valencia, Spain.
- Birkhofer, K., E. Gavish, K. Endlweber, K. von Berg, D. H. Wise and S. Scheu. 2007. Cursorial spiders retard initial population growth in winter wheat. 17<sup>th</sup> International Congress of Arachnology, Sao Pedro, Brazil.
- Moya-Laraño, J. and D. H. Wise. 2007. Interactions between ants, spiders and shared prey. Joint Meeting of the Ecological Society of America and the Society for Ecological Restoration International, San Jose.
- Wise, D. H. 2006. Global climate change, rates of leaf-litter decomposition, and ecosystem restoration. Soils and Restoration Ecology Conference, DePaul University, Chicago.
- Hladilek, E. E. and D. H. Wise. 2006. Spinning the forest food web: using stable isotopes ( $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$ ) to quantify trophic connections between ecosystem components. Annual Meeting of the Entomological Society of America, Indianapolis.
- Rabaneda, R., M. Rodríguez-Gironés, E. De Mas, C. Fernández-Montraveta, D. H. Wise, and J. Moya-Laraño. 2006. The effect of male availability on sexual cannibalism and polyandry in the Mediterranean tarantula, *Lycosa tarantula*. 23<sup>rd</sup> Annual European Colloquium of Arachnology, Barcelona, Spain.
- Lensing, J. R. and D. H. Wise. 2006. Impacts of altered rainfall predicted by climate-change models on arthropods, litter decay, and trophic cascades in a forest-floor food web. 91<sup>st</sup> Annual Meeting of the Ecological Society of America, Memphis.
- Lensing, J. R. and D. H. Wise. 2005. Impacts of altered precipitation on forest-floor arthropods, leaf-litter decomposition, and trophic cascades. Joint Meeting of the Ecological Society of America and the International Association for Ecology, Montreal.
- Wise, D. H., D. M. Moldenhauer, and J. Halaj. 2005. Linkages between soil and aboveground food webs via generalist predators: a stable-isotope analysis in an agroecosystem. 10th Biennial International Meeting of the Soil Ecology Society, Argonne National Laboratory, Argonne, Illinois.

- Lensing, J. R. and D. H. Wise. 2005. Impacts of altered precipitation on forest-floor arthropods, leaf-litter decomposition, and trophic cascades. 10th Biennial International Meeting of the Soil Ecology Society, Argonne National Laboratory, Argonne, Illinois.
- Hladilek, E. E. and D. H. Wise. 2005. Spinning the forest food web: using stable isotopes ( $\delta^{13}\text{C}$  and  $\delta^{15}\text{N}$ ) to link ecosystem components. 10th Biennial International Meeting of the Soil Ecology Society, Argonne National Laboratory, Argonne, Illinois.
- Lensing, J. R. and D. H. Wise. 2004. Impacts of altered precipitation on leaf-litter decomposition and forest-floor arthropods. Annual Meeting of the Entomological Society of America, Salt Lake City, Utah.
- Moya-Laraño, J., C. Fernández-Montraveta and D. H. Wise. 2004. Possible sex-role reversal in a wolf spider. 16<sup>th</sup> International Congress of Arachnology, Ghent, Belgium.
- Moya-Laraño, J., and D. H. Wise. 2004. Experimental evidence for positive and negative effects of ants on spiders on the floor of a deciduous forest. 16<sup>th</sup> International Congress of Arachnology, Ghent, Belgium.
- Lensing, J. R. and D. H. Wise. 2004. Impacts of altered precipitation on leaf-litter decomposition and forest-floor arthropods. Annual Meeting of the Ecological Society of America, Portland, Oregon.
- Lensing, J. R. and D. H. Wise. 2003. Impact of modifications in rainfall expected from global climate change on arthropods of the forest-floor food web. Annual Meeting of the Entomological Society of America, Cincinnati, Ohio.
- Moya-Laraño, J. and D. H. Wise. 2003. Effects of different ant genera on local abundances of forest-floor spiders and centipedes. Annual Meeting of the Entomological Society of America, Cincinnati, Ohio.
- Lensing, J. R. and D. H. Wise. 2003. Initial response of leaf-litter arthropods to altered patterns of rainfall predicted by models of global climate change. Annual Meeting of the Ecological Society of America, Savannah, Georgia.
- Wise, D. H. and J. Moya-Laraño. 2002. Influence of ants on the distribution of forest-floor spiders and centipedes. Annual Meeting of the Entomological Society of America, Fort Lauderdale, Florida.
- Todd, S., J. Lensing and D. H. Wise. 2002. The impact of altered precipitation on spatial stratification and activity-densities of springtails (Collembola) and spiders (Araneae). Annual Meeting of the Entomological Society of America, Fort Lauderdale, Florida.
- Todd, S., J. R. Lensing and D. H. Wise. 2002. The impact of changes in precipitation on spatial stratification and activity-densities of leaf-litter arthropods. Annual Meeting of the Ecological Society of America, Tucson, Arizona.
- Taylor, L. A. and D. H. Wise. 2002. Effects of habitat complexity and prey on cannibalism rates in a wolf spider. Annual Meeting of the Ecological Society of America, Tucson, Arizona.
- Williams, J. and D. H. Wise. 2002. How prey detect and avoid predators: a study with an agricultural pest. Annual Meeting of the Ecological Society of America, Tucson, Arizona.
- Moya-Laraño, J. And D. H. Wise. 2002. Ants influence the distribution of forest-floor generalist predators and Collembola. Annual Meeting of the Ecological Society of America, Tucson, Arizona.
- Williams, J. and D. H. Wise. 2001. How prey detect and avoid predators: A study with an agricultural pest. Annual Meeting of the Entomological Society of America, San Diego CA.

- Moya-Laraño, J. and D. H. Wise. 2001. Climbing to reach females: Romeo should be small. Annual Meeting of the Society for the Study of Evolution, Knoxville TN.
- Lensing, J. and D. H. Wise. 2001. A field experiment to test the hypothesis that predation by gnaphosid spiders is a major mortality factor for juvenile wolf spiders. Annual Meeting of the Ecological Society of America, Madison WI
- McNabb, D. and D. H. Wise. 2001. Trophic positions of generalist predators in detritus-enriched cucurbit gardens: patterns from stable isotope analysis. Annual Meeting of the Ecological Society of America, Madison WI.
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