

Curriculum Vitae, Dr. Allen L. Szalanski

Summary of Career Accomplishments

Scholarly and Creative Activity Publications

	<i>Publications</i>
<i>International, National, State, or Regionally Refereed</i>	94
<i>Refereed Abstracts</i>	20
<i>Reports and Non-refereed Publications</i>	15
<i>NIH GenBank DNA sequence submissions</i>	1229

Professional Presentations at Meetings or Conferences

	<i>Presentations</i>
<i>International Meetings</i>	5
<i>National Meetings</i>	78
<i>Regional Meetings</i>	40

Grant and contract Activity (total: \$674,328)

<i>Source</i>	<i>Support Obtained (n)</i>					<i>Private Industry</i>
	<i>National</i>	<i>Regional</i>	<i>State</i>	<i>University</i>		
<i>Grants</i>	3	2	6	6		10
<i>Contractual</i>	1	0	0	2		0
<i>Gift</i>	0	0	0	0		0
<i>Dollar Amount</i>	\$259,329	\$82,710	\$49,000	\$84,000		\$195,989

Teaching

<i>Course</i>	<i>Times Taught</i>	<i>Enrollment*</i>	<i>Purdue Score</i>
ENTO 109 Beekeeping (Univ Nebraska)	2	9-11	NA
ENTO 5133 Applied Molecular Genetics	4	5-11	4.3-4.8
ENTO 410V Forensic Entomology (Co-Instructor)	1	7	4.3
ENTO 410V Med / Vet Entomology (Co-Instructor)	1	11	4.3

*enrollment of ENTO5133 limited to 11 due to lab resources

Advising

M.S. Graduate Advisees: Major Professor

<i>Name</i>	<i>Graduation Date</i>	<i>Placement</i>
Jennifer A. Lewter	Spring 2005	Biology Instructor, Arkansas Tech. Univ
Carrie B. Owens	Spring 2005	Entomologist, City of New Orleans
Roxane Magnus	Summer 2010 (expected)	---
Justin Whitaker	Fall 2010 (expected)	---

Ph.D. Graduate Advisees: Major Professor

<i>Name</i>	<i>Graduation Date</i>	<i>Placement</i>
James W. Austin	Spring 2005	Senior Research Scientist, BASF
Jackie McKern	Spring 2008	Field Research Scientist, DowAgrosciences
Cesar Solorzano	Summer 2009	Postdoc, Oklahoma State University
Becky Trout (Co-advisor)	Spring 2009	Postdoc, University of California-Davis
Amber Tripodi	Spring 2014 (expected)	---

CURRICULUM VITAE

Allen Lawrence Szalanski

Education

Doctor of Philosophy, 1995 University of Nebraska, Entomology Major, Biology Minor.
Dissertation: 'Genetic characterization and population genetics of stable fly (Diptera: Muscidae)'.
Advisor: David B. Taylor.

Master of Science, 1992 Kansas State University, Entomology Major. Thesis: 'Esterase activity in pyrethroid-resistant horn fly, *Haematobia irritans*, populations'. Advisor: Alberto B. Broce.

Bachelor of Science, 1989 University of Manitoba, Entomology Major.

Positions and Responsibilities

Associate Professor of Entomology
University of Arkansas
Department of Entomology
Fayetteville, Arkansas 72701
2006-present
(80% Research, 10% Teaching, 10% Service)

Research responsibilities include: insect population genetics, and insect molecular diagnostics. Emphasis is placed pollinators (bumble bees, honey bees), urban pests (termites, bed bugs) and medical/veterinary arthropods (tabanids, filth flies, ticks). Instructional responsibilities include a graduate level course in applied molecular genetics. Faculty member of the CEMB program.

Assistant Professor of Entomology
University of Arkansas
Department of Entomology
Fayetteville, Arkansas 72701
2001-2006

Responsibilities included research on population genetics, and molecular diagnostics of economically important insects. Instructional responsibilities include a graduate level courses in genetics.

Research Assistant Professor
University of Nebraska
Department of Plant Pathology
Lincoln, Nebraska 68503
1998-2001

Responsibilities included molecular diagnostics, and population genetics of economically important nematodes. Major emphasis was placed on tylenchid plant parasitic nematodes and entomopathogenic nematodes. Performed contractual molecular forensics and conservation genetics work for the Nebraska Game and Parks Commission for two years. Member of the Graduate Faculty.

Postdoctoral Research Associate
University of Nebraska
Department of Plant Pathology
Lincoln, Nebraska 68503
1995-1998

Responsibilities included evaluation of entomopathogenic nematodes for control of filth flies, and population genetics and molecular diagnostics of economically important nematodes.

Scholarly and Creative Activity Publications

Career Publications

<i>Submitted</i>	6
<i>International, National, State or Regionally Refereed</i>	94
<i>Refereed Abstracts</i>	18

Refereed Journal Articles (* Graduate Student, ** Undergraduate Student)

- Submitted**
(6) Trout, R. T., C. D. Steelman, **A. L. Szalanski**, K. L. Kvamme, P. M. Billingsly, and P. C. Williamson. *Rickettsia* pathogens isolated from Arkansas canines, white-tailed deer, and their associated ticks (Acari: Ixodidae). Vector Borne Zoonotic Dis.
- Trout, R. T., C. D. Steelman, **A. L. Szalanski**, K. L. Kvamme, P. M. Billingsly, and P. C. Williamson. Genetic and spatial identification of *Borrelia burgdorferi* and *Borrelia lonestari* from Arkansas ticks, canines, and white-tailed deer. Vector Borne Zoonotic Dis.
- Bae, C.H., R.T. Robbins, and **A.L. Szalanski**. Secondary structure models of Hoplolaiminae species for D2-D3 expansion segments of 28S rRNA. Journal of Nematology (submitted).
- Meyers, J.M., J.W. Austin, **A.L. Szalanski** and R.E. Gold. Molecular identification of an invasive *Paratrechina* sp. introduced to the United States. Sociobiology (submitted).
- Scheffrahn, R.H., J. Krecek, Y. Roisin, **A.L. Szalanski**, and J.W. Austin. *Nasutitermes pseudocorniger*, a new termite (Isoptera: Termitidae: Nasutitermitinae) from the Neotropics. Zootaxa (submitted).
- 2010**
(8) Whitaker, J.*, **A.L. Szalanski**, and M. Kence. 2010. Molecular detection of *Nosema ceranae* from Turkish honey bees. Apidologie (in press).
- Solorzano, C.*, **A.L. Szalanski**, C.B. Owens, and C.D. Steelman. 2010. Genetic diversity of *Aedes vexans* in New Orleans: Pre and post Katrina. Biochemical Genetics 48: (7) (in press).
- Trout, R., C.D. Steelman, and **A.L. Szalanski**. 2010. Phylogenetics and population genetics of the louse fly, *Lipoptena mazamae* from Arkansas, USA. Medical and Veterinary Entomology 24: (3) (in press).
- Trout, R.T., C.D. Steelman, **A.L. Szalanski**, and P.C. Williamson. 2010. Identification of *Rickettsia parkeri* and *Rickettsia amblyommii* in *Amblyomma maculatum* from Arkansas, USA. Emerging Infectious Diseases 16: 830-832.
- Szalanski, A.L.**, and R.M. Magnus*. 2010. Mitochondrial DNA characterization of Africanized honey bee (*Apis mellifera* L.) populations from the USA. Journal of Apicultural Research 49: 177-185.
- Magnus, R.M.* and **A.L. Szalanski**. 2010. Genetic evidence of honey bees belonging to the Middle East lineage in the United States. Sociobiology 55: 285-296.
- Trout, R.T., C.D. Steelman, and **A.L. Szalanski**. 2010. Population genetics and phylogeography of *Amblyomma americanum* L. (Acari: Ixodidae) collected from Arkansas. Journal of Medical Entomology 47: 152-161.
- Trout, R.T., C.D. Steelman, **A.L. Szalanski**, and K. Loftin. 2010. Establishment of *Amblyomma maculatum* (Gulf Coast Tick) in Arkansas, U.S.A. Florida Entomologist 93: 120-122.
- 2009**
(5) Bae, C.H., **A.L. Szalanski**, and R.T. Robbins. 2009. Genetic variation of *Hoplolaimus columbus* populations in the United States using PCR-RFLP nuclear rRNA ITS regions. Journal of Nematology 41: 187-193.

- Trout, R.T., C.D. Steelman, and **A.L. Szalanski**. 2009. Population genetics and phylogeography of *Ixodes scapularis* collected from Arkansas canines and deer. *Southwestern Entomologist* 34: 273-287.
- Bae, C.H., **A.L. Szalanski**, and R.T. Robbins. 2009. Phylogenetic analysis of the Haplolaiminae inferred from combined D2 and D3 expansion segments of 28S rDNA. *Journal of Nematology* 41: 28-34.
- Bae, C.H., R.T. Robbins, and **A.L. Szalanski**. 2009. Molecular identification of *Hoplolaimus* species based on multiplex PCR and PCR-RFLP analysis. *Nematology* 11: 471-480.
- Solorzano, C.D.*, **A.L. Szalanski**, M. Kence, J.A. McKern, J.W. Austin and A. Kence. 2009. Phylogeography and population genetics of honey bees (*Apis mellifera* L.) from Turkey based on COI-COII sequence data. *Sociobiology* 53: 237-246.
- 2008**
(10) McKern, J.A.*, **A.L. Szalanski**, J.W. Austin, and R.E. Gold. 2009. Genetic diversity of field populations of the cat flea, *Ctenocephalides felis* and the human flea, *Pulex irritans*, in the United States. *Journal of Agricultural and Urban Entomology* 26: 259-263.
- Pechal, J.L., J.W. Austin, **A.L. Szalanski**, R.E. Gold, and J.K. Tomberlin. 2008. Genetic analysis of *Periplaneta americana* (Blattodea: Blattellidae) in Central Texas using the ITS1 region. *Journal of Agricultural and Urban Entomology*. 25: 179–191.
- McKern, J.A.*, **A.L. Szalanski**, D.T. Johnson, and A.P.G. Dowling. 2008. Molecular phylogenetics of sesiid moths. *Journal of Agricultural and Urban Entomology*. 25: 165-177.
- Austin, J.W., **A.L. Szalanski**, J.A. McKern, and R.E. Gold. 2008. Molecular phylogeography of the subterranean termite *Reticulitermes tibialis* (Isoptera: Rhinotermitidae). *Journal of Agricultural and Urban Entomology* 25: 63-79.
- Stelman, C.D., **A.L. Szalanski**, R. Trout, J.A. McKern*, C. Solorzano*, and J.W. Austin. 2008. Susceptibility of the bed bug *Cimex lectularius* L. (Hemiptera: Cimicidae) to selected insecticides. *Journal of Agricultural and Urban Entomology* 25: 41-51.
- McKern, J.A.*, and **A.L. Szalanski**. 2008. Genetic variation of the lesser peach tree borer (Lepidoptera: Sesiidae) in Arkansas. *Journal of Agricultural and Urban Entomology* 25: 25-35.
- Bae, C.H., **A.L. Szalanski**, and R.T. Robbins. 2008. Molecular analysis of the lance nematode, *Hoplolaimus* spp. using the first internal transcribed spacer and the D1-D3 expansion segments of 28S ribosomal DNA. *Journal of Nematology* 40: 201-209.
- Szalanski, A.L.**, J.W. Austin, J.A. McKern*, R.H. Scheffrahn, C.B. Owens, and M.T. Messenger. 2008. Molecular phylogeography of *Reticulitermes* (Isoptera: Rhinotermitidae) termites from Florida. *Sociobiology* 52: 619-632.
- Szalanski, A.L.**, J.W. Austin, J.A. McKern*, C.D. Steelman, and R.E. Gold. 2008. Mitochondrial and ribosomal internal transcribed spacer (ITS1) diversity of the bed bug *Cimex lectularius* L. (Heteroptera: Cimicidae). *Journal of Medical Entomology* 45: 229-236.
- Szalanski, A.L.**, J.W. Austin, and J.A. McKern*. 2008. Genetic diversity of *Reticulitermes* termites from Lake Wedington, Arkansas. *Sociobiology* 52: 95-106.
- 2007**
(10) McKay, T., C.D. Steelman, S.M. Brazil, and **A.L. Szalanski**. 2007. Sustained Mass Release of Pupal Parasitoids (Hymenoptera: Pteromalidae) for Control of *Hydrotaea aenescens* and *Musca domestica* (Diptera: Muscidae) in Broiler-Breeder Poultry Houses in Arkansas. *Journal of Agricultural and Urban Entomology* 24: 67-85.

Brazil, S.M., C.D. Steelman, **A.L. Szalanski**, and E.E. Gbur. 2007. Detection of *Cochlosoma anatis* (Kotlan) in *Musca domestica* L. (Diptera: Muscidae) collected from commercial turkey farms in Arkansas. *Journal of Agricultural and Urban Entomology* 24: 217-225.

Lewter, J.A., and **A.L. Szalanski**. 2007. Molecular identification of the fall armyworm, *Spodoptera frugiperda* (Lepidoptera: Noctuidae) using PCR-RFLP. *Journal of Agricultural and Urban Entomology*. 24: 51-57.

Brazil, S.M. C.D. Steelman, and **A.L. Szalanski**. 2007. Detection of pathogen DNA from filth flies (Diptera: Muscidae) using filter paper spot cards. *Journal of Agricultural and Urban Entomology* 24: 13-18.

Austin, J.W., A.-G. Bagneres, **A.L. Szalanski**, R.H. Scheffrahn, B.P. Heintschel., J.-L. Clement, M.T. Messenger, and R.E. Gold. 2007. *Reticulitermes mallei* (Isoptera: Rhinotermitidae): a valid Nearctic subterranean termite from eastern North America. *Zootaxa* 1554: 1-26.

Austin, J.W., G.J. Glenn, **A.L. Szalanski**, J.A. McKern*, and R.E. Gold. 2007. First record of Asian cockroach *Blattella asahinai* Mizukubo (Blattodea: Blattellidae) from Texas. *Florida Entomologist* 90: 574-576.

McKern, J.A.* and **A.L. Szalanski**. 2007. Molecular diagnostics of economically important clearwing moths (Lepidoptera: Sesiidae). *Florida Entomologist* 90: 475-479.

Szalanski, A.L., and J.A. McKern*. 2007. Multiplex PCR-RFLP diagnostics of the Africanized honey bee (Hymenoptera: Apidae). *Sociobiology* 50: 939-945.

McKern, J.A*., **A.L. Szalanski**, J.W. Austin, M.T. Messenger, J. Mahn, and R.E. Gold. Phylogeography of termites (Isoptera) from Oregon and Washington. *Sociobiology* 50: 607-622.

King, S.W., J.W. Austin, and **A.L. Szalanski**. 2007. Use of soldier pronotal width and mitochondrial DNA sequencing to distinguish the subterranean termites, *Reticulitermes flavipes* (Kollar) and *R. virginicus* (Banks) (Isoptera: Rhinotermitidae), on the Delmarva peninsula. *Entomological News* 118: 41-48.

**2006
(12)**

Szalanski, A.L., J.W. Austin, J.A. McKern*, C.D. Steelman and D. Miller. 2006. Time course analysis of bed bug, *Cimex lectularius* L., (Hemiptera: Cimicidae) blood meals using PCR. *Journal of Agricultural and Urban Entomology* 23: 237-241.

Szalanski, A.L., J.W. Austin, J.A. McKern*, D. Miller, C.D. Steelman, and R.E. Gold. 2006. Isolation and characterization of human DNA from the bed bug, *Cimex lectularius* L. (Heteroptera: Cimicidae). *Journal of Agricultural and Urban Entomology* 23: 189-194.

McKern, J.A.* **A.L. Szalanski**, and J.W. Austin. 2006. First record of *Reticulitermes flavipes* and *Reticulitermes hageni* in Oregon (Isoptera: Rhinotermitidae). *Florida Entomologist* 89: 541-542.

Taylor, D.B., R. Moon, G. Gibson, and **A. Szalanski**. 2006. Genetic and morphological comparisons of New and Old World populations of *Spalangia* species (Hymenoptera: Pteromalidae). *Annals of the Entomological Society of America*. 99: 799-808.

Austin, J.W., **A.L. Szalanski**, M.T. Messenger, J.A. McKern*, and R.E. Gold. 2006. Genetic variation and phylogenetics of *Reticulitermes* (Isoptera: Rhinotermitidae) from the American great plains. *Sociobiology* 48: 427-445.

Austin, J.W., **A.L. Szalanski**, R.H. Scheffrahn, M.T. Messenger, and R.E. Gold. 2006. Genetic

evidence for two introductions of the Formosan subterranean termite, *Coptotermes formosanus* (Isoptera: Rhinotermitidae), to the United States. Florida Entomologist 89: 183-193.

Szalanski, A.L., J.W. Austin, and M.T. Messenger. 2006. Genetic evidence for a new subterranean termite species (Isoptera: Rhinotermitidae) from western United States and Canada. Florida Entomologist 89: 299-304.

Austin, J.W., **A.L. Szalanski**, R. Ghayourfar, A. Kence, and R.E. Gold. 2006. Phylogeny and genetic variation of *Reticulitermes* (Isoptera: Rhinotermitidae) from the eastern Mediterranean and middle east. Sociobiology 47: 873-890.

Tripodi, A.D.**, J.W. Austin, **A.L. Szalanski**, J. McKern*, M.K. Carroll, R.K. Saran, and M.T. Messenger. 2006. Phylogeography of *Reticulitermes* termites (Isoptera: Rhinotermitidae) in California inferred from mitochondrial DNA sequences. Annals of the Entomological Society of America 99: 697-705.

Kelley, M.B., S.W. Wingard, **A.L. Szalanski** and F.M. Stephen. 2006. Molecular Diagnostics of *Enaphalodes rufulus* (Coleoptera: Cerambycidae). Florida Entomologist 89: 251-256.

Lewter, J.A.* , **A.L. Szalanski**, R.N. Nagoshi, R.L. Meagher, C.B. Owens, and R.G. Luttrell. 2006. Genetic variation within and between strains of the fall armyworm, *Spodoptera frugiperda* (Lepidoptera: Noctuidae). Florida Entomologist 89: 62-67.

Szalanski, A.L., C.B. Owens*, J.A. Lewter*, and A.B. Broce. 2006. Genetic structure of *Aedes vexans* (Diptera: Culicidae) populations from central United States based on mitochondrial ND5 sequences. Annals of the Entomological Society of America. 99: 157-163.

**2005
(7)**

Austin, J.W.* , **A.L. Szalanski**, R.H. Scheffrahn, and M.T. Messenger. 2005. Genetic variation of *Reticulitermes flavipes* (Isoptera: Rhinotermitidae) in North America using the mitochondrial rRNA 16S gene. Annals of the Entomological Society of America 98: 980-988.

Owens, C.B.* , and **A.L. Szalanski**. 2005. Filter Paper for Preservation, Storage, and Distribution of Insect and Pathogen DNA Samples. Journal of Medical Entomology 42: 709-711.

Agudelo, P., R.T. Robbins, J. McD. Stewart, and **A.L. Szalanski**. 2005. Intraspecific variability of *Rotylenchulus reniformis* from cotton-growing regions in the United States. Journal of Nematology 37: 105-114.

Austin, J.W.* , **A.L. Szalanski**, R.H. Scheffrahn, M.T. Messenger, S. Dronnet, and A-G. Bagneres. 2005. Genetic evidence for the synonymy of two *Reticulitermes* species: *Reticulitermes flavipes* (Kollar) and *Reticulitermes santonensis* (Feytaud). Annals of the Entomological Society of America 98: 395-401.

Scheffrahn, R.H., J. Krecek, **A.L. Szalanski**, and J.W. Austin*. 2005. Synonymy of the neotropical arboreal termites, *Nasutitermes corniger* and *N. costalis* (Isoptera: Termitidae), with evidence from morphology, genetics, and biogeography. Annals of the Entomological Society of America 98: 273-281.

Scheffrahn, R.H., J. Krecek, **A.L. Szalanski**, J.W. Austin*, and Y. Roisin. 2005. Synonymy of two arboreal termites (Isoptera:Termitidae: Nasutitermitinae): *Nasutitermes corniger* from the Neotropics and *N. polygynus* from New Guinea. Florida Entomologist 88: 28-33.

McElroy, S., **A.L. Szalanski**, T. McKay, A.J. Bermudez, C.B. Owens*, and C.D. Steelman. 2005. Molecular assay for the detection of *Cochlosoma anatis* in house flies and turkey specimens by polymerase chain reaction. Veterinary Parasitology 127: 165-168.

2004
(11)

Neilson R., W. Ye, C.M.G. Oliveira, J. Hubschen, R.T. Robbins, D.J.F. Brown, and **A.L. Szalanski**. 2004. Phylogenetic relationships of Longidoridae species (Nematoda: Dorylaimida) from North America inferred from 18S rDNA sequence data. *Helminthologia* 41: 209-215.

Austin, J.W.*, **A.L. Szalanski**, and M.T. Messenger. 2004. Genetic variation and distribution of the subterranean termite genus *Reticulitermes* (Isoptera: Rhinotermitidae) in Arkansas and Louisiana. *Florida Entomologist* 87: 473-480.

Scheffrahn, R.H., J. Krecek, B. Maharajh, N.-Y. Su, J.A. Chase, J.R. Mangold, **A.L. Szalanski**, J.W. Austin*, and J. Nixon. 2004. Establishment of the African termite, *Coptotermes sjostedti* (Isoptera: Rhinotermitidae) on the island of Guadeloupe, French West Indies. *Annals of the Entomological Society of America*. 97: 872-876.

Szalanski, A.L., C.B. Owens*, T. McKay, and C.D. Steelman. 2004. Detection of *Campylobacter* sp., and *E. coli* O157:H7 in filth flies (Diptera: Muscidae) by polymerase chain reaction. *Medical and Veterinary Entomology* 18: 241-246.

Ye, W., **A.L. Szalanski**, and R.T. Robbins. 2004. Genetic variation and phylogenetics of *Longidorus* and *Xiphinema* species (Nematoda: Dorylaimida) using ITS1 sequences of nuclear ribosomal DNA. *Journal of Nematology* 36: 14-19.

Szalanski, A.L. J.W. Austin, R.H. Scheffrahn, and M.T. Messenger. 2004. Molecular diagnostics of the Formosan subterranean termite, *Coptotermes formosanus* (Isoptera: Rhinotermitidae). *Florida Entomologist* 87: 152-158.

Austin, J.W.*, **A.L. Szalanski**, and B.M. Kard. 2004. Distribution and genetic variation of *Reticulitermes* (Isoptera: Rhinotermitidae) in Oklahoma. *Florida Entomologist* 87: 145-151.

Szalanski, A.L., R.H. Scheffrahn, J.W. Austin*, J. Krecek, and N-Y Su. Molecular phylogeny and biogeography of *Heterotermes* (Isoptera: Rhinotermitidae) in the West Indies. *Annals of the Entomological Society of America*. 97: 556-566.

Austin, J.W.*, **A.L. Szalanski**, and B.J. Cabrera. 2004. A phylogenetic analysis of the subterranean termite family Rhinotermitidae (Isoptera) using the mitochondrial cytochrome oxidase (COII) gene. *Annals of the Entomological Society of America* 97: 548-555.

Austin, J.W.*, **A.L. Szalanski**, R.E. Gold, and B.T. Foster. 2004. Genetic variation and geographical distribution of the subterranean termite genus *Reticulitermes* in Texas. *Southwestern Entomologist* 29: 1-11.

Szalanski, A.L., T.W. Palmer, T. McKay, and C.D. Steelman. 2004. Infectivity of *Steinernema* spp. (Nematoda: Steinernematidae) to adult litter beetles, *Alphitobius diaperinus* (Coleoptera: Tenebrionidae) in the laboratory. *Biocontrol Science and Technology* 14: 81-85.

2003
(7)

Lewter, J.A.*, T. Yamashita, and **A.L. Szalanski**. 2003. DNA sequence analysis of the freshwater mussel *Lampsilis hydiana* (Louisiana fatmucket) in select Ozark and Ouachita mountain streams of Arkansas. *Journal of the Arkansas Academy of Sciences*. 57: 216-220.

Stafne, E.T., **A.L. Szalanski**, and J.R. Clark. 2003. Nuclear ribosomal ITS region sequences for differentiation of *Rubus* cultivars. *Journal of the Arkansas Academy of Sciences*. 57: 176-180.

Roehrdanz, R.L., **A.L. Szalanski**, and E. Levine. 2003. Mitochondrial DNA and ITS1 differentiation in geographical populations of northern corn rootworm, *Diabrotica barberi* (Coleoptera: Chrysomelidae): identification of distinct genetic populations. *Annals of the Entomological Society of America*. 96: 901-913.

- Szalanski, A.L.**, J.W. Austin*, and C.B. Owens. 2003. Identification of *Reticulitermes* spp. (Isoptera: Rhinotermitidae) from south central United States by PCR-RFLP. *Journal of Economic Entomology* 96: 1514-1519.
- Szalanski, A.L.**, and C.B. Owens. 2003. Genetic variation of the southern corn rootworm, *Diabrotica undecimpunctata howardi* (Coleoptera: Chrysomelidae). *Florida Entomologist* 86: 329-333.
- Szalanski, A.L.**, and C.B. Owens. 2003. Sequence change and phylogenetic signal in muscoid COII DNA sequences. *DNA Sequence*. *DNA Sequence* 14: 331-334.
- Petersen, J.L., R. Bischof, G.L. Krapu, and **A.L. Szalanski**. 2003. A phylogenetic analysis of the sandhill crane, *Grus canadensis*, mid-continental population. *Biochemical Genetics* 41: 1-12.
- 2002**
(1) Austin, J.W.* , **A.L. Szalanski**, P. Uva, and A. Kence. 2002. A Comparative Genetic Analysis of the Subterranean Termite Genus *Reticulitermes* (Isoptera: Rhinotermitidae). *Annals of the Entomological Society of America* 95: 753-760.
- 2001**
(3) Powers, T.O., **A.L. Szalanski**, P.G. Mullin, T.S. Harris, T. Bertozzi, and J.A. Griesbach. 2001. Identification of seed gall nematodes of agronomic and regulatory concern with PCR-RFLP of ITS1. *Journal of Nematology* 38: 191-194.
- Szalanski, A.L.**, P.G. Mullin, T. Harris, and T.O. Powers. 2001. First report of Columbia root-knot nematode (*Meloidogyne chitwoodi*) in potato in Texas. *Plant Disease* 85: 442.
- Szalanski, A.L.**, G. Steinauer, R. Bischof, and J. Petersen. 2001. Origin and conservation genetics of the threatened Ute Ladies' Tresses, *Spiranthes diluvialis* (Orchidaceae). *American Journal of Botany* 88: 176-179.
- 2000**
(6) **Szalanski, A.L.**, D.B. Taylor, and P.G. Mullin. 2000. Assessing nuclear and mitochondrial DNA sequence variation in *Steinernema* (Rhabditida: Steinernematidae). *Journal of Nematology* 32: 229-233.
- Szalanski, A.L.**, R. L. Roehrdanz, and D.B. Taylor. 2000. Genetic relationship among *Diabrotica* species (Coleoptera: Chrysomelidae) based on rDNA and mtDNA sequences. *Florida Entomologist* 83: 262-267.
- Szalanski, A.L.**, D.S. Sikes, R. Bischof, and M. Fritz. 2000. Population genetics and phylogenetics of the endangered American burying beetle, *Nicrophorus americanus* (Coleoptera: Silphidae). *Annals of the Entomological Society of America* 93: 589-594.
- Szalanski, A.L.**, R. Bischof, and G. Mestl. 2000. Population genetic structure of Nebraska paddlefish based on mtDNA variation. *Transactions of the American Fisheries Society* 129: 1060-1065.
- Bischof, R. and **Szalanski A.L.** 2000. Mitochondrial DNA variation in pallid and shovelnose sturgeon (Pisces: Acipenseridae). *Transactions of the Nebraska Academy of Sciences*. 26: 19-21.
- Szalanski A.L.**, K. Church, D. Oates, R. Bischof, and T.O. Powers. 2000. Mitochondrial DNA variation within and among wild turkey (*Meleagris gallopavo*) subspecies. *Transactions of the Nebraska Academy of Sciences*. 26: 47-53.
- 1999**
(2) **Szalanski, A.L.**, R.L. Roehrdanz, D.B. Taylor and L. Chandler. 1999. Genetic variation in geographical populations of western and Mexican corn rootworm. *Insect Molecular Biology* 8:

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Refereed Abstracts

2010 **Szalanski, A.L.**, J. Whitaker, and P. Cappy. 2010. Molecular diagnostics of *Nosema ceranae* and *N. apis* from honey bees in New York. *American Bee Journal* 150: 508 (abstract).

2009 Cordero, M., R.T. Robbins, and **A.L. Szalanski**. 2009. Taxonomic identification and molecular characterization of nematodes in the suborder Criconeematina. *Journal of Nematology* 31: (in press).

2006 Bae, C-H., **A.L. Szalanski**, and R.T. Robbins. 2006. Intraspecific ITS1 polymorphism in the Columbia lance nematode *Hoplolaimus columbus*. *Journal of Nematology* 28: 259-260.

- 2003** Garcia-Varela, M., P.G. Mullin, T.S. Harris, **A.L. Szalanski**, T.O. Powers, and B.J. Adams. 2003. A phylogenetic analysis of the order Tylenchida (Nematoda) based on 18S ribosomal DNA sequences: characters, support, and tests of systematic hypotheses. *Journal of Nematology* 35:(4) (in press) (Abstr).
- Lewter, J.A. *, **A.L. Szalanski** and T.A. Kral. 2003. Molecular diagnostics of methanogens in a Mars soil stimulant. *Gravitational and Space Biology Bulletin* 17: 11.(Abstr).
- 2002** Ye, W., R.T. Robbins, and **A.L. Szalanski**. 2002. Phylogenetic analysis of *Longidorus* and *Xiphinema* species (Nematoda: Dorylaimida) using ITS1 sequences of nuclear ribosomal DNA. *Nematology* 4: 182-183 (Abstr).
- 2001** **Szalanski, A.L.**, P.G. Mullin, and T.O. Powers. 2001. Molecular diagnostics of economically important nematodes. *Phytopathology* 91: S143.
- Mullin, P.G., **A.L. Szalanski**, T.S. Harris, and T.O. Powers. 2001. Status of *Campydora* (Nematoda: Campydorina). *Phytopathology* 91: S139.
- Powers, T.O., B.J. Adams, P.G. Mullin, and **A.L. Szalanski**. 2001. Evolution of plant parasitism in nematodes. *Phytopathology* 91: S173 (Abstr).
- 2000** **Szalanski, A.L.**; P.G. Mullin, and T.O Powers. 2000. Nematodes associated with corn in Nebraska. *Journal of Nematology* 32: 463 (Abstr).
- Clark, B.P., D.B. Taylor, **A.L. Szalanski**, and T.O. Powers. 2000. Virulence and persistence of *Steinernema feltiae* towards house fly, *Musca domestica*, in bovine manure. *Journal of Nematology* 32: 425 (Abstr).
- Mullin, P.G., **A.L. Szalanski**, T.S. Harris, and T.O Powers. 2000. Phylogeny of Dorylaimida inferred from partial 18S rDNA sequence data. *Journal of Nematology* 32: 447 (Abstr).
- Mullin, P.G., **A.L. Szalanski**, B Higgins, C. Kolm, and T.O. Powers. 2000. Survey of tallgrass prairie nematodes in a temperate ecocystem. *Journal of Nematology* 32: 447-448 (Abstr).
- Powers, T.O., **A.L. Szalanski**, and P.G. Mullin. 2000. Nematodes from the Sandhill fens of Nebraska. *Journal of Nematology* 32: 455 (Abstr).
- 1998** Roehrdanz, R.L., **A.L. Szalanski**, L. Chandler, and T.O. Powers. 1998. Genetic variation in western, Mexican and northern corn rootworms, *Diabrotica* spp. (Coleoptera: Chrysomelidae). *Keystone Symposia: Toward the genetic manipulation of insects*. p. 35. (Abstr).
- Powers, T.O., J.A. Griesbach, **A.L. Szalanski** and B.A. Adams. 1998. Molecular identification of Anguinid quarnatinable nematode species. *Journal of Nematology* 30: 511. (Abstr).
- 1997** Powers, T.O., B.A. Adams, and **A.L. Szalanski**. 1997. Linking molecular and morphological characters in taxonomic studies of nematodes. *Journal of Nematology* 29: 601. (Abstr.).
- Szalanski, A.L.**, B.A. Adams, and T.O. Powers. 1997. Molecular systematics of Tylenchida using 18S ribosomal DNA. *Journal of Nematology* 29: 607. (Abstr.).
- 1996** **Szalanski, A.L.**, C.C. Fleming, and T.O. Powers. 1996. Population structure and systematics of potato cyst nematodes using rDNA sequence polymorphisms. *Nematophica* 26: 317. (Abstr.).
- 1995** **Szalanski, A.L.**, C.C. Fleming, D. Sui, and T.O. Powers. 1995. The genetic population structure of potato cyst nematodes. *Journal of Nematology* 27: 520. (Abstr.).

Reports and Non-refereed Publications

- 2009** Chapon, L., M.D. Ellis, and **A.L. Szalanski**. 2009. *Nosema* and tracheal mites in the north central region – 2008 survey. Proceedings of the American Bee Research Conference. American Bee Journal 149: 585-586.
- Szalanski, A.L.**, R. Magnus, and J. Whitaker. 2009. Honey bee research at the University of Arkansas. Arkansas Plant Board Apiary Newsletter 46:(3) pg. 2.
- Szalanski, A.L.**, and R. Magnus. 2009. Honey bee genetics research at the University of Arkansas. Arkansas Plant Board Apiary Newsletter 46:(2) pg. 1-2.
- Szalanski, A.L.**, and J. Whitaker. 2009. *Nosema ceranae* research at the University of Arkansas. Arkansas Plant Board Apiary Newsletter 46:(1) pg. 1.
- 2008** **Szalanski, A.L.**, and R. Magnus. 2008. Honey bee genetics research at the University of Arkansas. Arkansas Plant Board Apiary Newsletter 45:(2) pg. 1.
- 2005** **Szalanski, A.L.**, C.B. Owens, and J.W. Austin. 2005. Quantification of the residual insecticide Fipronil by HPLC: Horizontal transmission between subterranean termites. BASF. 21 pp.
- 2004** **Szalanski, A.L.**, J.W. Austin, C.B. Owens, and J.A. Lewter. 2004. Evaluation of two insecticide baits for control of house fly, *Musca domestica*, CA strain. FMC Corporation, 11 pp.
- Agudelo, P., R. Robbins, **A.L. Szalanski**, and J. Stewart. 2004. Genetic diversity of reniform nematode populations. Proceedings of the Beltwide Cotton Conference. 410.
- Luttrell, R.G., I. Ali, K.C. Allen, S.Y. Young III, **A.L. Szalanski**, K. Williams, G. Lorenz, C.D. Parker Jr., and C. Blanco. 2004. Resistance to Bt in Arkansas populations of cotton bollworm. Proceedings of the Beltwide Cotton Conference. 1373-1383.
- 2003** **Szalanski, A.L.**, G. Steinauer, J.L. Petersen, and R. Bischof. 2003. Nuclear ribosomal DNA sequence variation in blowout penstemon, *Penstemon haydenii* (Scrophulariaceae). Nebraska Game and Parks Commission.
- 1999** Roehrdanz, R.L., **A.L. Szalanski**, and D.B. Taylor. 1999. DNA based studies of corn rootworms: Identification of genetically distinct populations of northern corn rootworm and biosystematics of *Diabrotica* species. 1999 USDA-ARS corn rootworm areawide management report.
- 1989** Galloway, T.D., and **A.L. Szalanski**. 1989. Efficacy of a permethrin pour-on (Delice) and two cyhalothrin (10% and 20%) ear tags against horn flies in Manitoba. 1989 ECPUA Agriculture Canada, Pesticide Research Reprints., p. 141.
- 1988** Galloway, T.D., and **A.L. Szalanski**. 1988. Efficacy and retention of two different cypermethrin impregnated plastic ear tags for horn fly control in Manitoba. 1988 ECPUA Agriculture Canada, Pesticide Research Reprints, p.148.
- Galloway, T.D., and **A.L. Szalanski**. 1988. Efficacy of cypermethrin and diazinon ear tags against horn flies in Manitoba, 1988. 1988 ECPUA Agriculture Canada, Pesticide Research Reprints, p.147.
- 1987** Galloway, T.D., J. Strachan, and **A.L. Szalanski**. 1987. Efficacy of single and mixed component insecticidal ear tags for control of horn flies in Manitoba, 1987. 1987 ECPUA Agriculture Canada, Pesticide Research Reprints, p.162.

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- 1996-2009 942 DNA sequences deposited at the NIH National Center for Biotechnology Information (<http://www.ncbi.nlm.nih.gov/sites/entrez?term=szalanski&cmd=Search&db=nucore>)
- 2001 Interactive Diagnostic Key to Plant Parasitic, Freelifing and Predaceous Nematodes. <http://www.ianr.unl.edu/ianr/plntpath/nematode/key/nemakey.htm>
- 1999 Laboratory Manual for Wildlife Molecular Forensics. http://nematode.unl.edu/wildlife_diagnostics.pdf
- 1997 Molecular Identification of Nematodes Manual. <http://www.ianr.unl.edu/ianr/plntpath/nematode/nemaid.pdf>

Grant and contract Activity (total \$674,328)

	<i>Career external support obtained</i>				
	<i>(number)</i>				
	<i>National</i>	<i>Regional</i>	<i>State</i>	<i>University</i>	<i>Private Industry</i>
<i>Grants</i>	3	2	6	6	10
<i>Contractual</i>	1	0	0	2	0
<i>Gift</i>	0	0	0	0	0
<i>Dollar Amount</i>	\$259,329	\$82,710	\$49,000	\$84,000	\$198,989

National Grants, Contracts and Gifts

- 2002** Steelman, C.D., **A.L. Szalanski (Co-PI)**, and S.E. Watkins, Evaluation of monitoring systems, pathogen detection, and alternative tactics for IPM of filth flies in poultry production facilities. \$128,814. *Granting Agency:* USDA-CSREES-PMAP.
- 1999** **Szalanski, A.L. (PI)**, Genetic variation within and among three sandhill crane subspecies. \$1,700 [Contract]. *Granting Agency:* USGS
- 1998** Powers, T.O., and **A.L. Szalanski (Co-PI)**, Entomopathogenic nematodes for biological control of filth flies in feedlots. \$84,815. *Granting Agency:* USDA-CSREES-NRI.
- 1998** **Szalanski, A.L. (PI)**, Population genetics and phylogenetics of the endangered Ute ladies'-tresses orchid. \$34,000. *Granting Agency:* USFWS.
- 1995** Powers, T.O., and **A.L. Szalanski (Co-PI)**, Development of an online diagnostic resource for nematodes of quarantinable concern. \$10,000 [Contract]. *Granting Agency:* USDA-APHIS.

Regional Grants, Contracts, and Gifts

- 2004** Steelman, C.D., **A.L. Szalanski (Co-PI)**, and T. McKay, Using parasitoids in an integrated pest management approach to control flies on dairy farms. \$288,176 (UARK MOA \$68,810). *Granting Agency:* USDA Southern Region SARE program.
- 2003** Foil, L., **A.L. Szalanski (Co-PI)**, and J. Hogsette, Development of an integrated control program for the stable fly. \$87,300 (UARK sub-contract for \$13,900). *Granting Agency:* USDA Southern Region IPM program.

State Grants, Contracts, and Gifts

- 2009** **Szalanski, A.L. (PI)**, Molecular detection of *Nosema ceranae* from New York honey bees.

\$18,000, Granting Agency: New York State Department of Agriculture and Markets.

- 2005** Szalanski, A.L. (PI), Genetic variation of *Reticulitermes* termites from North America. \$9,000. Granting Agency: City of New Orleans Termite and Mosquito Control Board.
- 2001** Szalanski, A.L. (PI), Population genetics of the endangered blowout penstemon. \$2,500. Granting Agency: Nebraska Game and Parks Commission Nongame Wildlife Check-off Fund.
- 2000** Szalanski, A.L. (PI), Population genetics of the endangered blowout penstemon. \$2,500. Granting Agency: Wyoming Natural Diversity Database.
- 1999** Szalanski, A.L. (PI), Population genetics of the endangered blowout penstemon. \$10,000. Granting Agency: Nebraska Game and Parks Commission Nongame Wildlife Check-off Fund.
- Szalanski, A.L. (PI), Molecular population genetics and phylogenetics of the endangered American burying beetle. \$10,000. Granting Agency: Nebraska Game and Parks Commission Nongame Wildlife Check-off Fund.

University Grants, Contracts, and Gifts

- 2007** Luttrell, R. (PI), and A.L. Szalanski (Co-PI). Genetic variation and insecticide resistance of *Heliothis zea*. \$10,000. Granting Agency: AAES Research Incentive
- 2005** Szalanski, A.L. (PI), Genetic variation and host identification of the mosquito *Aedes vexans*: A vector of West Nile virus. \$10,000. Granting Agency: AAES Research Initiation.
- 2004** Szalanski, A.L. (PI), Genetic variation and host identification of the mosquito *Aedes vexans*: A vector of West Nile virus. \$10,000. Granting Agency: AAES Research Initiation.
- 2003** Szalanski, A.L. (PI). Molecular phylogenetics and diagnostics of invasive termites. \$7,000 [Contract]. Granting Agency: University of Florida.
- Steelman, C.D., A.L. Szalanski (Co-PI), and T. McKay, Determine the epidemiological significance of the house fly and other filth flies in the movement of the pathogen complex that causes poult enteritis and mortality syndrome (PEMS) into and among turkey flocks. \$12,000 Granting Agency: AAES Animal Health.
- Szalanski, A.L. (PI), Population genetics of fall armyworm. \$10,000. Granting Agency: AAES Research Initiation.
- 2002** Szalanski, A.L. (PI). Molecular phylogenetics and diagnostics of invasive termites. \$5,000 [Contract]. Granting Agency: University of Florida.
- Szalanski, A.L. (PI), Population genetics of economically important noctuid moths. \$10,000. Granting Agency: AAES Research Initiation.

Private Industry Grants, Contracts, and Gifts

- 2009** Szalanski, A.L. (PI), Molecular diagnostics of termites. \$5200, Granting Agency: BASF.
- Szalanski, A.L. (PI), Evaluation of sentricon termite stations. \$15,000. Granting Agency: DowAgrosciences.
- 2008** Szalanski, A.L. (PI), Evaluation of sentricon termite stations. \$20,000. Granting Agency: DowAgrosciences.
- 2007** Szalanski, A.L. (PI), Evaluation of sentricon termite stations. \$20,000. Granting Agency: DowAgrosciences.

- 2006** Szalanski, A.L. (PI), Evaluation of sentricon and halo termite stations. \$25,000. Granting Agency: DowAgrosciences.
- 2005** Szalanski, A.L. (PI), Horizontal transfer of fipronil/Chlorphenapyr between termite colonies. \$25,000. Granting Agency: BASF.
- 2004** Szalanski, A.L. (PI). 2004. Evaluation of Talstarone and Bifenthrin for control of *Musca domestica*. \$21,000. Granting Agency: FMC.
- Szalanski, A.L. (PI). 2004. Evaluation of Recruit III for termite control. \$10,000. Granting Agency: DowAgrosciences.
- Szalanski, A.L. (PI), Horizontal transfer of fipronil/Chlorphenapyr between termite colonies. \$25,000. Granting Agency: BASF.
- Szalanski, A.L. (PI), Evaluation of a bait for control of house flies. \$9,000. Granting Agency: FMC.
- 2003** Johnson, D.T., B.A. Lewis, and A.L. Szalanski (Co-PI), Organic pest management practices of apples and peaches. \$39,989. Granting Agency: Gerber Products.

Professional Presentations at Meetings or Conferences

	<i>Career Presentations</i>
International Meetings	7
National Meetings	78
Regional Meetings	40

International Presentations to Peers

- 2010** Tripodi, A.*, R. Magnus*, and A.L. Szalanski. 2010. Genetic diversity of bumble bees in south central United States. International Conference on Pollinator Biology, Health and Policy. State College, PA.
- Szalanski, A.L., J. Whitaker*, and P. Cappy. 2010. Molecular diagnostics of *Nosema ceranae* and *N. apis* from honey bees in New York. North American Beekeeping Conference, Orlando, FL.
- 2009** Trout, R.T., C.D. Steelman, and A.L. Szalanski. 2009. Genetic and spatial identification of *Borrelia* and *Rickettsia* pathogens from Arkansas ticks and mammals. The 64th International Conference on Diseases in Nature Communicable to Man. Fort Worth, TX. (*invited*)
- 2004** Agudelo, P., R. Robbins, A.L. Szalanski, and J. Stewart. 2004. Diversity of reniform nematode geographic populations. XXVII International Symposium of the European Society of Nematologists, Rome, Italy.
- Roehrdanz, R., E. Levine, and A.L. Szalanski. 2004. Genetic diversity and *Wolbachia* in northern corn rootworm. International Conference on *Diabrotica* Genetics, Kansas City, MO.
- 2002** Ye, W., R.T. Robbins, and A.L. Szalanski. 2002. Phylogenetic analysis of *Longidorus* and *Xiphinema* species (Nematoda: Dorylaimida) using ITS1 sequences of nuclear ribosomal DNA. Fourth International Congress of Nematology, Tenerife, Canary Islands.
- 1997** Szalanski, A.L., and T.O. Powers. 1997. Molecular population genetics of potato cyst nematodes (Nemata: Heteroderidae) based on rDNA ITS1 sequence variation. Third

National Presentations to Peers *Graduate Student, **Undergraduate Student

- 2009** Cordero, M., R.T. Robbins, and **A.L. Szalanski**. 2009. Taxonomic identification and molecular characterization of nematodes in the suborder Criconematina. Annual meeting of the Society of Nematologists, Burlington, VT.
- Trout, C.D. Steelman, **A.L. Szalanski**, and P.H. Williamson. 2009. Genetic and spatial identification of *Rickettsia* in Arkansas, Livestock Insect Workers Conference, French Lick, IN.
- Trout, R.T., C.D. Steelman, and **A.L. Szalanski**. 2009. Population genetics and phylogeography of *Ixodes* ticks from Arkansas. Livestock Insect Workers Conference, French Lick, IN.
- Chapon, L., M.D. Ellis, and **A.L. Szalanski**. 2009. *Nosema* and tracheal mites in the north central region – 2008 survey. American Bee Research Conference, Gainesville, FL.
- Magnus, R.* and **A.L. Szalanski**. 2009. Genetic variation of honey bees from central United States. Third Annual Arthropod Genomics Symposium, Kansas City, MO.
- Solorzano, C.*, and **A.L. Szalanski**. 2009. Genetic diversity of honey bees from Turkey. Third Annual Arthropod Genomics Symposium, Kansas City, MO
- Whitaker, J.*, and **A.L. Szalanski**. 2009. Molecular detection and occurrence of *Nosema ceranae* from Turkish honey bees. Third Annual Arthropod Genomics Symposium, Kansas City, MO
- 2008** Solorzano, C., **A.L. Szalanski**, M. Kence, A. Kence, and J.W. Austin. Phylogeography and population genetics of honey bees (*Apis mellifera* L.) from Turkey based on COI-COII sequence data. Annual meeting of the Entomological Society of America, Reno, NV.
- Trout, R.T., C. D. Steelman, **A.L. Szalanski**, K. Kvamme, and P. Williamson. Genetic identification and environmental modeling of *Borrelia* pathogens isolated from Arkansas ticks and mammals. Annual meeting of the Entomological Society of America, Reno, NV.
- Magnus, R., **A.L. Szalanski**, and C. Solorzano. Genetic diversity of honey bees, *Apis mellifera*, from south central United States. Annual meeting of the Entomological Society of America, Reno, NV.
- McKern, J., **A.L. Szalanski**, and J.W. Austin. Genetic variation of the cat flea. Annual meeting of the Entomological Society of America, Reno, NV.
- Trout, R., **A.L. Szalanski**, C.D. Steelman. Population genetics and phylogeography of Arkansas-collected ticks. Annual meeting of the Entomological Society of America, Reno, NV. (*invited*).
- Szalanski, A.L.** Genetic diversity of *Reticulitermes* termites from western United States. National Conference on Urban Entomology, Tulsa, OK. (*invited*)
- 2007** Loftin, K., S. Brazil, T. McKay, W. Watson, J. Edwards, D. Steelman, **A. L. Szalanski**, J. Pennington, K. VanDevender, and S. Willard. 2007. House fly (*Musca domestica*) and stable fly (*Stomoxys calcitrans*) parasitism following sustained releases of pteromalid wasps in southern dairies. Annual meeting of the Entomological Society of America, San Diego, CA.

Trout, R.T., C.D. Steelman, and **A.L. Szalanski**. 2007. *Rickettsia rickettsii* and *Francisella tularensis* found in ticks collected from Arkansas pets. Annual meeting of the Entomological Society of America, San Diego, CA.

Stelman, C.D., R. Trout, J. McKern*, and **A.L. Szalanski**. 2007. Bed bugs and poultry: Insecticide resistance and genetics. Annual meeting of the Entomological Society of America, San Diego, CA. (invited)

Szalanski, A.L., and J. McKern*. 2007. DNA barcoding: Ants of the Ozark-St. Francis National Forest. Annual meeting of the Entomological Society of America, San Diego, CA.

Solorzano, C.*, and **A. L. Szalanski**. 2007. Population genetics of the flood water mosquito *Aedes vexans*. Annual meeting of the Entomological Society of America, San Diego, CA.

McKern, J.*, and **A.L. Szalanski**. 2007. Genetic variation of the lesser peach tree borer, *Synanthedon pictipes* (Lepidoptera: Sesiidae). Annual meeting of the Entomological Society of America, San Diego, CA.

McKern, J.*, and **A.L. Szalanski**. 2007. Molecular forensic analysis of bed bug *Cimex lectularius* L. (Hemiptera: Cimicidae) bloodmeals. Annual meeting of the Entomological Society of America, San Diego, CA. (invited)

Owens, C. and **A.L. Szalanski**. 2007. Molecular detection of pathogens associated with filth flies. Annual meeting of the Entomological Society of America, San Diego, CA. (invited)

Szalanski, A.L. 2007. Phylogeography and population genetics of bed bugs, *Cimex lectularius* L. (Hemiptera: Cimicidae), from North America. Annual meeting of the Entomological Society of America, San Diego, CA. (invited)

2006 **Szalanski, A.L.**, J. McKern*, and J. Austin. 2006. Phylogeography of *Reticulitermes* from Florida. Annual meeting of the Entomological Society of America, Indianapolis, IN.

Austin, J., **A.L. Szalanski**, and R.E. Gold. 2006. *Reticulitermes mallei*: A valid nearctic subterranean termite (Isoptera: Rhinotermitidae) from the eastern United States. Annual meeting of the Entomological Society of America, Indianapolis, IN.

Solorzano, C.*, C. Owens, and **A.L. Szalanski**. 2006. Genetic diversity of *Aedes vexans* from New Orleans: Pre and post Katrina. Annual meeting of the Entomological Society of America, Indianapolis, IN.

McKern, J.*, and **A.L. Szalanski**. 2006. Molecular diagnostics of clearwing moths (Sesiidae: Lepidoptera). Annual meeting of the Entomological Society of America, Indianapolis, IN.

Allen, C., R.G. Luttrell, and **A.L. Szalanski**. 2006. Microsatellite variability in Arkansas populations of *Helicoverpa zea* and *Heliothis virescens* (Lepidoptera: Noctuidae). Annual meeting of the Entomological Society of America, Indianapolis, IN.

Loftin, K., T. McKay, J. Pennington, D. Steelman, **A.L. Szalanski**, K. VanDevender, W. Watson, and S. Willard. 2006. Using parasitic wasps as an IPM approach to manage filth flies in southern dairies. Annual meeting of the Entomological Society of America, Indianapolis, IN.

Bae, C-H., **A.L. Szalanski**, and R.T. Robbins. 2006. Intraspecific ITS1 polymorphism in the lance nematode *Hoplolaimus columbus*. Annual meeting of the Society of Nematologists, Kauai, HI.

Austin, J.W., and **A.L. Szalanski**. 2006. *Reticulitermes* of North America: Molecular

identification, biogeography, and systematics. National conference on urban entomology, Raleigh, NC.

2005

Szalanski, A.L., J.W. Austin*, and M.T. Messenger. 2005. *Reticulitermes okanaganensis*, a new species of termite from western United States and Canada. Annual meeting of the Entomological Society of America, Fort Lauderdale, FL.

Owens, C.B., and **A.L. Szalanski**. 2005. Population genetics of *Aedes vexans* mosquito from New Orleans. Annual meeting of the Entomological Society of America, Fort Lauderdale, FL.

Tripodi, A.**, J. McKern*, **A.L. Szalanski**, and J.W. Austin. 2005. Phylogeography of *Reticulitermes* termites from California. Annual meeting of the Entomological Society of America, Fort Lauderdale, FL.

Austin, J.W.* , **A.L. Szalanski**, and R. Gold. 2005. Molecular phylogenetics of *Coptotermes* termites using mtDNA COII DNA sequences. Annual meeting of the Entomological Society of America, Fort Lauderdale, FL.

Agudelo, P., S.A. Lewis, **A.L. Szalanski**, and B. Fortnum. 2005. Phylogenetic relationships among *Meloidogyne* species based on ribosomal DNA sequences. Annual Meeting of the Society of Nematologists, Ft. Lauderdale, FL.

Bae, C-H., R.T. Robbins, and **A.L. Szalanski**. 2005. Comparative analysis from the ribosomal DNA sequence and phylogeny of the Lance Nematode *Hoplolaimus* (Tylenchida: Hoplolaiminae). Annual Meeting of the Society of Nematologists, Ft. Lauderdale, FL.

Bae, C-H., R.T. Robbins, and **A.L. Szalanski**. 2005. Phylogenetic analysis of Hoplolaiminae (Nematoda: Hoplolaimidae) based on 18S and ITS Ribosomal DNA. Annual Meeting of the Society of Nematologists, Ft. Lauderdale, FL.

2004

Austin, J.W.* , **A.L. Szalanski**, R.H. Scheffrahn, and M.T. Messenger. 2004. Genetic evidence for new species of *Reticulitermes* termites in the United States. Annual Meeting of the Entomological Society of America, Salt Lake City, UT.

Owens, C.B.* , and **A.L. Szalanski**. 2004. Use of filter paper for storage of insect and pathogen DNA. Annual Meeting of the Entomological Society of America, Salt Lake City, UT.

McElroy, S., **A.L. Szalanski**., T. McKay, A. Bermudez, and C. D. Steelman. 2004. Molecular assay for the detection of *Cochlosoma anatis* in house flies and turkey specimens by polymerase chain reaction. Annual Meeting of the Entomological Society of America, Salt Lake City, UT. [**1st place poster, section D**]

Lewter, J.L.* , and **A.L. Szalanski**. 2004. Genetic diversity within and between fall armyworm strains. Annual Meeting of the Entomological Society of America, Salt Lake City, UT.

Agudelo, P., R. Robbins, J. McD Stewart, and **A.L. Szalanski**. 2004. Intraspecific variability of *Rotylenchus reniformis* from cotton growing regions in the United States. Annual Meeting of the Society of Nematologists, Estes Park, CO. [**Best Ph.D. presentation**]

Bae, C-H., R. Robbins, and **A.L. Szalanski**. 2004. Identification of lance nematode with PCR-RFLP of ITS1. Annual Meeting of the Society of Nematologists, Estes Park, CO.

Austin, J.W.* , and **A.L. Szalanski**. 2004. Molecular identification and phylogenetics of termites. National Conference on Urban Entomology, Phoenix, AZ.

Staphne, E., J. Clark, and **A.L. Szalanski**. 2004. Genetic sequence variation in the ITS region of

nine *Rubus* genotypes. American Society for Horticultural Science Annual Meeting, Austin, TX.

2003

Szalanski, A.L., R.H. Scheffrahn, J.W. Austin*, B.J. Cabrera and N.Y. Su. 2003. Tracing the origin of an exotically introduced termite to Florida: Molecular identification of *Heterotermes* sp. Annual Meeting of the Entomological Society of America, Cincinnati, OH.

McKay, T., C.B. Owens*, **A.L. Szalanski**, and C.D. Steelman. 2003. Molecular identification of pathogens carried by black garbage flies associated with turkey production facilities. Annual Meeting of the Entomological Society of America, Cincinnati, OH.

Lewter, J.A.* , C.B. Owens*, R.G. Luttrell, and **A.L. Szalanski**. 2003. Population genetics of fall armyworm: Molecular evidence of a sibling species complex. Annual Meeting of the Entomological Society of America, Cincinnati, OH.

Austin, J.W.* , and **Allen L. Szalanski**. 2003. Molecular genetic variation of *Reticulitermes* termites from the United States. Annual Meeting of the Entomological Society of America, Cincinnati, OH.

Owens C.B.* , T. McKay, **Allen L. Szalanski** and C.D. Steelman. 2003. Molecular identification of pathogens carried by house flies associated with turkey production facilities. Annual Meeting of the Entomological Society of America, Cincinnati, OH. [**1st place poster, section D**]

Wingard, S., **A.L. Szalanski**, and F.M. Stephen. 2003. Population genetics of red oak borer, *Enaphalodes rufulus* (Haldeman) (Coleoptera: Cerambycidae), using PCR-RFLP. Annual Meeting of the Entomological Society of America, Cincinnati, OH.

Garcia-Varela, M., P.G. Mullin, T.S. Harris, **A.L. Szalanski**, T.O. Powers, and B.J. Adams. 2003. A phylogenetic analysis of the order Tylenchida (Nematoda) based on 18S ribosomal DNA sequences: characters, support, and tests of systematic hypotheses. Annual Meeting of the Society of Nematologists, Itaca, NY.

Luttrell, R.G., I. Ali, S. Young, and **A.L. Szalanski**. 2003. Variation in the response of *Helicoverpa zea* and *Heliothis virescens* to CRYI and CRYII insecticidal proteins. Forth National IPM Symposium and Workshop, Indianapolis, IN.

2002

Austin, J.W.* , C.B. Owens*, and **A.L. Szalanski**. 2002. Identification of *Reticulitermes* spp. (Isoptera: Reticulitermatidae) by PCR-RFLP. Annual meeting of the Entomological Society of America. Ft. Lauderdale, FL.

Szalanski, A.L., T.W. Palmer, and C.D. Steelman. 2002. Virulence of *Steinernema* spp. to litter beetles, *Alphitobius diaperinus*. Annual meeting of the Entomological Society of America. Ft. Lauderdale, FL.

Szalanski, A.L. , T.W. Palmer, and C.D. Steelman. 2002. Entomopathogenic nematodes for biological control of litter beetles. 46th Annual Livestock Insect Workers Conference, Ruidoso, NM .

2001

Austin, J.W.* , and **A.L. Szalanski**. 2001. Genetic variation in the rhinotermitid termite genus *Reticulitermes* from Asia, Europe, and North America. Annual Meeting of the Entomological Society of America, San Diego, CA.

Szalanski, A.L., and R. Roehrdanz. 2001. Population genetics of northern corn rootworm. Annual Meeting of the Entomological Society of America, San Diego, CA.

Taylor, D.B., and **A.L. Szalanski**. 2001. Molecular diagnostics and phylogenetics of Pteromalid parasites of filth flies. Annual Meeting of the Entomological Society of America, San Diego, CA.

Roehrdanz, R., E. Levine, and **A.L. Szalanski**. 2001. Distribution of mitochondrial genotypes and the presence of the endosymbiont *Wolbachia* in northern corn rootworms. Annual Meeting of the Entomological Society of America, San Diego, CA.

Szalanski, A.L., P.G. Mullin, and T.O. Powers. 2001. Molecular diagnostics of economically important nematodes. Annual Meeting of the Society of Nematologists, Salt Lake City, Utah. (*invited*).

Mullin, P.G., **A.L. Szalanski**, T.S. Harris, and T.O. Powers. 2001. Status of *Campydora* (Nematoda: Campydorina). Annual Meeting of the Society of Nematologists, Salt Lake City, Utah.

Powers, T.O, B.J. Adams, P.G. Mullin, and **A.L. Szalanski**. 2001. Evolution of Plant Parasitism in Nematodes. Annual Meeting of the Society of Nematologists, Salt Lake City, Utah.

Mullin, P.G., **A.L. Szalanski**, B. Higgins, and T.O. Powers. 2001. Nematodes from Konza tallgrass prairie: Rich diversity in a temperate ecosystem. Annual Meeting of the Ecological Society of America, Madison, Wisconsin.

2000 **Szalanski, A.L.**, P.G. Mullin, and T.O. Powers. 2000. Nematodes associated with corn in Nebraska. Annual Meeting of the Society of Nematologists, Quebec City, Quebec.

Petersen, J.L, R. Bischof, and **A.L. Szalanski**. 2000. Population genetics of midcontinental sandhill cranes. Eighth North American Crane Workshop, Albuquerque, NM. [**student competition winner**]

1999 **Szalanski, A.L.**, and R.L. Roehrdanz. 1999. Genetic demarcation of northern corn rootworm populations revealed by DNA markers. Annual Meeting, Entomological Society of America, Atlanta, GA.

1998 **Szalanski, A.L.**, D. Sikes, and R. Bischof. 1998. Phylogenetic analysis of burying beetles (Coleoptera: Silphidae) based on nuclear rDNA ITS1 sequences. Annual Meeting, Entomological Society of America, Las Vegas, NV.

Taylor, D.B., and **A.L. Szalanski**. 1998. Molecular diagnostics and phylogenetics of *Muscidifurax*. Entomological Society of America, Las Vegas, NV. (*invited*).

Roehrdanz, R. L., **A.L. Szalanski**, L. Chandler, L. and T.O. Powers. 1998. Genetic variation in western, Mexican and northern corn rootworms, *Diabrotica* sp. (Coleoptera: Chrysomelidae). Keystone Symposia: Toward The Genetic Manipulation of Insects. Taos, NM.

Taylor, D.B., and **A.L. Szalanski**. 1998. Entomopathogenic nematodes for the control of filth flies. 42nd Annual Livestock Insect Workers Conference, Lethbridge, AB.

Szalanski, A.L., B.J. Adams, and T.O. Powers. 1998. Molecular systematics of Tylenchida using 18S ribosomal DNA. 36th Annual Meeting, Society of Nematologists, Tucson, AZ.

1996 **Szalanski, A.L.** 1996. Molecular identification of economically important invertebrate pests. Annual Meeting, Entomological Society of America, Indianapolis, IN.

1995 **Szalanski, A.L.**, and T.O. Powers. 1995. The genetic population structure of potato cyst nematodes. 34th Annual Meeting, Society of Nematologists, Little Rock, AR.

1994 **Szalanski, A.L.**, and D.B. Taylor. 1994. Molecular genetic variation of stable fly (Diptera:

Muscidae). Annual Meeting, Entomological Society of America Dallas, TX.

Szalanski, A.L., and T. Hunt. 1994. A PCR based method for molecular identification of three pest species of *Diabrotica*. Annual Meeting, Entomological Society of America, Dallas, TX.

1993 **Szalanski, A.L.** and D.B. Taylor. 1993. Biochemical population genetics of stable fly, *Stomoxys calcitrans* (L.), in Nebraska. Annual Meeting, Entomological Society of America, Indianapolis, IN.

1991 **Szalanski, A.L.**, and A.B. Broce. 1991. Possible involvement of an esterase in pyrethroid resistance in the horn fly, *Haematobia irritans*. Annual Meeting, Entomological Society of America, Reno, NV.

Regional Presentations to Peers

2009 **Szalanski, A.L.**, and R.M. Magnus*. 2009. Genetic variation of Africanized honey bees in the United States. Annual meeting of the North Central Branch – Entomological Society of America.

Ellis, M.D., L. Chapon, and **A.L. Szalanski**. 2009. *Nosema* and tracheal mite prevalence in honey bee colonies in the North Central Region of the U.S. Annual meeting of the North Central Branch – Entomological Society of America.

Trout, R.T., C.D. Steelman, **A.L. Szalanski**, and P.C. Williamson. 2009. *Borrelia* pathogens isolated from canines, deer, and their associated ticks. Annual meeting of the South Eastern Branch – Entomological Society of America.

Magnus, R.A.*, and **A.L. Szalanski**. 2009. Genetic structure of honey bee populations in south central United States. University of Arkansas Graduate Student Research Symposium, Fayetteville, AR.

Magnus, R.A.*, and **A.L. Szalanski**. 2009. Genetic structure of honey bee populations in south central United States. 2009 University of Arkansas Gamma Sigma Delta Student Poster Competition, Fayetteville, AR.

Solorzano, C.*, and **A.L. Szalanski**. 2009. Phylogeography of honey bee populations in Turkey. 2009 University of Arkansas Gamma Sigma Delta Student Poster Competition, Fayetteville, AR.

2008 Solorzano, C.D.*, and **A.L. Szalanski**. 2008. Genetic variation of *Incisitermes* drywood termites. Annual meeting of the Arkansas Entomological Society, Fayetteville, AR.

Magnus, R.A.*, and **A.L. Szalanski**. 2008. Genetic variation of honey bees from south central United States. Annual meeting of the Arkansas Entomological Society, Fayetteville, AR.

Szalanski, A.L. and R.A. Magnus*. 2008. Genetic diversity of Africanized honey bees from Oklahoma and Arkansas. Annual meeting of the Arkansas Entomological Society, Fayetteville, AR.

Solorzano, C.D.*, and **A.L. Szalanski**. 2008. Detection of *Dirofilaria immitis* in *Aedes vexans* populations. Annual meeting of the SEB-ESA, Jacksonville, FL.

Mckern, J.A.*, and **A.L. Szalanski**. 2008. Survey of *Nosema* in honey bees from south central United States. Annual meeting of the SEB-ESA, Jacksonville, FL.

Trout, R.T., C.D. Steelman, and **A.L. Szalanski**. 2008. Population genetics and phylogeography of *Amblyomma* ticks. Annual meeting of the SEB-ESA, Jacksonville, FL.

2007 Solorzano, C.D.*, and **A.L. Szalanski**. 2007. Genetic diversity of *Aedes vexans* from Mesa County, Colorado. Annual meeting of the SEB-ESA, Knoxville, TN.

- McKern, J.A.* , and **A.L. Szalanski**. 2007. Genetic diversity of *Synanthedon pictipes* (Lepidoptera: Sesiidae). Annual meeting of the SEB-ESA, Knoxville, TN.
- Trout, R.T., C.D. Steelman, and **A.L. Szalanski**. 2007. Preliminary findings: *Ehrlichiosis chaffeensis* and *Borrelia burgdorferi* prevalence in ticks collected from pet animals. Annual meeting of the SEB-ESA, Knoxville, TN.
- 2006** McKern, J.A.* , and **A.L. Szalanski**. 2006. Molecular diagnostics used for monitoring Africanized honey bees in Arkansas. Annual meeting of the Arkansas Entomological Society, Fayetteville, AR.
- Szalanski, A.L.**, and J.A. McKern*. 2006. The termites of the Wedington section of the Ozark-St. Francis National Forest. Annual meeting of the Arkansas Entomological Society, Fayetteville, AR.
- Trout, R.T., C.D. Steelman, and **A.L. Szalanski**. 2006. Preliminary findings, ticks and their pathogens in Arkansas. Annual meeting of the Arkansas Entomological Society, Fayetteville, AR.
- McKern, J.A.* , and **A.L. Szalanski**. 2006. Genetic variation and molecular diagnostics of economically important species in the southeastern United States. Annual meeting of the southeastern branch, Entomological Society of America, Wilmington, NC. (*invited*).
- 2005** **Szalanski, A.L.**, C.B. Owens*, and J.A. Lewter*. 2005. Population genetics of *Aedes vexans*, a vector of West Nile virus. Presented at the annual meeting of the South Eastern Branch, Entomological Society of America, Tunica, MS.
- Owens, C.B.* , **A.L. Szalanski**, T. McKay, and C.D. Steelman. 2005. Molecular surveillance of *Campylobacter* spp. and *E. coli* O157:H7 carried by filth flies associated with poultry facilities. Presented at the annual meeting of the South Eastern Branch, Entomological Society of America, Tunica, MS. **[Best MS poster award]**
- Lewter, J.A.* , **A.L. Szalanski**, and R.L. Luttrell. 2005. Molecular diagnostics of the fall armyworm using PCR-RFLP. Presented at the annual meeting of the South Eastern Branch, Entomological Society of America, Tunica, MS.
- Austin, J.W.* , **A.L. Szalanski***, R.H. Scheffrahn, and M.T. Messenger. 2005. *Reticulitermes mississippiensis*, a new species of *Reticulitermes* subterranean termite from Mississippi. Presented at the annual meeting of the South Eastern Branch, Entomological Society of America, Tunica, MS.
- 2004** **Szalanski, A.L.**, J.W. Austin*, R.H. Scheffrahn, and M.T. Messenger. 2004. Genetic evidence for four new species of *Reticulitermes* termites in the United States. Annual Meeting Central States Entomological Society, Lincoln, NE.
- Luttrell, R.G., I. Ali, K.C. Allen, S.Y. Young III, **A.L. Szalanski**, K. Williams, G. Lorenz, C.D. Parker Jr., and C. Blanco. Resistance to Bt in Arkansas populations of cotton bollworm. Beltwide Cotton Conference, San Antonio, TX.
- Agudelo, P., R. Robbins, **A.L. Szalanski**, and J. Stewart. 2004. Genetic diversity of reniform nematode populations. Beltwide Cotton Conference, San Antonio, TX.
- Szalanski, A.L.** 2004. Applications of molecular genetic in urban entomology. Annual Meeting of the North Central Branch, Entomological Society of America, Kansas City, MO.
- 2003** Owens, C.B.* , R.G. Luttrell, and **A.L. Szalanski**. 2003. Population genetics of fall armyworm,

Spodoptera frugiperda, from Arkansas. Annual Meeting of the Southeastern Branch, Entomological Society of America, Baton Rouge, LA.

Austin, J.W.* , C.B. Owens* , and **A.L. Szalanski**. 2003. Population genetics and molecular diagnostics of *Reticulitermes* termites from Texas. Annual Meeting of the Southeastern Branch, Entomological Society of America, Baton Rouge, LA.

Wingard, S., F.M. Stephen, and **A.L. Szalanski**. 2003. Genetic relationship of the red oak borer, *Enaphalodes rufulus*, to other cerambycid beetles. Annual Meeting of the Southeastern Branch, Entomological Society of America, Baton Rouge, LA.

Lewter, J.A.* , T. Yamashita, and **A.L. Szalanski**. 2003. DNA sequence analysis of the freshwater mussel *Lampsilis hydiana* (Louisiana fatmucket) in select Ozark and Ouachita mountain streams of Arkansas. Annual Meeting of the Arkansas Academy of Sciences, Fayetteville, AR.

Stafne, E.T., **A.L. Szalanski**, and J.R. Clark. 2003. Nuclear ribosomal ITS region sequences for differentiation of *Rubus cultivars*. Annual Meeting of the Arkansas Academy of Sciences, Fayetteville, AR.

Wingard, S.W., **A. L. Szalanski**, and F. M. Stephen. 2003. Red oak borer populations at the molecular level. Presented at the 30th Annual East Texas Forest Entomology Seminar, Nacogdoches, TX.

Szalanski, A.L. 2003. Molecular diagnostics of economically important insects and nematodes. University of Missouri. (*invited*).

2002 **Szalanski, A.L.**, and J.W. Austin*. 2002. Molecular diagnostics of termites using PCR-RFLP. Annual Meeting of the Southeastern Branch, Entomological Society of America, Little Rock, AR.

2001 **Szalanski, A.L.** 2001. Genetic variation and molecular diagnostics of economically important nematodes. Washington State University (*invited*).

1999 Clark, B., D.B. Taylor, **A.L. Szalanski**, and T.O. Powers. 1999. Pathogenicity of entomopathogenic nematodes towards house fly maggots, *Musca domestica*, of different ages. Annual Meeting, Kansas (Central States) Entomological Society, Manhattan, KS.

Szalanski, A.L., and R.L. Roehrdanz. 1999. Genetic variability in populations of northern corn rootworm. Annual Meeting, Kansas (Central States) Entomological Society, Manhattan, KS.

Bischof, R., and **A.L. Szalanski**. 1999. Species Identification of North American Wildlife using PCR-RFLP of Cytochrome B. Annual Meeting, Northwest Association of Forensic Scientists, Cheyenne, WY.

Szalanski, A.L., R. Bischof, and M. Fritz. 1999. Population genetics of the endangered American burying beetle (Coleoptera: Silphidae) based on nuclear rDNA ITS1 sequence variation. Annual Meeting, Kansas (Central States) Entomological Society, Manhattan, KS.

1998 Roehrdanz, R., **A.L. Szalanski**, L. Chandler, and T. Powers. 1998. Different levels of genetic variability in western and northern corn rootworms. Annual Meeting of the North Central Branch of the Entomological Society of America, Sioux Falls, SD.

1996 **Szalanski, A.L.** 1996. Providing research and extension information via the world wide web. Annual Meeting, North Central Branch, Entomological Society of America, Omaha, NE (*invited*).

1994 **Szalanski, A.L.**, and D.B. Taylor. 1994. Molecular identification of screwworms (Diptera:

Calliphoridae). Annual Meeting, Kansas Entomological Society, Manhattan, KS.

Teaching and Advising

Course Development

I taught Entomology 109 Beekeeping at the University of Nebraska from 1993 to 1994. During Spring 2002, I developed the course, Applied Molecular Genetics. The course was first taught as ENTO 511V Special Topics in the fall of 2002. This course was approved by the Graduate School in the spring of 2003 as ENTO 5133 Applied Molecular Genetics. In 2006, I helped to develop a Forensic Entomology, ENTO 410V, that was co-taught with Dr. Dayton Steelman. A course in Medical/Veterinary Entomology, ENTO 410V, was co-taught with Dr. Dayton Steelman during spring 2007.

General Teaching Responsibilities

University of Arkansas			Enrollment									% of Responsibility
	Course Title	Course Number (credits)	02	03	04	05	06	07	08	09		
<i>Fall</i>	Applied Molecular Genetics	ENTO 511V (3)	8	N	N	N	N	N	N	N	100	
	Forensic Entomology	ENTO 410V (3)	N	N	N	N	7	N	N	N	40	
	Special Problems	ENTO 400 (1-3)	N	1	2	N	N	N	N	N	100	
	Thesis Research	ENTO 500 (1-3)	N	N	2	N	N	N	N	1	100	
	Dissertation Research	ENTO 600 (2-5)	1	N	1	N	N	N	N	N	100	
<i>Spring</i>	Applied Molecular Genetics	ENTO 5113 (3)	N	N	9	N	5	N	11	N	100	
	Special Problems	ENTO 400 (1-3)	N	N	N	1	1	N	N	N	100	
	Thesis Research	ENTO 500 (1-3)	N	N	N	2	N	N	N	1	100	
	Dissertation Research	ENTO 600 (2-5)	N	N	N	1	1	N	N	1	100	
	Forensic Entomology	ENTO 410V (3)	N	N	N	N	N	10	N	N	40	
<i>Summer</i>	Thesis Research	ENTO 500 (1-3)	N	2	1	N	N	N	N	1	100	
	Special Problems	ENTO 400 (3)	N	2	3	N	1	N	1	1	100	

N = not offered

M.S. Graduate Advisees: Major Professor

Jennifer A. Lewter

Thesis: Genetic variation and molecular diagnostics of the fall armyworm
 Starting Date: Aug 2003
 Graduation Date: May 2005
 Current Position: Instructor, Arkansas Tech University, Russellville, AR

Carrie B. Owens

Thesis: Molecular surveillance of bacterial pathogens carried by filth flies
 Starting Date: Aug 2003
 Graduation Date: May 2005
 Next Position: Entomologist, City of New Orleans Mosquito and Termite Control Board

Roxane Magnus

Thesis: Genetic diversity of honey bees from southern and central United States
 Starting Date: Fall 2008
 Graduation Date: Spring 2010 (anticipated)

Justin Whitaker

Thesis: Molecular detection and occurrence of the honey bee pathogen *Nosema ceranae* in the United States
 Starting Date: Spring 2009
 Graduation Date: Fall 2010 (anticipated)

Ph.D. Graduate Advisees: Major Professor

James W. Austin

Dissertation: Genetic variation and distribution of *Reticulitermes* termites in south central United States.
 Starting Date: Jan 2003
 Graduation Date: May 2005
 Current Position: Senior Research Scientist II, Global Research Insecticides, BASF, Raleigh, NC

Jacquelyn McKern

Dissertation: Molecular systematics, population genetics and molecular diagnostics of clearwing moths (Lepidoptera: Sesiidae)
 Starting Date: Aug 2005
 Graduation Date: May 2008
 Next Position: Field Research Scientist, DowAgrosceices, Indianapolis, IN

Cesar Solorzano

Dissertation: Population genetics of *Aedes vexans* and its role in vectoring dog heartworm
 Starting Date: April 2006
 Graduation Date: July 2009
 Next Position: Postdoctoral Research Assoc., Oklahoma State University, Stillwater, OK

Amber Tripodi

Dissertation: Population genetics of bumble bees in central United States
 Starting Date: May 2010

Graduation Date: May 2014 (expected)
Next Position:

Ph.D. Graduate Advisees: Co-Advisor

Rebecca Trout

Dissertation: Determination of tick species, genetic diversity, host associations, and pathogen relationships in Arkansas.
Starting Date: Summer 2006
Graduation Date: Spring 2010

M.S. Graduate Advisory Committees: Member

Brian Clark, Plant Pathology (University of Nebraska)

Graduation Date: Spring 1999

Toby Palmer, Entomology

Graduation Date: Spring 2004

Stephen Wingard, Entomology

Graduation Date: withdrew

Jacquelyn McKern, Entomology

Graduate Date: Summer 2005

Sheri McElroy, Entomology

Graduation Date: Spring 2005

Brent Kelly, Entomology

Graduation Date: Spring 2006

Lyndsay Knoblock, Entomology

Graduation Date: Spring 2006

Alex Doukopoulos, Crop science

Graduation Date: Fall 2006

Ph.D. Graduate Advisory Committees: Member

Chang-Hwan Bae, Plant Science

Graduation Date: Spring 2007

Lora Lindley, Biology

Graduation Date: Summer 2010

Robert Brown, Biology

Graduation Date: Spring 2010

Katherine Winsett, Biology

Graduate Date: Fall 2010 (anticipated)

Narinderpal Singh, Entomology

Graduate Date: Fall 2010 (anticipated)

Marco Cordero Lopez

Graduation Date: Fall 2012 (anticipated)

Graduate Student Awards, Fellowships and Scholarships

2010 Amber Tripodi, University of Arkansas, Doctoral Academy Fellowship, 2010-2014 (\$10,000 per year)
2009 Roxane Magnus, Lloyd and Ruby Warren Scholarship, Department of Entomology, University of Arkansas (\$750).
2008 Roxane Magnus, 2nd place poster presentation, honey bee biology section, Annual Meeting of the Entomological Society of America (\$75).
Cesar Solorzano, John S. Heiss Fellowship, Department of Entomology, University of Arkansas. (\$500).
Jackie McKern, Sigma Xi Aubrey E. Harvey Award for the most outstanding graduate

- student research at the University of Arkansas (\$400).
 Jackie McKern, Bumpers Scholar Medal for the best PhD student in the Dale Bumpers College of Agriculture, Food and Life Sciences, University of Arkansas (\$1000).
- 2007** Jackie McKern, Second place section Fa student poster competition, Annual Meeting of the Entomological Society of America. (\$75).
 Jackie McKern, Dwight Isely PhD Award for outstanding academics, research and service in Entomology, Department of Entomology, University of Arkansas. (\$600).
- 2006** Jackie McKern, Lloyd and Ruby Warren Scholarship, Department of Entomology, University of Arkansas (\$750).
 James W. Austin, Snodgrass Memorial Research Award, Entomological Society of America Foundation.
- 2005** James W. Austin, Bumpers Scholar Medal for the best PhD student in the Dale Bumpers College of Agriculture, Food and Life Sciences, University of Arkansas (\$1000).
 James W. Austin, John Henry Comstock Graduate Student, Entomological Society of America (\$100 and trip to ESA annual meeting).
 Carrie B. Owens. 1st place M.S. student poster, Annual Meeting of the Southeastern Branch, Entomological Society of America (\$200).
- 2004** James W. Austin, Pi Chi Omega urban entomology scholarship (\$1500).
 James W. Austin, 2004 John S. Heiss Fellowship, Department of Entomology, University of Arkansas. (\$500).
 James W. Austin, Dwight Isely PhD Award for outstanding academics, research and service in Entomology, Department of Entomology, University of Arkansas. (\$600).
 Carrie B. Owens, 1st place M.S. student poster, Cell and Molecular Biology (CEMB) Annual Symposium, University of Arkansas. (\$250).
- 2003** James W. Austin, Entomological Society of America, DowAgrosciences Larry Larson Graduate Student Leadership Award for Applied Entomology. (\$2000).
 Jennifer A. Lewter, 2nd place poster Annual Meeting Arkansas Academy of Sciences (\$50).
 Carrie B. Owens, 1st place poster, medical/veterinary entomology, Annual Meeting Entomological Society of America. (\$100).

Professional and University Service Activity

Professional Society Memberships

Entomological Society of America, American Association of Professional Apiculturists

Peer Reviewer of Journal Manuscripts

2000-present Journal of Economic Entomology, Journal of Medical Entomology, Journal of the Kansas Entomological Society, Annals of the Entomological Society of America, Environmental Entomology, DNA Sequence, Bulletin of Insectology, Insect Molecular Biology, Insectes Sociaux, Florida Entomologist, Molecular Ecology, Helminthologia, Molecular Phylogenetics and Evolution, Molecular Systematics, Diversity and Distributions, Journal of Nematology, Journal of Chemical Ecology, Nematropica, Zootaxa, Nematropica, Biological Invasions, New Zealand Journal of Zoology, Neotropical Entomology

Miscellaneous University Service

	<i>Committee Title</i>	<i>Yr</i>	<i>Member</i>	<i>Chair</i>
<i>Departmental Committees</i>	Graduate Admissions Committee	05-present	X	X
	Department Head Search Committee	04-04	X	
	Social and Activities Committee	03-05	X	
	Awards and Scholarship Committee	03-07	X	X
	Research Committee	02-05	X	X
	Outreach Committee	01-02		X
<i>College</i>	Scholarship Committee	05-present	X	

<i>Committees</i>	Faculty Council	03-05	X
	Computer Committee	03-04	X
	Prospective Students Relations Committee	02-03	X

Professional Society Committees

2004-present	Member Student Awards committee, Southeastern Branch, Entomological Society of America
2002-2007	Member WWW committee, Southeastern Branch, Entomological Society of America
2001-2003	Member Regulatory Committee, Society of Nematologists
2000-2001	Member Journal of Nematology online committee, Society of Nematologists
1997-2001	Member, Chair and Vice-Chair, Computers in Nematology committee, Society of Nematologists

Professional Research Committees

2002-2006	University of Arkansas Representative to Southern Regional S-1005 Committee, Sources, Dispersal and Management of Stable Flies on Grazing Beef and Dairy Cattle
2002-2006	University of Arkansas Representative to Southern Regional S-1006 Committee, Insect and Poultry Manure Management: Elements Relative to Food Safety and Nuisance Issues

Professional Society Service

2001-2007	Coach, University of Arkansas, Dept. Entomology, Linnaean Games Team (team won the 2007 SEB-ESA Linnaean games held at Knoxville, TN, and the 2007 national Entomological Society of America Linnaean games held at San Diego, CA)
2004-current	Member, Thomas Say Publications Editorial Board, Entomological Society of America
2009-current	Editor, Annals of the Entomological Society of America

National Service

2008-present	Providing molecular diagnostics of Africanized honey bees, for the Utah Department of Agriculture and Food, University of Missouri and the Tennessee Department of Agriculture. Providing <i>Nosema ceranae</i> molecular diagnostics for the New York Department of Agriculture and Markets.
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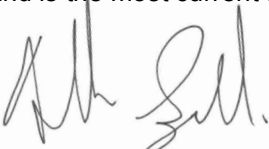
State Service

2004-present	Providing molecular diagnostics of suspected Africanized honey bees, <i>Nosema apis</i> and <i>N. ceranae</i> for the Arkansas Plant Board.
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Community Outreach

2002-present	Providing advise on urban insects to homeowners in Northwest Arkansas.
2004-present	Faculty representative to University of Arkansas, Entomology Club.
2008-present	Graduate students provide honey bee research updates to the NW Arkansas Beekeepers Association

The undersigned verifies that this copy of the Curriculum Vitae consisting of a total of 27 pages all dated and is the most current and correct copy of this document as of the date of the signature affixed below:

	<u>05/26/10</u>	<u>Allen L. Szalanski</u>
Signature	Date	Name