

VITAE

Name: May Roberta Berenbaum

Date of birth: July 22, 1953

Place of birth: Trenton, New Jersey

Marital status: Married, Richard J. Leskosky; Daughter, Hannah A. Leskosky

Positions held

1980-1985 Assistant Professor, Department of Entomology, University of Illinois at Urbana-Champaign
1985-1990 Associate Professor, Department of Entomology, UIUC
1990-present Professor, Department of Entomology; joint appointment Department of Plant Biology; Affiliate, Program in Ecology, Evolution and Conservation Biology; Affiliate, Environmental Toxicology Training Program; Affiliate, Illinois Natural History Survey
1992-present Head, Department of Entomology, UIUC

Education

B.S. Yale University 1975 (summa cum laude, honors in biology)
Ph.D. Cornell University 1980 (Ecology and Evolutionary Biology)

Scholarships and Fellowships

1971-75 National Merit Scholarship, Yale University
1973 National Science Foundation Undergraduate Research Participation Grant, Summer, Duke University
1975-78 National Science Foundation Predoctoral Fellowship, Cornell University
1980 Summer Fellowship, Cornell University

Awards and Honors

1979 Sigma Delta Epsilon Graduate Women in Science Award for Excellence (shared first prize)
1980 Sigma Xi Cornell University Competition for Popular Science Writing (first prize)
1981 Induction into Sigma Xi
1981S, 1982S, List of Excellent Teachers (S=Spring, F=Fall semesters) UIUC
1984S, 1984F,
1985S, 1986S,
1986F, 1989S,
1989F, 1990S,
1990F, 1991S,
1992S, 1992F,
1993S, 1994F,
1995S, 1996S,
1997S, 1999S,
2000S, 2000F
2001S, 2003S
2004F (2 courses)
2006F, 2007S
2008F (2 courses),
2010S, 2010F
2011S (2 courses)
2012F, F2013
2014F
1984-1989 Presidential Young Investigators' Award - (National Science Foundation) (\$125,000 base award)

- 1985 Outstanding Short Program Award, Radio Station WEFT-FM 90.1, for "Those Amazing Insects" radio series
- 1985-1988 University Scholars, UIUC (\$15,000 unrestricted award)
- 1987 Beckman Associate, Center for Advanced Study, UIUC
John S. Guggenheim Fellowship (\$9,000)
- 1988 George Mercer Award, Ecological Society of America (outstanding paper by a young ecologist)
- 1991 Elected Fellow by American Association for the Advancement of Science
- 1993-1998 Named Jubilee Professor, College of Liberal Arts and Sciences, UIUC
- 1994 Elected Member, National Academy of Sciences
Founder's Memorial Award, Entomological Association of America
- 1996 UIUC Mothers Association Medallion of Honor
Elected Member, Center for Advanced Study, UIUC
Distinguished Teaching Award, North Central Branch, Entomological Society of America
Fellow, American Academy of Arts and Sciences
Fellow, American Philosophical Society
Named Swanlund Professor, UIUC
- 1997 Science Book of the Year--"Bugs in the System", Bild der Wissenschaft
- 1999 E. O. Wilson Naturalist Award, American Society of Naturalists
- 2000 Silverstein-Simeone Award, International Society for Chemical Ecology
University of Illinois Chancellor's Award for Distinguished Public Service
Election to Phi Beta Kappa (honorary)
- 2001 National Associate, National Academies and National Research Council
- 2002 Fellow, Entomological Society of America
- 2004 Weizmann Institute Women and Science Award
- 2005 Robert H. MacArthur Award, Ecological Society of America
- 2006 Entomological Society of America Distinguished Teaching Award
- 2008 Royal Entomological Society "Best Paper 2006-2007" award for Claudianos et al (Insect Molecular Biology 15, 615-636)
- 2009 Pollinator Advocate, North American Pollinator Protection Campaign
- 2010 American Association for the Advancement of Science Award for Public Understanding of Science and Technology
- 2011 Distinguished Undergraduate Teaching Award, College of Liberal Arts and Sciences, UIUC
- 2011 Tyler Prize for Environmental Achievement
- 2012 Honorary Fellow, Royal Entomological Society
- 2012 E.O. Wilson Biodiversity Technology Pioneer Award, American Computer Museum, Bozeman, MT
- 2012 Fellow, Ecological Society of America
- 2014 Entomological Foundation Medal of Honor
- 2014 2012 National Medal of Science
- 2015 John P. McGovern Science and Society Award, Sigma Xi

Grant Support

Internal

- 1980 "Relationship between plant chemistry and insect herbivory in the Umbelliferae," UIUC Research Board (\$10,000).
- 1981 "Adaptation to tannins by swallowtail butterflies," UIUC Biomedical Research Council (\$3,000).
- 1982 "*Conium maculatum* alkaloids: potential barriers to insect herbivory," UIUC Research Board (\$1,077).
- 1983 "Photoreactions of furanocoumarins with cell membrane lipids," UIUC Research Board (with R. Larson, Inst. Env. Studies) (\$5,000).
- 1984 "Phototoxicity and detoxification of furanoquinoline alkaloids in the swallowtails (Lepidoptera: Papilionidae)," UIUC Research Board (\$8,000).
- 1987 "Chemical ecology of tree of heaven (*Ailanthus altissima*) and the ailanthus webworm (*Atteva punctella*) (with D.S. Seigler, Dept. Plant Biology), UIUC Research Board (\$3,532).

- 1991 Equipment award to supplement USDA project "Effects of ozone depletion on Citrus and its associated herbivores and pathogens "(with R. Tuveson and R. Larson) UIUC Research Board (\$4,000).
- 1994 "Cytochrome P450s in plant/insect interactions" (with M. Schuler), UIUC Research Board (\$10,000).
- 1995 "Modelling plant/herbivore interactions" (S. Portnoy, PI), UIUC Research Board (\$25,000).
- 1997-1998 "Phylogenomics: a new initiative to explore the fundamentals of life," UIUC Critical Research Initiative, (one of 12 co-PIs: Harris Lewin, PI) (\$200,000).
- 1998-1999 "Olfactory receptors of insects," UIUC Critical Research Initiative, (one of 7 co-PIs: H. Robertson, PI) (\$200,000).
- 1999-2001 "Functional consequences of herbivory for plant production," UIUC Critical Research Initiative, (one of 5 co-PIs; E. Delucia, PI) (\$169,156).
- 2001-2002 Invasive insects in the Midwest, University of Illinois at Urbana-Champaign / Illinois State Scientific Surveys Workshop to Develop Joint Research Projects Application for Funds; (R. Wiedenmann, co-PI) (\$4,000).
- 2001 Evolution and function of *CYP6B* genes within the *Papilio glaucus* group, UIUC Research Board, (M. Schuler co-PI) (\$15,138).
- 2006 "Cytochrome P450s in *Apis mellifera* (honey bee), UIUC Research Board, \$5000
- 2009 Beespotter in the Classroom and Community, UIUC Community Informatics Initiative, \$6000
- 2010 UIUC Public Engagement—Pollinarium Online (\$20,000); Infrastructure (\$10,000)
- 2010 UIUC Community Informatics: Beespotter (\$10,000)

External

- 1983-1986 "Variation in furanocoumarin chemistry and resistance to insects in *Pastinaca sativa* (Umbelliferae)," National Science Foundation (\$110,000).
- 1983-1985 "Insecticidal and synergistic properties of secondary compounds in *Pastinaca sativa*, U.S.D.A. Competitive Grants Program (\$38,900).
- 1984-1989 Presidential Young Investigator's, National Science Foundation, Award (\$125,000 plus \$87,000 matching funds).
- 1984-1985 "Natural products as synergists of synthetic organic insecticides," Exxon Education Foundation (\$10,000, with \$10,000 matching funds from N.S.F.).
- 1986-1988 "Parsnip webworms as selective agents on furanocoumarin chemistry in wild parsnips," National Science Foundation (with A. Zangerl) (\$111,025).
- 1987-1989 "Phototoxic plant defensive compounds and their modes of action," USDA Competitive Grants Program (with R. Larson and R. Tuveson) (\$100,000).
- 1988-1991 "Furanocoumarins as selective agents on parsnip webworm physiology and behavior," National Science Foundation Ecology Program (with A. Zangerl) (\$210,000).
- 1989-1992 "Effects of ozone loss on *Citrus* and its associated herbivores and pathogens" USDA Competitive Grants Program (with R. Larson and R. Tuveson) (\$200,000).
- 1990-1993 "Characterization and cloning of cytochrome P-450 monooxygenase genes involved in adaptation of specialist insects to their host plants" Biotechnology Research and Development Corp. (with M. Schuler) (\$392,400).
- 1991 Research Experience for Undergraduates. National Science Foundation (supplement) (\$10,000).
- 1992-1995 "Cost of resistance in parsnip webworms and wild parsnips." National Science Foundation (w/ A. Zangerl) (\$287,440).
- 1992 Research Experience for Undergraduates. National Science Foundation (supplement) (\$5,000).
- 1993-1996 "Regulation of xanthotoxin-metabolic cytochrome P450 genes in *Papilio* species" USDA (with M. Schuler) (\$200,000).
- 1994 Research Experience for Undergraduates, National Science Foundation (Supplement) "Effects of herbivory on parsnip/pollinator interactions" (\$4,145).
- 1995-1996 "Parsnip webworms as selective agents on primary metabolites of wild parsnips," (with A. Zangerl), National Science Foundation (\$97,240).

- 1995-1996 "Antioxidant content of soybean honey" (with Gene Robinson and Laurien Unnevehr), State of Illinois Value-Added Research Program (\$30,000).
- 1996-1999 "Transcriptional regulatory cascades mediating induction of insect CYP6B genes" (M. Schuler PI) USDA Entomology (\$180,000).
- 1996-1999 "Parsnip webworms as selective agents on primary metabolites of wild parsnip" (with A. Zangerl), National Science Foundation Ecology (\$260,000).
- 1996-1999 "Functional significance of variation in CYP6B4 in *Papilio glaucus*" (w/ M. Schuler) National Science Foundation Ecological and Evolutionary Physiology (\$160,000).
- 1996-1997 "Honey and enzymatic browning of fruits and vegetables," (w/ G. Robinson and N. Engeseth) (\$18,000).
- 1998-2000 "Functional genomics," Keck Foundation, (one of 12 co-PIs: H. Lewin, PI) (\$1,250,000).
- 1999-2002 "Chemical phenotype matching in wild parsnips and parsnip webworms: causes and consequences" National Science Foundation Ecology Program (w/A. Zangerl) (\$305,340).
- 1999-2002 "Substrate specificity and inducibility of CYP6B8 from *Helicoverpa zea*" USDA NRICGP Entomology Program, (w/ M. A. Schuler) (\$145,715).
- 2000 Proposal for Innovation Funds, CRGAM/PAS, Chemical Ecology Workshop: Current Status and Future Needs. NPL sponsors: Mary Purcell-Miramontes, Steve Yaninek, Mike O'Neill, and Edward Kaleikau (\$10,000).
- 1999-2000 "Isolation and characterization of natural antioxidants from honeys of different floral sources," (N. Engeseth PI; M. Berenbaum co-PI), National Honey Board (\$69,340).
- 2000 Sloan Foundation, Chemical Ecology Workshop (\$3,000).
- 2001-2004 USDA NRI Entomology, Molecular definition of P450s mediating multiple resistances in *Helicoverpa zea* (M. A. Schuler PI, MRB co-PI) (\$250,000).
- 2002-2005 National Science Foundation Ecological and Evolutionary Physiology, "Evolution of CYP6B genes associated with furanocoumarin metabolism in the *Papilio glaucus* group" (\$250,000).
- 2002-2005 National Science Foundation Ecology Program, "Phenotype matching and trophic complexity in the wild parsnip-parsnip webworm interaction," (w/ A. Zangerl) (\$300,000).
- 2002-2005 National Science Foundation, Ecological and Evolutionary Physiology, "Herbivory and photosynthesis under elevated atmospheric CO₂," (E. DeLucia PI; one of 4 co-P.I.s) (\$585,000).
- 2002-2005 USDA-NRI, Entomology Program, Effects of CO₂ and ozone on herbivory in soybeans (E. DeLucia P.I. one of 4 co-P.I.s) (\$200,000).
- 2003-2006 National Science Foundation, Ecological and Evolutionary Physiology, "Tritrophic effects of furanocoumarins on the parasitoid *Copidosoma sosares*," NSF EEP (P. Ode PI, M. Berenbaum co-PI), (\$330,000) (MRB share \$104,140).
- 2003-2006 U.S. Department of Education, European Community-United States Cooperative Program, "SUSPROT: Sustainable Crop Protection in Agriculture"
Partners: Pennsylvania State University, University of California at Davis, CA; University of Illinois at Urbana-Champaign, IL; Gembloux Agricultural University, BE; Universität Hohenheim, DE; Wageningen University and Research Center, NL; Institut National Agronomique Paris-Grignon, FR (Gary Felton, Pennsylvania State University, PI) (\$204,000).
- 2004-2007 US Department of Energy, Genomic Regulation of Ecosystem Responses to Elements of Global Change (PI's alphabetically: Berenbaum, Bohnert, DeLucia, Fitzhugh, Long, Ort). \$2,984,356
- 2006 California State Beekeepers' Association "Novel approaches to managing fluvalinate resistance in *Varroa destructor* through specific inhibitors of insecticide-metabolizing enzymes," \$10,900
- 2006-2007 NSF IBN—SGER: Role of cytochrome P450 in chemosensory mediation of oviposition in *Papilio polyxenes*," \$97,418
- 2006-2007 NSF DEB OPUS: From the Tangled Bank to Genbank: Multi-scale Approaches to Insect-plant Interactions, \$108,000
- 2006-2008 NSF DEB—SGER: A unique opportunity to document chemical coevolution following reassociation between introduced weeds and a specialist moth, \$17838
- 2007 USDA Critical Research Initiative, Colony Collapse Disorder (S. Ratcliffe PI, w/ Gene Robinson), \$60,000

- 2007-2010, Environmental Impact and Sustainability of Feedstock Production Energy Biosciences Institute, E. DeLucia PI (\$300,900 to MB, one of 4 co-PIs)
- 2007-2010 USDA NRI: Toxicogenomics of *Apis mellifera* (w/ M.A. Schuler), \$340,000
- 2008-2010 NSF DEB: Consequences of selection by a specialized florivore on chemical defense and attraction in *Pastinaca sativa* (with A. Zangerl), \$348,071
- 2008-2010 Energy Biosciences Institute (PI E. DeLucia, Berenbaum portion \$100,300 annually)
- 2009-2010 Almond Board of California, Identifying cytochrome P450 detoxification enzymes in navel orangeworm responsible for insecticide and hostplant chemicals, \$12,000
- 2011-2015 USDA AFRI: Regulation of detoxification of natural and synthetic toxins in *Apis mellifera* (with M.A. Schuler), \$451,014
- 2011-2012 California Pistachio Research Board, "Identifying enzymes in navel orangeworm (NOW) responsible for detoxifying insecticides and hostplant chemicals," \$20,000
- 2011-2014 Genomics of navel orangeworm *Amyelois transitella*. California Almond Board, \$41,000 (with Hugh Robertson and Joel Siegel)
- 2011 Tyler Prize (\$200,000)
- 2012 California Pistachio Research Board, "Determining the route of detoxification of insecticides used to control navel orangeworms in tree nuts," \$35,000
- 2013 Pistachio Board of California, "Identifying enzymes in navel orangeworm (NOW) responsible for detoxifying insecticides and hostplant chemicals," \$35,000
- 2014-2015 Almond Board of California, "Detoxification of insecticide combinations by navel orangeworms resistant to pyrethroid insecticides," \$35,000
- 2014-2015 Pistachio Board of California, "Determining the route of detoxification of insecticides used to control navel orangeworm in tree nuts," \$35,000
- 2014 USDA AFRI Conference Grant: 30th meeting of the International Society of Chemical Ecology July 2014, \$12,000
- 2015-2016 California Pistachio Board, Detoxification of insecticides individually and in combinations in navel orangeworm populations resistant to pyrethroid insecticides, \$45,000
- 2015-2018 National Science Foundation DEB, "Genetic parallelism and allele reuse in herbivore-plant chemical phenotype matching," \$699,999 (with M.A. Schuler)

Invited Symposia

- 1980 Discussant, Gordon Research Conference, "Plant-herbivore interactions," Santa Barbara, CA.
- 1981 Symposium, "Plant-Animal Interactions: Herbivory and dispersal," AIBS meeting, Bloomington IN.
- 1983 Speaker, Gordon Research Conference, "Plant-Herbivore Interactions," Ventura, CA; Speaker, Sixth Annual Workshop--Biological Systems Simulation Group, UIUC; Speaker, Midwest Population Biology Conference, UIUC, IL.
- 1984 Symposium, "The biochemical interactions of plants with other organisms," Phytochemical Society of America, Boston, MA; Symposium "Indirect effects of plant allelochemicals on insect herbivores," XVII International Congress of Entomology, Hamburg, Germany; Symposium, "Insect-plant interaction: mechanisms promoting evolutionary stability," Eastern Branch Meeting, Entomological Society of America, Hershey, PA.
- 1985 Symposium, "Reductionism and holism in biology," University of Ottawa, Ontario, Canada; Symposium "Chemical mediation of coevolution," AIBS, Gainesville, FL; Symposium, "Allelochemicals: role in agriculture forestry and ecology," American Chemical Society, Chicago, IL.
- 1986 Symposium, "Light Activated Pesticides," American Chemical Society, Anaheim, CA; Speaker, California Dept. of Food and Agriculture Entomology Conference, Sacramento, CA; Symposium, "Plant stress-insect interactions," Entomological Society of America, Reno, NV.
- 1987 Symposium, "Phytochemical aspects of coevolution between plants and animals," International Botanical Congress, Berlin, Fed. Rep. Germany; Symposium, "Public Attitudes Toward Insects"; Symposium, "Quantitative genetic of plant-insect interactions"; Symposium honoring R.L. Metcalf, Entomological Society of America, Boston, MA.
- 1988 Symposium, "Pesticides of plant origin," Third Chemical Congress of North America, Toronto, Ontario, Canada; Symposium, "Genetics, evolution and coordination of insect life cycles," and ,

- "Phytochemical contributions to insect-plant relations"; XVIII International Congress of Entomology, Vancouver, BC, Canada; Symposium, Speaker, Midwest Population Biology Conference, University of Wisconsin, Madison, WI
- 1989 Symposium, North Central Branch Entomological Society of America, Indianapolis, IN; Symposium "Molecular insect science," Center for Insect Science, University of Arizona, Tucson, AZ (paper delivered by Judith Willis); Seventh International Insect-plants symposium, Budapest, Hungary; Invited Speaker, International Society of Chemical Ecology, Gothenburg, Sweden; Symposium "Mechanisms of insect detoxication," Ecological Society of America, Toronto, Ontario, Canada (paper delivered by A. Zangerl); Symposium, Chemical Aspects of Plant-microorganism, Plant- Insect and Plant-Plant Interactions," International Chemical Congress of Pacific Basin Societies, Honolulu, HI; Symposium, "Biochemical strategies of offense and defense of the plant-insect interface," Entomological Society of America, San Antonio, TX.
- 1990 Symposium, "Naturally occurring photosensitizers: their role in nature and in human life," Am. Soc. Photobiology, Vancouver, B.C., Canada (paper delivered by R. Larson); Symposium "Life history evolution: theories and tests," and Symposium, Biology of Papilionidae, INTECOL Meetings, Yokohama, Japan (papers delivered by H. Dingle and R. Lederhouse); Conference, "The Future of Research Libraries," American Academy of Arts and Sciences, Chicago, IL.
- 1991 Plenary speaker, Midwest Population Biology Conference, DeKalb, IL, Oct. 25; Symposium "The insect gut," Entomological Society of America, Reno, NV; speaker, Plenary Session, E.S.A., Reno, NV.
- 1992 Plenary speaker Gordon Research Conference, "Plant-Herbivore Interactions," Oxnard, CA; Midwest Cytochrome P450 Symposium, "Genes to Heme," Purdue University, W. Lafayette, IN; Formal teaching symposium, Entomological Society of America, Baltimore, MD.
- 1993 Symposium, "Environmental chemistry and chemical ecology," Institute for Environmental Studies, UIUC; Symposia, "Host-parasite evolution" and "Oxidative stress and antioxidant mechanisms," Entomological Society of America, Indianapolis, IN.
- 1994 Symposium, "Chemical Ecology," National Academy of Sciences, Washington, DC; Symposium, "Chemical Sourcing in the Tropics," Symposium, "Entomology in the Land Grant University System," Entomological Society of America, Dallas, TX: Founder's Memorial Award Address.
- 1995 Speaker, Plant-Herbivore Interactions Gordon Conference, Oxnard, CA; Plenary speaker, Charles Valentine Riley Centennial, Dept. Entomology, University of Missouri—Columbia; Vice Presidential Symposium, "Evolution of specialization," American Society of Naturalists/Society for the Study of Evolution, Montreal, Quebec; Symposium, "Phytochemical redundancy," Phytochemical Society of North America, Saulte Ste. Marie, Ontario; Symposium, "Genes to heme," Midwest Cytochrome P450 Symposium, Purdue University, West Lafayette, IN, Sept. 15; Speaker, Third International Symposium on Cytochrome P450 Biodiversity, Woods Hole, MA, Oct. 8-12.
- 1996 "Six-legged chemists," Center for Advanced Study Lecture, University of Illinois at Urbana-Champaign, IL, Sept. 18; Plenary speaker, Association of Zoo and Aquarium Docents Annual Meeting, St. Louis, MO, Oct. 5; Tex Frazier Lecturer, American Society of Horticultural Science Annual Meeting, Lexington, KY, Oct. 6 ("Plant secondary metabolites: who, what, when, where, and why"); Informal conference on insect nutrition, Entomological Society of America, Louisville, KY.
- 1997 Symposium, "Good Ideas Gone Bad—Fakes, Frauds and Mistakes in Pest Control," Teaching Conference, Entomological Society of America; R.H. Nelson, Dec. 15-16.
- 1998 Third Gordon Research Conference on Carotenoids, Ventura, CA, Jan. 25-29; Gordon Research Conference on Natural Products, Henniker, NH, July 6; Plenary speaker, "Chemical ecology in bioprospecting," American Society for Pharmacognosy, Orlando, FL, July 20; Sean Duffey Memorial Symposium, Entomological Society of America, Las Vegas, NV, Nov. 10
- 1999 Departmental Centenary Lecturer, Dept. Entomology, Texas A & M University, College Station, TX, March 4; Life history phylogenetics, Section B Symposium, Entomological Society of America, Atlanta, GA, Dec. 12; Plenary speaker, Australian Entomological Congress, Canberra, Australia, Oct. 1; Plenary speaker, Coevolution Symposium, Missouri Botanical Garden, St.

- Louis, MO, Oct. 9; Symposium, "Intersection of phylogenetics, behavior and life history evolution," Entomological Society of America, Dec. 14.
- 2000 Sondheimer-Simeone Lecturer, International Society for Chemical Ecology, Pocos de Caldas, Brazil, Aug. 11; History of Entomology Symposium, Entomological Society of America, Dec. 6, (prepared text presented by Carol Sheppard due to schedule conflict).
- 2001 Ralph Mumma Symposium, American Chemical Society, Chicago, IL, Aug. 27. ; Plenary address, Entomological Society of Canada/JAM Entomological Society of Ontario, Niagara Falls, Ontario, October 22, 2001
- 2002 Plenary lecture, Nalbandov Symposium: A Celebration of Biocomplexity and Biodiversity, co-organizer with J. Cheeseman and C. Shearer, University of Illinois, Urbana, IL, Feb. 9; Plenary Session, Entomological Society of America, "A golden anniversary—fifty years of plant/insect interactions at the Entomological Society of America," Ft. Lauderdale, FL, Nov. 17.
- 2003 Buggy Love: A Celebration of the Life and Work of Thomas Eisner, New York University Institute for the Humanities, New York, NY, Nov. 20
- 2004 Distinguished Speaker, Life Sciences Week, University of Missouri, Columbia, MO, April 4-9, 2004; Symposium, The Teaching of Evolution, Society for the Study of Evolution, Boulder, Colorado, June 28, 2004; Plenary Session—Public Lecture, International Congress of Entomology, Brisbane, Australia (plus 2 symposium talks); 2004 Keynote address, "Spatial data and ecological inquiry," National meeting, Partnerships for Enhancing Expertise in Taxonomy. Allerton Park, Monticello, IL, Sept. 22, 2004; Musquitos Verry Troublesom'—The Insects of Lewis and Clark," Illinois Mosquito and Vector Control Association, November 18, 2004, Champaign, IL
- 2005 "Understanding complex systems" Symposium, "Complexity in a cornfield," University of Illinois at Urbana-Champaign, May 16, 2005; International Society of Chemical Ecology, Plant-insect symposium, July 27, 2005, Washington, DC; Robert MacArthur Plenary Lecture, Ecological Society of America/INTECOL meeting, Montreal, Quebec, Canada, August 8, 2005; Keynote address, "Pollinators, politics, and policies," North American Pollinator Protection Campaign annual meeting, National Zoo, Washington DC October 19, 2005 Department of Entomology Centennial Celebration, University of Arkansas, Fayetteville, Arkansas September 29, 2005; Keynote address, "Pollinators, politics, and policies," North American Pollinator Protection Campaign annual meeting, National Zoo, Washington DC October 19, 2005; Glaser Symposium series, Department of Biological Sciences, Florida International University, Miami, FL December 12-16
- 2006 Max Planck Institute of Chemical Ecology, Biannual Symposium, Plenary Speaker, March 20, 2006 (plenary speaker); Royal Entomological Society, London England, Annual meeting banquet speaker May 3; Insect Molecular Science symposium, Center for Insect Science, University of Arizona, Tucson, AZ, May 22, 2006; Plenary welcome address, International Union for the Study of Social Insects, Washington DC, July 30, 2006 Entomological Society of America national meeting Indianapolis, IN December 2006: symposia "History of Women in Entomology," and "Entomology Departments in the 20th and 21st Centuries"
- 2007 Gordon Conference on Plant-Herbivore Interactions, Ventura CA, February 18-24, evening speaker; Keynote speaker, University of Illinois Springfield Biology Symposium, April 20, 2007; Plenary, Society for Molecular Biology and Evolution, Halifax, Nova Scotia, June 27, 2007; Evolution of plant-insect interactions, International Society for Chemical Ecology, Jena, Germany, July 26. 2007: Yale University Charles Remington Memorial Symposium, November 9-10, 2007; American Academy November 10, 2007; Ent Soc Amer December 9-12)
- 2008 International Congress of Entomology, Durban South Africa July 6-12, 2008 (3 symposia scheduled): Entomological Society of America November 16-19, 2008, Reno, Nevada, IPMIS symposium, USDA NRI symposium, Darwin Symposium ("There Must Be A Moth")
- 2009 USDA Agricultural Outlook Conference Pollination Symposium, Arlington VA February 27, 2009; "Darwin's *Parsnips*," Darwin Lecture, Columbia University, March 24, 2009; "Soylent Green + 25" AIBS annual meeting, May 19, 2009; XXII Italian Congress of Entomology, Ancona, Italy, June 15, 2009; Technologically modified Environment - Environmentally modified Technology National Academy of Sciences

- Karlsruhe Institute of Technology (KIT) October 12 – 16, 2009; Feeny Fling, Retirement Symposium for Paul Feeny Cornell University Ithaca NY October 17, 2009, Ecological Genomics Kansas City, MO November 13-15; Colleagues, Science and Ideas: Investigating Chemicals, Signals, and Interactions", Entomological Society of America, December 12-15, 2009, Indianapolis, IN
- 2010 Keynote speaker, Gordon Conference on Plant-Herbivore Interactions, Galveston TX, Feb.21, 2010; Keynote, AFRI USDA Workshop, Washington DC (March 23, 2010); Keynote, Michigan Entomological Society, June 26, 2010; Keynote lecture, First International Conference on Pollinators, State College, PA, July 24, 2010; Keynote, Status of Pollinators; Past, Present, Future, North American Pollinator Protection Campaign, Washington, DC, October 20, 2010
- 2011 Keynote Lecture, International Symposium for Biological Control of Weeds, Waikoloa Beach, Hawaii, September 12, 2011; Education through Entertainment symposium, Entomological Society of America, Reno, NV, November 13, 2011; Citizen Science symposium, Entomological Society of America, Reno, NV, November 13, 2011; An Eisnerian view of nature symposium, Entomological Society of America, Reno, NV, November 13, 2011;
- 2012 Postcards from the edge of a leaf—life lessons from a little brown moth,” Frontiers in Life Sciences Symposium Cornell University, Ithaca, NY, April 2, 2012Lepidoptera monitoring and inventory, symposium at Lepidopterists Society annual meeting, Denver, CO, July 26 2012; “You are what you tweet; communicating entomology 140 characters at a time,” Social media in entomology”, Social Media symposium, Entomological Society of America, Knoxville, TN, November 11, 2012
- 2013 October 24, 2013; “Bees and pesticides and gypsy moths,” Annual Gypsy Moth Review, Evanston, IL, November 5, 2013; Entomological Society of America Annual Meeting, Austin, TX: “Does the honey bee risk cup runneth over”? P-IE Section Symposium: Beyond the LC50: Advancements in Toxicological Research on Pollinators, November 10, 2013; “Impacts of landscape-scale conversion to bioenergy crops on microlepidopteran diversity: Biofuels and LBMs”, P-IE Section Symposium: Biofuel Cropping Systems: Connecting Beneficial Arthropods, Ecosystem Services, and Landscape Effects, November 12, 2013; “Farming out pharmacology: Symbiont detoxification of phytochemicals,” “P-IE Section Symposium: The Effect of Microbes on Insect-Plant Interactions, November 12, 2013; You are what you eat: honey and the honey bee,” P-IE Section Symposium: Connecting Research, Outreach and Regulatory efforts to Protect Honey Bee Health, November 12, 2013
- 2014 “Honeybee cytochrome P450s: how a 6-million-year-old genome copes with pesticide-intensive modern agriculture” in the Biochemical Society/British Ecological Society/Society for Experimental Biology symposium “Impact of Pesticides on Bee Health” January 22-24, London, England; Why not extinction? Keynote lecture, Peggy Notabaert Museum, May 29, 2014; “From entomophobe to entomophile,” Field Museum, Chicago, IL, June 2, 2014; Plenary, “Honey bee risk cup: estimating aggregate exposures to pesticides,” IUPAC Congress, San Francisco, CA, August 10-14, 2014; Plenary, “Predicting the future challenges for entomology; lessons from the past,” 50th annual meeting of the Australian Entomological Society, September 29, 2014; Member symposium, “Honey; superfood for bees and people,” Nutrition health and behavior of wild and managed bees, Entomological Society of America, November 16, 2014
- 2015 Keynote, “Examining the Environmental Effects of Practices for Controlling Agricultural Pests (you can’t win)”, Workshop on Comparing the Environmental Effects of Pest Management Practices Across Cropping Systems, Board on Agriculture and Natural Resources, National Academy of Sciences, Washington DC , March 5, 2015 (via Webex);

Invited Talks

- 1977 Trent University, Dept. of Chemistry seminar (Peterborough, Ontario).
 1980 University of Illinois at Urbana-Champaign, Dept. of Entomology Seminar.

- 1981 University of Iowa (Iowa City, IA) Dept. of Botany Seminar; Illinois State University (Bloomington-Normal, IN) Dept. of Biological Science seminar.
- 1982 University of Wisconsin (Madison, WI) Dept. of Entomology seminar.
- 1983 Seminar, Arizona State University, Dept. of Zoology, Tempe, AZ; Northern Arizona University, Dept. of Biological Sciences, Flagstaff, AZ; T. Gunderson Memorial lecturer, Iowa State University (Ames, IA), Dept. of Entomology; Dept. of Entomology, Kansas State University, Manhattan, KS; Dept. of Entomology, University of Maryland, College Park, MD.
- 1984 American Chemical Society Peoria Chapter, Peoria, IL; Dept. of Entomology, University of Delaware, Newark, DE and DuPont Chemical Corp. Newark, DE; Institute of Ecology, University of California at Davis, CA; Zoological Institute, University of Stockholm, Sweden; Dept. of Biology, Penn State University, State College, PA; Dept. of Biology, University of Michigan, Ann Arbor, MI; Dept. of Horticulture, UIUC, IL; Genetic Engineering Seminar, UIUC, IL; Dept. of Entomology, UIUC, IL.
- 1985 Invited instructor, Naturalist-Ecologist Training Program, University of Michigan Biological Station, Pellston, MI; Dept. of Biological Sciences, University of Cincinnati, Cincinnati, OH; Dept. of Entomology, Ohio State University, Columbus, OH; Dept. of Biology, University of Pennsylvania, Philadelphia, PA; Section of Ecology and Systematics, Cornell University, Ithaca, NY; Dept. of Entomology, Colorado State University, Ft. Collins, CO; Dept. of Biology, University of Oregon, Eugene, OR; Dept. of Biology, Northern Illinois University, DeKalb, IL; Dept. of Plant Science, University of British Columbia, Vancouver, BC Canada; Dept. of Zoology, University of Washington, Seattle, WA.
- 1986 Dept. of Biology, University of Missouri-Columbia, Columbia, MO; Dept. of Biology, University of Illinois- Chicago, Chicago, IL; Dept. Neurobiology and Behavior, Cornell University, Ithaca, NY; Dept. Entomology, Purdue University, W. Lafayette, IN; Dept. of Biology, Western Illinois University, Macomb, IL; Dept. Chemistry, Colorado State University, Ft. Collins, CO; Dept. Biology, Princeton University, Princeton, NJ; Dept. of Biology, Rutgers University, Piscataway, NJ; Dept. Entomology, University of California, Davis, CA.
- 1987 Dept. of Biology, Harvard University, Cambridge, MA; Dept. of Entomology, University of Massachusetts, Amherst, MA; Depts. Ecology and Behavioral Biology and Entomology, University of Minnesota, Minneapolis, MN; Dept. Biochemistry, University of Nevada, Reno, NV; Dept. Biology, University of Arizona, Tucson, AZ; Depts. Biology and Entomology, University of Kentucky, Lexington, KY; Dept. Entomology, Michigan State University, East Lansing, MI.
- 1988 Dept. of Entomology, NC State Univ, Raleigh, NC; Dept. Zoology, Duke Univ, Durham, NC; Dept. Biology, University of South Carolina, Columbia, SC; Dept. Ecology and Evolutionary Biology, University of California, Irvine, CA; Dept. Entomology, University of California, Riverside, CA; Dept. Entomology, Louisiana State University, Baton Rouge, LA; Ohio Agricultural Research Development Center and Dept. Entomology, Ohio State University, Wooster and Columbus, OH; Midwest Horticultural Inspection Society, Champaign, IL; Dept. Zoology, University of Texas, Austin, TX.
- 1989 Dept. Biology, University of Missouri, St. Louis, MO; Dept. Ecology and Evolutionary Biology, State University of NY, Stony Brook, NY; Dept. Biology Indiana University, Bloomington, IN; Dept. Chemistry, Cornell University, Ithaca, NY.
- 1990 Dept. Biology, Harvard University, Cambridge, MA; Midwest Conference of Parasitologists/Midwest Tropical Disease Research Conference, UIUC, IL; Illinois State Beekeepers Association, Champaign, IL; Dept. Biol. Sciences, Illinois State University, Normal, IL.
- 1991 Dept. Ecology and Evolutionary Biology, Princeton University, Princeton, NJ; Dept. Biological Science, DePauw University, Greencastle, IN; Dept. Biology, University of Miami, Coral Gables, FL.
- 1992 Bell Laboratories, Murray Hill, NJ; Distinguished Ecologist Series, Program in Ecological Studies, Colorado State University, Ft. Collins, CO.
- 1993 Dept. Biology, Yale University, New Haven, CT; Invitational Lecture Series, Allied Signal Inc., Des Plaines, IL; Dept. of Ecology and Evolutionary Biology, University of Chicago, Chicago, IL.;

- Eminent Ecologist, Kellogg Biological Station, Hickory Corners, MI; Dept. Entomology, University of Wisconsin, Madison, WI; Science Colloquium, Illinois Wesleyan University, Bloomington, IL; Dept. Biological Sciences, Indiana University, Bloomington, IN.
- 1994 Wake Forest University, Distinguished Lecturer Series, Winston-Salem, NC; Florida Entomological Society, Hutchinson Island, FL.
- 1995 Buffalo Museum of Science, Buffalo, NY; Dept. Biological Sciences, State University of New York, Buffalo, NY; Section of Ecology and Systematics, Cornell University, Ithaca, NY; Dept. Biology, Washington University, St. Louis, MO; Functional Foods for Health, University of Illinois, Chicago, IL; National Academy of Sciences Regional Meeting, University of Chicago, Chicago, IL.
- 1996 Entomological Society of Washington, Washington, DC; Dept. Entomology, University of Georgia, Athens, GA; Lucent Technologies, Murray Hill, NJ; Freund Foundation Lecturer, Dept. Biological Sciences, University of Missouri-St. Louis, St. Louis, MO.
- 1997 Division of Insect Biology, University of California, Berkeley, CA; Zoology Club, Eastern Illinois University, Charleston, IL; Ecology Center, Utah State University, Logan, UT; Distinguished Lecturer, College of Agriculture, Pennsylvania State University, University Park, PA; Dept. Biological Sciences, Western Michigan University, Kalamazoo, MI; 1960 Scholars Distinguished Lecturer, Williams College, Williamstown, MA.
- 1998 Sigma Xi lecturer, University of Illinois-Chicago, Chicago, IL, March 27; Environmental Horizons Conference, UIUC, IL, April 21; American Philosophical Society, Philadelphia, PA, April 25; Functional Foods for Health Annual Retreat, Monticello, IL, May 12; General Research Colloquium, Lucent Technologies, Murray Hill, NJ, June 19; Dept. of Entomology, Purdue University, West Lafayette, IN, Sept. 10; Division of Biological Sciences Distinguished Lecture, University of Kansas, Lawrence, KS, Oct. 8; Hefner Life Science lecture, Miami University, Oxford, OH, Oct. 30.
- 1999 Texas A & M Centennial Lecturer, Dept. Entomology, Texas A & M University, College Station, TX, March 10; E.P. Catts Memorial Lecturer, Dept. Entomology, Washington State University, Pullman, WA, March 11; Dept. Entomology and Dept. Zoology joint seminar, Washington State University, Pullman, WA, March 12; Dept. Zoology, University of Washington, Seattle, WA, March 15; Jackson Lecture, Eureka College, Eureka, IL, April 15; Dept. Organismal Biology and Anatomy, University of Chicago, Chicago, IL, May 4; Capitol Science Lecturer, Carnegie Institution of Washington, Washington, DC, May 18; Weese Lecturer, Dept. Zoology, University of Oklahoma, Norman, OK, Oct. 13; Oklahoma Scholar Leadership Enrichment Program, University of Oklahoma, Norman, OK, Oct. 13-17; American Academy of Arts and Sciences Midwest meeting speaker, Oct. 23; Center for Advanced Study Round Table on Social Behavior in Humans and Insects, UIUC, IL, Oct. 26.
- 2000 Physiological and Molecular Plant Biology Program, UIUC, IL, recruiting symposium, Feb. 19; Dept. Biology, Simon Fraser University, Burnaby, BC, Canada, March 16; plenary address, "Invasion USA," Environmental Horizons, March 27; Dept. Entomology, Rutgers University, New Brunswick, NJ, March 31; Iscoll Lecturer, Cornell University, Ithaca, NY, April 13; LACE lecturer, Cornell College, Mt. Vernon, IA, May 11; Alfred Boyce Lecturer, Dept. Entomology, University of California, Riverside, CA, May 24; Ecology and Evolution speaker, University of California, Davis, CA, May 25 & 26; Central States Horticultural Association annual meeting, Lisle, IL, Oct. 24; UIUC Phi Beta Kappa chapter annual meeting, UIUC, IL, Nov. 8; Keck Center for Behavioral Biology, North Carolina State University, Raleigh, NC, Nov. 19.
- 2001 Darwin Lecture, Dept. Biological Sciences, University of Calgary, Calgary, Alberta, Canada, March 12; Entomology lecture, Dept. Biological Sciences, University of Edmonton, Alberta, Canada, March 15; Strickland Lecture, Dept. Biological Sciences, University of Edmonton, Alberta, Canada, March 16; Entomology Graduate Student Organization invited speaker, Dept. Entomology, Iowa State University, Ames, IA, April 2; Miller Lecturer, Iowa State University, Ames, IA, April 2; Food and Drug Administration Regional Testing Laboratory, Jamaica, Queens, Aug. 13; Dept. Biological Sciences (2 lectures), Southern Illinois University, Carbondale, IL, Oct. 11.

- 2002 Juanita Greer White Lecture, University of Nevada, Las Vegas, NV, March 18; Dept. Biological Sciences, University of Nevada, Las Vegas NV, March 19; Dept. Entomology, University of Arizona, Tucson, AZ, March 21; Jugatae, Dept. Entomology (cosponsored with Dept. Ecology and Systematics), Cornell University, Ithaca, NY, Nov. 25.
- 2003 Sackler Colloquium, Beckman Center, Irvine, CA, Jan. 19; USDA lecturer, USDA Beltsville, MD, Jan. 31; H.T. Cottle Lecturer, Sul Ross State University, Alpine, TX, March 27; Dept. Entomology, Pennsylvania State University, State College, PA, May 27; Distinguished Chemistry-Life Science Lecture, Virginia Commonwealth University, Richmond, VA, Nov. 12; Distinguished Life Science Lecture and Dept. of Ecology and Evolutionary Biology Lecture, Virginia Tech University, Blacksburg, VA, Nov. 14
- 2004 Darwin Day Lecturer, University of Wisconsin, Whitewater, WI, Feb. 12; Dept. Biological Sciences, Barnard College, New York, NY, March 25; Howard Hughs public lecture, Barnard College, New York, NY, March 25; U.S. Department of Education, European Community-United States Cooperative Program, "SUSPROT: Sustainable Crop Protection in Agriculture" Institut National Agronomique Paris-Grignon, Frederic Marion-Poll class lecture, April 13, 2004; Department of Ecology and Evolutionary Biology, University of Chicago, May 10, 2004
- 2005 G.G.E. Scudder Lecturer, Peter Wild Institute for Interdisciplinary Studies, University of British Columbia, Vancouver BC January 7, 2005; Dept. Entomology, University of Florida, Gainesville, FL, March 27, 2005; Charles Doane Memorial Lecture, University of Wisconsin, Madison, WI, April 1, 2005; Department of Entomology Centennial Celebration, University of Arkansas, Fayetteville, Arkansas September 29, 2005; Florida International University Life Science lecture series December 12-14, 2005
- 2006 Life Science Lecture Series, Elon College, March 1, 2006; University of Sheffield May 4; Sawicki Lecture, Rothamsted Research Station, Harpenden, May 5; Clarke Lecture, University of Wyoming, Laramie, Sept 7-8, 2006
- 2007 Council member research talk, National Academy of Sciences, February 7, 2007, Beckman Center, Irvine, CA; Department of Natural Resources and Environmental Sciences UIUC, March 2, 2007; Department of Entomology, UIUC, March 12, 2007; Department of Biological Sciences/EpScor, University of Alaska, Fairbanks, AK, March 22, 2007; Plant Physiology and Molecular Biology, UIUC, September 5, 2007; Rutgers University (two seminars), New Brunswick, NJ September 14, 2007; Montreal Botanical Garden, September 25, 2007; Tufts, Department of Biological Sciences (2 seminars), September 27-8, 2007
- 2008 Athaeneum Series, Claremont College February 4, 2008; National Academy of Sciences Distinctive Voices series, Beckman Center, Irvine, CA February 6, 2008; Darwin Day, Idaho State University, Pocatello ID, February 14, 2008; Plenary lecture, Eastern Branch Ent Soc Amer, Syracuse NY March 10, 2008; Graham Lecture, University of Toronto, Toronto, Ontario CAN March 20, 2008; Department of Ecology and Evolution, University of California, Los Angeles, CA, June 4, 2008; Department of Biochemistry, University of Nevada, Reno, Nov. 14, 2008
- 2009 Plant Biology Colloquium, UIUC, January 30, 2009; Darwin Day, Columbia University, New York, NY, March 24, 2009; Westbrook lecture, Wagner Free Institute of Science, Philadelphia, PA, March 28, 2009; Missouri Botanical Garden, St. Louis, MO, April 11, 2009; Paul Feeny retirement recognition (Feeny Fling), October 17, 2009 C. P. Alexander Lecture, University of Massachusetts, Amherst, MA, October 19, 2009; Department of Entomology, Michigan State University, East Lansing, MI; Sigma Xi lecture, Michigan State University November 2, 2009; Hageman Lecture, Dept. Biochemistry, Kansas State University, Manhattan KS November 16, 2009
- 2010 Dept. Biological Sciences, Washington University, St. Louis MO January 21, 2010; Michigan Entomological Society, Tustin Michigan, June 25, 2010; Seminar in Ecology and Evolution, University of Amsterdam, The Netherlands, September 23, 2010; Department of Entomology seminar, Virginia Tech, Blacksburg, VA, October 7, 2010; Entomological Society of America L. L. Langstroth symposium, December 12, 2010; Welcome address to new members, Entomological Society of America, December 12, 2010
- 2011 Environmental Protection Agency webinar, "Bees and pesticides," January 13, 2011; Big Ten Distinguished Lecture, Department of Entomology, University of Nebraska, Lincoln,

- NE, November 3, 2011; “The ABeeC’s of CCD,” luncheon lecture, Almond Conference, Modesto, CA, December 8, 2011
- 2012 Natural History Seminar, University of Chicago, Chicago, IL, January 10, 2012; A. Watson Armour Research Seminar, Field Museum of Natural History, January 11, 2012; Department of Plant Biology, Southern Illinois University, Carbondale, IL January 27, 2012; “Bees and technology,” Agricultural and Biological Engineering Department seminar, UIUC, March 16, 2012; Ned Ames Honorary Lecture, Cary Institute of Ecosystem Studies, Millbrook, NY, April 27, 2012; Dwight DeLong Distinguished Lecture, Ohio Agricultural Research and Development Center, Ohio State University, Wooster, OH, May 16, 2012
- 2013 Department of Entomology Centennial Speaker, Purdue University, West Lafayette, IN, March 21, 2013; Morrow Lecture, Western Illinois University, Macomb, IL; Department of Ecology and Evolution, University of Chicago, April 7, 2013; Roger M. Morrow Lecturer, Western Illinois University, Macomb, IL, April 4, 2013; Annual Ecology and Evolution graduate student retreat, Chicago Botanic Garden/University of Chicago, Chicago, IL, April 7, 2013; George S. Saul Lecture, Department of Biology, Middlebury College, Middlebury VT, September 20, 2013; Predicting the future of entomology—lessons from the past,” First Annual Richards-Hodson Lecture, Department of Entomology, University of Minnesota, St. Paul, MN, October 24, 2013; “Bees and pesticides and gypsy moths,” Annual Gypsy Moth Review, Evanston, IL, November 5, 2013; Entomological Society of America Annual Meeting, Austin, TX: “Does the honey bee risk cup runneth over?” P-IE Section Symposium: Beyond the LC50: Advancements in Toxicological Research on Pollinators, November 10, 2013; “Impacts of landscape-scale conversion to bioenergy crops on microlepidopteran diversity: Biofuels and LBMs”, P-IE Section Symposium: Biofuel Cropping Systems: Connecting Beneficial Arthropods, Ecosystem Services, and Landscape Effects, November 12, 2013; “Farming out pharmacology: Symbiont detoxification of phytochemicals,” “P-IE Section Symposium: The Effect of Microbes on Insect-Plant Interactions, November 12, 2013; You are what you eat: honey and the honey bee,” P-IE Section Symposium: Connecting Research, Outreach and Regulatory efforts to Protect Honey Bee Health, November 12, 2013
- 2014 Friday Seminar Programme, John Innes Plant Research Center, Norwich, UK, March 24, 2014; Rochester Community and Technical College Environmental Science Program, Bees in Crisis: Colony Collapse, Honey Laundering and Other Problems Bee-Setting American Apiculture, Rochester, MN, April 8, 2014; Storer Lectures, Department of Entomology, University of California at Davis, Davis, CA, May 20, 21, 2014; “Real-time evolution of tolerance in the invasive weed *Pastinaca sativa* after re-association with its specialist herbivore *Depressaria pastinacella*,” International Society for Chemical Ecology 30th annual meeting, Urbana, IL, July 10, 2014;
- 2015 30th Anniversary Ecology and Evolution Department National Academy Lecturer, University of Connecticut, Storrs, March 24, 2015; 10th Annual Rieveschl Lecture, Department of Biology, University of Cincinnati, March 25, 26 (two lectures)

Contributed Papers and Posters (partial)

- 1982 National meeting, Entomological Society of America, Toronto, Canada
(with J. Nitao) National Meeting, Entomological Society of America, Toronto, Ontario, Canada
- 1984 (with Arthur Zangerl), AIBS meeting, Ft. Collins, CO; (with Jonathan Neal), National meeting, Entomological Society of America, San Antonio, TX
- 1985 (with R. Tuveson and E. Heininger) National meeting, Genetics Society of America
- 1986 (with S. Sandberg) International Society of Chemical Ecology, Berkeley, CA; (with A. Zangerl and J. Nitao), INTECOL and Ecological Society of America, Syracuse, NY
- 1987 (with A. Zangerl and J. Nitao), Ecological Society of America, Columbus, OH
- 1988 (with A. Zangerl), Ecological Society of America, Davis, CA; (with E. Heininger and with K. Lee), Entomological Society of America, Louisville, KY
- 1989 (with R. Leskosky), Semiotics Society of America, Indianapolis, IN

- 1990 (with M. Cohen), Entomological Society of America, New Orleans, LA (poster)
- 1991 (with M. Cohen), Entomological Society of America, Reno, NV
- 1993 (with E. McCloud), American Society for Photobiology, Chicago, IL (platform and poster); (with A. Zangerl), Ecological Society of America, Madison, WI
- 1995 (with A. Zangerl and D. Lohman), Ecological Society of America, Snowbird, UT; (with M. Carroll and with E. Green), Entomological Society of America, Las Vegas, NV
- 1996 (with M. Carroll), Entomological Society of America, Las Vegas, NV
- 1998 Midwest Cytochrome P450 meeting, Purdue University, W. Lafayette, IN, Sept. 9 (with X. Li)
- 1999 Poster session, Entomological Society of America, Nov. 6 (R. Petersen, M. Berenbaum, M. Schuler; M. Carroll, A. Zangerl, and M. Berenbaum); Toxicology Open House poster session, UIUC, IL, April 30 (X. Li, A. Zangerl, M. Schuler, M. Berenbaum); (R. Petersen, M. Berenbaum, M. Schuler); Midwest Cytochrome P450 meeting, Purdue University, W. Lafayette, IN, Sept. 10, (W. Li); USDA Monarch Butterfly Symposium (coauthor with A. Zangerl and C.L. Wraight, Nov. 4; Poster session, Entomological Society of America, Dec. 13 (R. Petersen)
- 2000 Entomological Society of America, Dec. 4 (with R. Petersen and M. A. Schuler); Cytochrome P450 meeting, Marseilles, France, Sept. 18 (with X. Li, M. Sasabe and M. Schuler)
- 2002 Entomological Society of America, Nov. 17-20 (with Rebecca Petersen, C. McDonnell)
- 2003 Entomological Society of America, Oct. 25-29, (with Zhimou Wen, M. Carroll, C. McDonnell) (paper and poster)
- 2004 Entomological Society of America, Salt Lake City, UT,
- 2005 Entomological Society of America, December 14-18, 2005, Ft. Lauderdale, FL (papers w/ C. McDonnell, B. O'Neill, Z. Wen, W. Mao, R. Johnson)
- 2006 Entomological Society of America, December 10-12 (5 papers, w/ Reed Johnson, Bridget O'Neill, Zhimou Wen, Ren Sen Zeng, Clare Casteel, one poster w/ Guodong Niu)
- 2007 Ecological Society of America; Entomological Society of America
- 2008 Two papers with graduate students at International Congress of Entomology, Durban, South Africa, July 3-6, 2008; four papers with graduate students at Entomological Society of America, November 2008; one poster with graduate student, California Almond Board annual meeting, December 10, 2008
- 2009 Arthropod Genomics, Kansas State University, June 2009; American Society of Plant Biology, Honolulu, HI, July 2009
- 2010 Entomological Society of America, San Diego, CA, December 2010 (coauthor on 5 papers)
- 2011 Entomological Society of America, Reno, NV, November 2011 (coauthor on 2 papers)
- 2012 Entomological Society of America, Knoxville, TN, November 2012 (coauthor on 4 papers)
- 2013 Entomological Society of America, Austin, TX, November 2013 (coauthor on four papers)
- 2014 Entomological Society of America, Portland, OR, November 2014 (coauthor on three papers)

Symposia and Meetings Organized

- 1983 Planning Committee for 1983 Midwest Population Biology Conference - UIUC
- 1984 National Meeting, Entomological Society of America, San Antonio, TX: Symposium "Insects and photoactive substances in plants"
- 1985 Planning Committee for 36th Annual Meeting of the Lepidopterists' Society – UIUC, IL
- 1986 Symposium coordinator, North Central Branch Meeting of the Entomological Association of America - Section C and organizer of the symposium, "Quantitative genetics in insect/plant interactions," Minneapolis, MN
- 1988 Symposium coordinator, XVIII International Congress of Entomology, Vancouver, B.C., Canada, "In honor of G.H.N. Towers - Phytochemical contributions to plant-insect relations"
- 1995 Vice Presidential Symposium, "Evolution of specialization," American Society of Naturalists, Montreal, Quebec, Canada
- 1996 (with Martin Feder), National Science Foundation Workshop, "Inducible responses to stress--interdisciplinary approaches," May 13-15
- 2000 (with Peter Smallwood), Society for Integrated and Comparative Biology, Atlanta, GA, Jan. 5-7, (co-organized but could not attend)

- Chemical Ecology Workshop: Funding Priorities and Directions for Research, 1-day meeting in Washington, DC, USDA CSREES and A.P. Sloan Foundation, July 13
- 2002 Nalbandov Symposium: A Celebration of Biocomplexity and Biodiversity, co-organizer with J. Cheeseman and C. Shearer, UIUC, IL, Feb. 7-9
Chair, Local Arrangements Committee, Evolution 2002 (annual meeting of Society for Study of Evolution and Society for Systematic Biology), UIUC, IL, June 28-July 2
- 2003 Chair, National Academy of Sciences Sackler Colloquium, Chemical Communication in a Post-Genomic World (w/ Gene Robinson), Irvine, CA, Jan. 18-19
- 2005 "Writing for the public" Entomological Society of America, Ft. Lauderdale, FL December 13, 2005, co-organizer with Mark Winston
- 2009 American Institute of Biological Sciences annual meeting, "Sustainable Agriculture: Greening the Global Food Supply," May 18-19, 2009, Arlington VA.
- 2009 Program Symposium: Colleagues, Science and Ideas: Investigating Chemicals, Signals, and Interactions", Entomological Society of America, December 12-15, 2009, Indianapolis, IN; ENTCENT 2010, University of Illinois Department of Entomology centennial celebration, December 11, 2010
- 2010 2010 Bee Space – The Final Frontier: The Bicentennial Celebration of Lorenzo Langstroth and Diverse Discoveries in Honey Bee Biology – Gene Kritsky and May Berenbaum, 2010 Entomological Society of America meeting, San Diego, CA, December 12, 2010
- 2011 An Eisnerian View of Nature—Symposium in memory of Thomas Eisner, Ent Soc. Amer, Reno NV, November
- 2012-2013 Organizing committee, 2013 joint meeting of the International Society of Chemical Ecology and Asian-Pacific Association of Chemical Ecologists, Brisbane, 2013
- 2013-2014 Organizing committee, Arthropod Genomics Symposium, Urbana, IL, June 12, 2014
- 2013-2014 Chair, organizing committee, 30th annual meeting of the International Society of Chemical Ecology, July 8-12, Urbana, IL, held jointly with the 13th annual Chemical Signals in Vertebrates meeting (co-chair Bruce Schulte)
- 2014 Symposium "Arthropod herbivore genomics," International Society of Chemical Ecology, July 9, 2014

Graduate and Undergraduate Students

Major advisor

Ph.D. candidates --

- 1987 **James Nitao** "Adaptations to furanocoumarins of *Pastinaca sativa* by *Depressaria pastinacella* (Lepidoptera: Oecophoridae)"
Jonathan Neal "Ecological aspects of insect detoxication enzymes and their interaction with plant allelochemicals"
- 1989 **Keywan Lee** "Enzymatic defenses against plant phototoxins in phytophagous insects"
Ellen Heininger "Effects of furocoumarin and furoquinoline allelochemicals on host-plant utilization by Papilionidae"
- 1990 **Lorne Wolfe** (Ecology Program) "Regulation of reproductive success in a biennial plant *Hydrophyllum appendiculatum*"
- 1991 **Michael Cohen** "Characterization of a hostplant-inducible cytochrome P450 from the black swallowtail caterpillar *Papilio polyxenes* (Lepidoptera: Papilionidae)"
- 1995 **Steven Passoa** "Larval and pupal systematics of the North American Amphisbatinae and Depressariinae (Lepidoptera: Oecophoridae)"
Eric McCloud "Stratospheric ozone depletion and plant-insect interactions: effects of UVB radiation on generalist and specialist herbivores on a tropical tree and a temperate forb"
- 1996 **Chien-Fu Hung** "Isolation and characterization of cytochrome P450s from *Papilio polyxenes* and *Papilio glaucus*"
Laura Simms (Ecology, Ethology, and Evolution) "Plant-plant and plant-insect interactions: direct and indirect effects of neighbors"

- 1997 **Steven Frankel** (Plant Biology) "Light effects on plant chemistry: implications for plants and herbivores"
- Lisa Carloye** "The effects of synthetic and naturally occurring compounds on microsporidian infection in insects" (coadvisor with J. Maddox)
- 2000 **Ellen Green** "Effects of nutrients and minerals on growth and detoxification in phytophagous insects"
- 2003 **Weimin Li** "Functional characterization and evolutionary analysis of lepidopteran cytochrome P450 genes involved in plant-insect interaction"
- 2003 **Rebecca Petersen** "Interactions among steroid and xenobiotic response cascades in the regulation of CYP6B1"
- 2003 **Xianchun Li** "Molecular definition of cytochrome P450-mediated multiple resistance in *Helicoverpa zea*"
- 2003 **Mark Carroll** "Effects of dietary lutein on the parsnip webworm, *Depressaria pastinacella* (Lepidoptera: Elachistidae)"
- 2007 **Katrina Lustofin** Toxicology of three plant neurotoxins in *Drosophila melanogaster*, *Gallus gallus domesticus*, and *Mus musculus*
- 2008 **Reed Johnson** Toxicogenomics of *Apis mellifera*
- Bridget F. O'Neill** Indirect effects of elevated carbon dioxide on members of three herbivorous feeding guilds on soybean, *Glycine max*
- 2010 **Guodong Niu** Toxicity of mycotoxins to insects and underlying molecular and biochemical mechanisms
- Cynthia McDonnell** Regulation of cytochrome P450 genes in *Drosophila melanogaster* by the chemical environment
- 2011 **Terry Harrison** Microlepidoptera of hill prairies in Illinois
- 2014 **Tania Jogesh**, Consequences of global redistribution on the ecology and evolution of the invasive weed *Pastinaca sativa*
- Maminirina Randranadrasana**, *Antherina suraka* (Lepidoptera: Saturniidae); ecology, systematics, and potential economic uses to promote conservation in Madagascar
- M.S. candidates* --
- 1982 **Pamela Anderson** "A preliminary study of the weevil *Conotrachelus cristatus* on cassava (*Manihot esculenta* Cranz) within an indigenous agricultural system"
- 1983 **James Nitao** "Coniine toxicity and deterency in *Heliothis zea*"
- David Stone** "Effects of soil compaction on size and vertical distribution of Collembola and mites in a forest soil"
- 1987 **Sherri Sandberg** "Chemical ecology of *Hypericum perforatum* (Guttiferae) and its leaf-tying tortricid (Lepidoptera) herbivores"
- 1988 **Mary Severinghaus** (Biology Program) (nonthesis)
- 1991 **M.A. Hissong** "Immunochemistry of the xanthotoxin-inducible cytochrome P450 in the black swallowtail, *Papilio polyxenes*"
- 1993 **Chui-Ying Li** "Furanocoumarin responses of wild and cultivated parsnip roots to abiotic and biotic stresses"
- Steven Frankel** (Plant Biology) (nonthesis)
- 1994 **Claire Rutledge** "Host defense and host size as determining factors of host specificity in *Eucelatoria bryani* (Diptera: Tachinidae)"
- 1995 **Ellen Green** "An ecological benefit of silk-spinning behavior in the parsnip webworm, *Depressaria pastinacella*"
- 1997 **Mark Carroll** "Octyl acetate and octyl butyrate in wild parsnip, *Pastinaca sativa* (Apiaceae) and their effects on the parsnip webworm, *Depressaria pastinacella* (Lepidoptera: Oecophoridae)"
- 1999 **Rebecca Petersen** "Expression of CYP6B1 and CYP6B3 and furanocoumarin metabolism in different tissues of *Papilio polyxenes* (Lepidoptera: Papilionidae)"
- 2000 **Terry Harrison** "Rutaceae-feeding *Agonopterix* (Elachistidae) in Illinois"
- Duane McKenna** "Ecology, phylogeny and host-usage of North American *Depressaria* (Lepidoptera: Elachistidae)"

- 2001 **Julie Cianfroga** (Biology, 2001) "Effects of furanocoumarins on feeding behavior and metabolism in *Depressaria pastinacella*, the parsnip webworm"
- 2002 **Kate Best** (Biology) "Effects of 5 α -androst-16-en-3-one (androstenone) on two species of Lepidoptera"
- 2003 **Cynthia McDonnell** "Regulation of cytochrome P450 gene transcription in two species of swallowtail caterpillar"
- 2005 **Jennifer McGovern**, "Metabolic effects of furanocoumarins on two lepidopterans"
- 2006 **Bridget O'Neill** Effects of soybean foliage grown under elevated CO₂ on longevity and fecundity of the Japanese beetle, *Popilla japonica* (Newman)
- 2013 **Katherine Noble** Xenobiotic detoxification in the navel orangeworm *Amyelois transitella* (Lepidoptera: Pyralidae)
- 2014 **Mark Demkovich** Insecticide detoxification in the navel orangeworm *Amyelois transitella* (Lepidoptera: Pyralidae)
- Undergraduates --*
- 1981 **Ralph Becker** (Entomology 290) "Furanocoumarins as autoinhibitors of germination in *Pastinaca sativa*"
- 1983-1985 **Robert Killian** (Entomology 290) "Phototoxicity of plant products to insects"
- 1988-1989 **Darin Dougherty** (Entomology 290)
- 1988-1989 **Andrea Leslie** (Entomology 290) "Role of the osmeterial gland of swallowtail larvae in defense against avian predation" (graduated with honors) (1990 J. Lep. Soc)
- John Thomas** (Entomology 290)
- 1990 **Ellen Green** (Entomology 290) "Evaluation of transgenic tobacco in insect pest management" (graduated with honors)
- 1991 **Rebecca Klaper** (Entomology 290) "Anthocyanin and resistance to UVB irradiation in *Brassica rapa*" (graduated with honors)
- 1991 **Andy Cohen** (Entomology 290)
- 1990-1991 **Gregory Smith** (Entomology 290)
- 1991-1992 **Joseph Lompart** (EEE 290)
- 1992 **Ken Kelley** (Ent. 290)
- Ben Moreno** (Fall)
- 1992-1993 **Cheryl Heinz** "Effects of dietary beta-carboline alkaloids on the feeding efficiencies of larvae of *Trichoplusia ni*" (graduated with high distinction) (1996 Ent Exp Appl)
- 1992 **John Martini**
- 1993 **Barbara Ria Barrido** (Spring) A test of the efficacy of ultrasonic mosquito repellents. (1993 Vector Control Bull North Central States)
- 1993 **Amanda Nadolski** (Spring/Summer) "Effects of d-alanine on the silk production of the parsnip webworm *Depressaria pastinacella* (Lepidoptera: Oecophoridae)" (graduated with honors)
- 1994 **Christian DuBois** (Fall/Spring) "Behavioral response of *Trichoplusia ni* larvae to phytochemical induction in wild parsnip" (graduated with distinction)
- Chris Stoeckner** (Spring)
- David Lohman** (Summer-- Hughes student, Bradley University) Impact of floral herbivory by parsnip webworm (Oecophoridae: *Depressaria pastinacella* Duponchel) on pollination and fitness of wild parsnip (Apiaceae: *Pastinaca sativa* L.) (1996 Am. Midl. Nat.)
- Rae Hafer** (Summer--Hughes student, Reed College)
- 1995-1996 **Erika Young**
- 1996 **Alex Sauper** (Fall)
- 1996 Amy Hanlon (Summer-Hughes student, Pomona College) (1997, J. Chem. Ecol.)
- Tanya Hanlon (Summer-Hughes student, Pomona College)
- 1998 **M. A. Macon** (Summer) "Chrysalis" (play)
- 1999 **C. Lydia Wraight**--"A yellow-eyed mutant of *Trichoplusia ni* (Lepidoptera: Noctuidae)" (1999 Ann Ent Soc Amer)and "Absence of *Bacillus thuringiensis* endotoxin toxicity to black swallowtail larvae under field conditions" (graduated with distinction) (2000 PNAS)
- 1999 **Leslie Boby**
- 2000 **Daniel Skirvin**

2001 **Jennifer McGovern**
Freddy Escorcia--Howard Hughes program

2002 **Paul Cziko**

2003 **Linus Gog**--Howard Hughes Program, Autotoxic effects of essential oils on photosynthesis in parsley, parsnip, and rough lemon (Chemoecology 2005)

2005 **Jennifer Lauren Chambers** Benefits of trenching behavior in the context of an inducible defense(2007 Chemoecol)

2006 **Megha Maka**—James Scholar

2011 **Alan Yanahan**— Role of arthropod community and trophic structure in biofuel crop litter decomposition (2012 Insect Science)
Allen Lawrance—Effects of a naturally occurring and a synthetic synergist on toxicity of three insecticides and a phytochemical to navel orangeworm (2012, J. Econ. Ent.)
Robert Orpet-- Silica and nitrogen modulate physical defense against herbivores in bioenergy crops *Miscanthus x giganteus* and *Panicum virgatum*. (2012 J Econ. Ent.)

2014-2015 **Brooks Hauser**

2015 **Alejandro Zavala**
Postdoctoral Associates –
Runlin Ma
Suzanne Timmermann
Zhimou Wen
Wenfu Mao
Eva Castells
Jorge Zavala
Saber Miresmailli
Terry Harrison

Graduate students - minor member of committee
M.S. candidates --

1982	Hilary de Alwis	1988	Keith Hunter
	Joel Siegel		Philip Lewis
1984	Steve Heydon	1991	Dawn Dockter
	Rebecca Grosser		Karlene Ramsdell
	Laura Simms	1993	Honghong Zhang
1985	Marilyn Morris		Leslie Deem-Dickson
1986	Thomas Carrel (Plant Biology)		Tugrul Giray
1987	Yanli Deng		
1995	Sean Collins	2001	Jodie Ellis
	Christine Armer		Peter Reagel
1997	Laura M. Heuser Kimball		Robert Moore
1998	Ria Barrido		Dimitry Novikov
	Hilary Reno		Kay Edly
1999	Michael Slamecka	2003	Katharina Rothwangl
	John Tooker		Jesse Albertson
	Matthew Ginzel		Emerson Lacey
2005	Clark Danderson (Plant Bio)	2007	Bridget Wille (Crop Sci)
2006	Sindhu Krishnankutty		
2007	Emily Kluger		
2007	Maminirina Randrianandrasana		
	Joel Morris		
2010	Stephanie Dold	2011	Jaqueline O'Connor
	Nicholas Naeger	2012	Johnny Yu
2013	Andrea Walker		

Ph.D candidates --

1984	John Anderson	1984	Richard Lindroth (Ecol)
	Eugene Miliczky		Michael Vanni (EEE)
1985	Joel Siegel	1987	Betsy Desy (Ecology Program)
1986	Richard Lampman		Ken Spitze (Ecol Ethol Evol)
		1988	William Capman (Ecology)
	David C. Smith		Pat Thomas (Ecol Ethol Evol)
1987	Randy Cohen	1989	Tom Seibert (Ecol. Program)
1987	Edward Sakufiwa	1990	Doris Goldman (Ecol Ethol Evol)
	Lane Smith		Anita Brinker (Plant Biology)
1988	Nathan Schiff	1993	Susan Coon (Geography)
1990	Harry Bottenberg		Robert Melton (Ecol Ethol Evol)
	Bruce Steinly	1990	Linda Ross (Coll. Edu, qual. exam)
	Jussara Prado	1990	Carol Kelly (Plant Biology)
1995	Gwen Fondufe	1993	Archana Asthana (Plant Biology)
1996	Tugrul Giray	1994	Laura Simms (Ecol. Ethol. Evol.)
1997	Phillip Lewis	1995	Hattie Prapaipong (Biochemistry)
1998	Angel Gonzalez	1995	David Clark (Plant Biology)
	Claire Rutledge	1996	Karen Readell (Plant Biology)
2000	Karen McClellan		Lyle Trumbull (Ecol. Ethol. Evol.)
	M. Alleyne	1998	Michael Persans (Plant Biology)
	Hilary Reno	2001	Jeff Zimpfer (NRES)
2002	Honghong Zhang	2002	Tanya Jackson (Plant Biology)
2003	John Tooker		James Frelichowski (NRES)
2004	Jeffrey Gilardi	2004	Nele Gheldof (Food Science)
			Paul Strode (NRES)
2005	Harland Patch	2004	Rachel Knepp (PlantBio)
2006	Katrina Lustofin	2005	Yan Li (PMPB)
2007	Daniela Takyia	2006	Renato Borgigno (Nutrition)
	Ephantus Juma Muturi	2007	Jennie Tang (Plant Bio)
	Emerson Lacey		Sanjeeva Rupasinghe (CDB)
2008	Lisa Knolhoff	2008	Amy Toth (PEECB)
2009	Peter Reagel	2008	Chance Riggins (PI Bio)
2010	Clare Casteel (Plant Bio, coadvisor)	2009	Matthew Richardson (PEEC)
2012	Mathys Meyer		
	Sindhu Krishnankutty	2012	Paul Nabity (PI Bio)
	Lauren Kent		
2013	Doris Lagos	2014	Diana Arias Penna
	Marsha Wheeler		

Invited external examiner

Alfonso Pescador, Dept. Biology, University of Pennsylvania
Don Champagne, Dept. Botany, University of British Columbia
Christine Murray, Dept. Biology, University of Ottawa (1996)
S. Raghu, Dept. Biology, Griffith University, Queensland, Australia (2002)
Anke Steppuhn, Biology Department, Friedrich-Schiller-Universität (2007)
Henry Hock Wee Chung, Dept. Biology, University of Melbourne (2008)

High school students (students in the laboratory prior to 2010 are not included)

2010 Andrew Lofdahl, Daniel Pearlstein, Danny Ge, Victoria Wong, Daniel Cheng (Urbana University Laboratory High School)

2012 Freddie Stavins (Urbana University Laboratory High School)

2013 Vikram Bagchi, Brooks Hauser, Sarah Lee (Urbana University Laboratory High School)

Courses Taught

Ent. 105 (IB109)--Insects and People; Spring 1989, 1990, 1991, 1992, 1993 (with honors section), 1994 (with honors section), 1995, 1996, 1997, 1998 (with honors/Discovery sections), 1999 (with honors/Discovery sections), 2000 (w/ Honors and Discovery sections), 2002 (with Honors section), 2003 (with Honors/Discovery sections), 2004 (with Honors section), 2005 (with Honors section) (1 guest lecture 2006), 2007, 2008 (with Honors section), 2009, 2010, 2011, 2013, 2014, 2015

Ent. 315 (IB444) --Insect Ecology; Spring 1981, 1982, 1983, 1984, 1985, 1986, 1988, Fall 1989, 1990, 1992, 1994, 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012, 2014

Bio. 324 (IB445) -Chemical Ecology (with D. Seigler); 1983, 1984, 1985, 1986, 1988, 1990, 1992, 1994, 1996, 1998, 2000, 2002, 2004, 2006, 2008, 2010, 2012

IB199—Discovery course: Media Poisons (Spring 2006); Discovery course: CSI Biology (Spring 2007); Honey (2010, 2011); Biology of Science Fiction Films (Fall 2012)

IB199—Invasion biology (A. Suarez), 1 guest lecture

IB372—Honors Biology Ecology and Evolution, 1 guest lecture

IB496—Special topics: Insect-plant chemical ecology (Fall 2014)

IB599—Introduction to Beekeeping, 1 guest lecture (Summer 2010, 2011)

Ent. 316--Insect Ecology Laboratory; Spring 1982

Ent. 426 (ENT526/IB526)--Insect Ecology Seminar -Spring 1983, 1989, 1992 (with G. Robinson), 1995 (with H. Robertson), Fall 1997, Spring 2001. Spring 2007 (w/ A. Zangerl as IB526), Fall 2007 (w/ Sydney Cameron); Fall 2011; Integrated Pest Management Seminar Fall 1991, 2001, 2002, 2003;

Ent. 301--Introduction to Entomology, Guest lecture, Summer 2000

Ent. 321--(Offered Fall 1982 as Ent. 490b)--Biological Control of Insect Pests and Weeds. 9 lectures in Fall 1982

Ent. 304 (IB504)--Genomic Analysis of Insects, guest lecture Spring 2001, 2002, 2003, 2009, 2011, 2013

Ent. 319--Insect Pest Management, Guest lecture, Fall 1993, 1999, 2002

Ent. 120--Agricultural Entomology, Guest lectures (2), Fall 1995

Bio. 104--Animal Biology; 7 lectures in Spring 1981, 22 lectures in Spring 1982; 7 lectures in Fall 1984, 15 lectures Spring 1985, 11 lectures Spring and Fall 1986, 7 lectures Spring and Fall 1988, 1989

Anthro 246—Forensic Science (guest lecture 2009, 2012)

Bio. 123--Adventures in Life Sciences--guest lecture fall and spring 1984, 1985, 1986, 1987, 1988

Bio. 309--Ecological Genetics--guest lecture Oct. 29, 1999

Bio. 390--Adventures in Life Sciences (2 lectures, Spring 1998)

Biochem 360--Guest lecture, Spring 2004

Crop Sci 337--Guest lecture Spring 2002

LAS101—Freshman Seminar (1 guest lecture, Fall 2010)

EEE 452--Plant Ecology Seminar Fall 1993 (with J. Conner)

EEE 490--Coevolution seminar Fall 1983 (in conjunction with Mary Willson)

ENVST 250--1 guest lecture Fall 2002, 2003, 2004

ENVST 496--Environmental Toxicology Seminar (Fall 1995 coordinator; guest lecturer Fall 1996)

ENVST 236--Tomorrow's Environment (one lecture fall 1995)

ENVST 360—Seminar in Environmental Studies (one lecture fall 2004, fall 2005)

CHP 295/ENVST 250 Seminar in Environmental Studies--1 lecture, Fall 2002, 2003

GK12 seminar—1 lecture (Spring 2008)

IB107 Global change biology—1 lecture (Fall 2008, Fall 2009)

IB202 Form and Function—1 guest lecture (Spring 2011)

IB446B Topics in Ecology and Evolution--1 lecture Fall 2003

IB546B Topics in Ecology and Evolution—1 lecture Fall 2006

IB496 Special Topics Beekeeping—1 lecture Summer 2010, 2011

IB299—Discovery course in invasion biology, 1 lecture

IB496---Introduction to Beekeeping, 1 lecture Summer 2010

LAS100—Freshman Seminar (1 lecture, 2010)

MCB 493—Biosecurity (1 guest lecture, 2009)

Pl. Bio. 414--Plant/Insect Interactions: seminar Fall 1990 (with C. Labandeira and Plant Biology Faculty)

Pl. Bio. 418--Plant Ecology Seminar Spring 1992, Fall 1997, 1999
 Pl. Bio. 263--Plants and Their Uses -- 7 lectures, 1994; 2 lectures 1995
 Pl. Bio. 234--Form and Function in Flowering Plants -- guest lecture, 1988, 1993
 Psych. 350--Genes and Behavior--guest lecture spring 1998
 Hist. 160--Environmental History--guest lecture fall 1998, 1999, 2000
 Honors program--Scholar Adventurer presentation, Fall 1986
 Hewlett Faculty Seminar in Environmental History, Spring 1998
 Vet. Bio. 199 Environmental Toxicology Discovery, Fall 2001 (1 lecture)
 VB551 Ecotoxicology (Fall 2010 1 guest lecture)
 OLLI (Osher Lifelong Learning Institute)—“Don’t Bee Afraid” (8 lectures), Spring 2008; “Biodiversity: who cares?” Spring 2010
 U.S. Department of Education, European Community-United States Cooperative Program, “SUSPROT: Sustainable Crop Protection in Agriculture” Institut National Agronomique Paris-Grignon, Frederic Marion-Poll class lecture, April 13. 2004

Committee Assignments

1980-1981 Library (SOLS); Instruction and Policy; Search Committee-Medical Entomologist (ENT)
 1981-1982 Instruction and Policy (chair); Greenhouse Committee (chair); Graduate Student Administration Committee; Depl. Seminar (chair) spring semester; Ecology Program-Executive Committee
 1982-1983 Instruction and Policy; Graduate Student Administration Committee; Greenhouse Committee (chair); Ecology Program-Executive Committee
 1983-1984 Courses and Curriculum Committee (SOLS); Graduate Student Administration Committee (chair); Ecology Program - Executive Committee; Fellowship Committee (SOLS); Greenhouse Committee (chair)
 1984-1985 Dept. Seminar (Chair); Greenhouse Committee (Chair); Courses and Curriculum Committee (SOLS); Ecology Program Executive Committee; Search Committee-Economic Entomologist (NHS); Ad hoc Committee to Evaluate Freshman Biology (SOLS)
 1985-1986 Dept. Awards; Greenhouse Committee (Chair); Dept. Seminar (Chair); Environmental Health (SOLS); Ecology Program (Chair of Executive Committee); Search Committee-Theoretical Population Biologist (EEE); Search Committee-Insect Geneticist (ENT)
 1986-1987 Greenhouse Committee (Chair); Dept. Seminar (Chair) - Fall semester; Plant Ecologist Search Committee (NHS); Biology 110-111 Reorganization Committee (SOLS)
 1987-1988 Admissions Committee (LAS); Faculty Senate representative (University); Dept. Greenhouse (chair); Dept. Awards; Dept. Seminar (chair); Committee on Program Evaluation (University)
 1988-1989 Admissions Committee (LAS); Faculty Senate representative (University); Committee on Program Evaluation (University); Dept. Greenhouse (Chair); Dept. Seminar (Chair); Dept. Awards; Search Committee-Entomologist (ENT); Search Committee-Ecological Geneticist (EEE); Search Committee-Director of SOLS (LAS)
 1989-1990 Faculty Senate Representative (University); Dept. Greenhouse (chair); Dept. Seminar (chair) Graduate Student Administration Committee; Environmental Health and Safety (SOLS); Committee on Program Evaluation (University); Search Committee - Entomologist (ENT)
 1990-1991 MillerComm (University); Faculty-Senate Representative (University); Honors Program (LAS); Graduate Student Administration Committee; Dept. Promotion and Tenure; Dept. Greenhouse (chair)
 1991-1992 MillerComm (University); Honors Program (LAS); Graduate Student Administration Committee (Chair); Fulbright Campus Screening Committee (University); Dept. Promotion and Tenure; Dept. Greenhouse (chair); Search committee-Behavioral Ecologist (EEE); Search committee-Biological Control (NHS)
 1992-1993 Miller Comm (University); Dept. Promotion and Tenure; Dept. Greenhouse (Chair); Head, Dept. Entomology and Executive Committee (SOLS); Steering Committee, Environmental Toxicology Program (I.E.S.); University and Planet Earth Planning Committee (University); Faculty Study in a Second Discipline Committee (LAS); Task Force on the Environment (University) H.H. Ross Award, Selection Committee (NHS); Natural Resources, Ecology, and Conservation Biology Executive Committee; Search Committee-Biological Control (NHS); Clare

Booth Luce Award Committee (University); Scientific Advisory Committee to Vice Chancellor for Research (University)

1993-1994 Library (SOLS); Dept. Promotion and Tenure; Dept. Greenhouse (Chair); Head, Dept. Entomology and SOLS Executive Committee; Steering Committee, Environmental Toxicology Program (I.E.S.) Task Force on the Environment (University); H.H. Ross Award, Selection Committee (NHS); Natural Resources, Ecology, and Conservation Biology Executive Committee; Search Committee-Biological Control (NHS); Scientific Advisory Committee to Vice Chancellor for Research (University); Search Committee - Dean (LAS); Executive Committee (SOLS)

1994-1995 Dept. Promotion and Tenure; Executive Committee (LAS); Dept. Greenhouse (Chair); Head, Dept. Entomology and SOLS Executive Committee; Steering Committee, Environmental Toxicology Program (I.E.S.); Natural Resources, Ecology, and Conservation Biology Executive Committee; Miller Lecture Committee (University); Scientific Advisory Committee to Vice Chancellor for Research (University); Olga Nalbanov Lecture Committee (University)

1995-96 Dept. Promotion and Tenure; Library Committee (SOLS); Executive Committee (LAS) Dept. Greenhouse (Chair); Dept. Seminar (spring semester); Head, Dept. Entomology and and SOLS Executive Committee; Steering Committee, Environmental Toxicology Program (I.E.S.); Miller Lecture Committee (University); Scientific Advisory Committee to Vice Chancellor for Research (University); Honorary Degree Committee (University); Faculty/Student Senate; Search Committee, Head of Natural Resources and Environment (AG); Olga Nalbandov Symposium Committee, Chair (University); Chancellor's Distinguished Lecture Committee (University); Friends of the Library Board; H.H. Ross Award Selection Committee (NHS); LAS Environmental Studies Planning Committee (LAS)

1996-97 Dept. Promotion and Tenure; Library Committee (SOLS); Executive Committee (LAS) Dept. Greenhouse (Chair); Head, Dept. Entomology and and SOLS Executive Committee; Steering Committee, Environmental Toxicology Program (I.E.S.); Miller Lecture Committee (University); Scientific Advisory Committee to Vice Chancellor for Research (University); Honorary Degree Committee (University); Faculty/Student Senate (University); Olga Nalbandov Symposium Committee, Chair (University); Endowed Appointments Committee (University); Friends of the Library Board; H.H. Ross Award Selection Committee (NHS); Environmental Council (University); Vice-Chair, Campus Charitable Fund Drive; Planning committee, Program in Ecology and Evolution (SIB); Advisory council, Center for Advanced Studies (University)

1997-98 Dept. Promotion and Tenure; Library Committee (SOLS); Dept. Greenhouse (Chair); Head, Dept. Entomology and and SOLS Executive Committee/SIB Advisory Committee; Miller Lecture Committee (University); Scientific Advisory Committee to Vice Chancellor for Research (University); Committee on Committees (University); Faculty/Student Senate (University); Olga Nalbandov Symposium Committee, Chair (University); Endowed Appointments Committee (University); H.H. Ross Award Selection Committee (NHS); Environmental Council (University); Advisory board, Campus Charitable Fund Drive; Chair, Committee on Natural Areas (University); Planning committee, Program in Ecology and Evolution (SIB); Search Committee, Behavioral Ecologist (SIB); Advisory council, Center for Advanced Studies (University)

1998-99 Dept. Promotion and Tenure; Library Committee (SOLS); Dept. Greenhouse (Chair); Head, Dept. Entomology and and SOLS Executive Committee/SIB Advisory Committee; Miller Endowment Committee (University); Research Policy Committee for the Vice Chancellor for Research (University); Honorary Degree Committee (University); Faculty/Student Senate (University); Endowed Appointments Committee (University); H.H. Ross Award Selection Committee (NHS); Biotechnology Council (University); Chair, Committee on Natural Areas (University); Advisory Council, Center for Advanced Studies (University); Limited submissions review panel (University); Search Committee, Associate Director, Center for Advanced Studies

1999-2000 Dept. Promotion and Tenure; Library Committee (SOLS); Dept. Greenhouse (Chair); Head, Dept. Entomology and and SOLS Executive Committee/SIB Advisory Committee; Miller Endowment Committee (University); Research Policy Committee for the Vice Chancellor for Research (University); Honorary Degree Committee (University); Faculty/Student Senate (University); Endowed Appointments Committee (University); H.H. Ross Award Selection Committee (NHS);

2000-2001 Biotechnology Council (University); Chair, Committee on Natural Areas (University); Advisory Council, Center for Advanced Studies (University); Limited submissions review panel (University); Search Committee, Associate Director, Center for Advanced Studies Dept. Promotion and Tenure; Library Committee (SIB); Dept. Greenhouse (Chair); Head, Dept. Entomology and Executive Committee/SIB; Provost's Committee on Gender Equity (University); Research Policy Committee for the Vice Chancellor for Research (University); Honorary Degree Committee (University); Faculty/Student Senate (University); H.H. Ross Award Selection Committee (NHS); Chair, Committee on Natural Areas (University); Advisory council, Center for Advanced Studies (University)

2001-2002 Dept. Promotion and Tenure; Library Committee (SIB); Dept. Greenhouse (Chair); Head, Dept. Entomology and and Executive Committee/SIB; Provost's Committee on Gender Equity (University); Research Policy Committee for the Vice Chancellor for Research (University); Honorary Degree Committee (Chair) (University); H.H. Ross Award Selection Committee (NHS); Chair, Committee on Natural Areas (University); Advisory Council, Center for Advanced Studies (University); Distinguished Faculty Achievement in International Studies (University); Chair, Search Committee, Endowed Chair in Toxicology (Department)

2002-2003 Dept. Promotion and Tenure; Library Committee (SIB); Dept. Greenhouse (Chair); Head, Dept. Entomology and Executive Committee/SIB; Provost's Committee on Gender Equity (University); Executive Committee, College of Liberal Arts and Sciences (LAS); H.H. Ross Award Selection Committee (NHS); Chair, Committee on Natural Areas (University); Advisory council, Center for Advanced Studies (University); Distinguished Faculty Achievement in International Studies (University); Chair, Search Committee, Endowed Chair in Toxicology (Department); Environmental Toxicology Steering Committee

2003-2004 Dept. Promotion and Tenure; Dept. Greenhouse (Chair); Head, Dept. Entomology and Executive Committee/SIB; Executive Committee, College of Liberal Arts and Sciences (LAS) (vice-chair); H.H. Ross Award Selection Committee (NHS); Chair, Committee on Natural Areas (University); Advisory Council, Center for Advanced Studies (University); Chair, Search Committee, Endowed Chair in Toxicology (Department); Search Committee, Insect Sociogenomics (Department); Environmental Council (Campus); Provost's Committee on Public Service and Public Engagement (Campus); Cell and Molecular Biology Training Grant Admissions Committee; Medical Scholars Program Steering Committee; Environmental Toxicology Steering Committee

2004-2005 Dept. Promotion and Tenure; Dept. Greenhouse (Chair); Head, Dept. Entomology and Executive Committee/SIB; H.H. Ross Award Selection Committee (NHS); Chair, Committee on Natural Areas (University); Advisory Council, Center for Advanced Studies (University); Search Committee, Arabidopsis genomics (IGB); Environmental Council (Campus); Cell and Molecular Biology Training Grant Admissions Committee; Medical Scholars Program Steering Committee; Environmental Toxicology Steering Committee; Chancellor Search Committee; Planet Earth Challenges to Survival Forum planning committee

2005-2006 Dept. Promotion and Tenure; Dept. Greenhouse (Chair); Head, Dept. Entomology and Executive Committee/SIB; H.H. Ross Award Selection Committee (NHS); Chair, Committee on Natural Areas (University); Advisory Council, Center for Advanced Studies (University); Cell and Molecular Biology Training Grant Admissions Committee; Medical Scholars Program Steering Committee; Environmental Toxicology Steering Committee; LAS Teaching Academy New Faculty Orientation, Allerton Park, Monticello, IL August 20, 2005; LAS Named Appointments committee; Chair, Campus Endowed Appointments Committee; Academic Leadership seminar, "How to run a successful department," Provost's Office, November 1, 2005; Campus Honors Program application review committee; Campus Charitable Fund Drive campus committee;

2006-2007 Dept. Promotion and Tenure; Dept. Greenhouse (Chair); Head, Dept. Entomology and Executive Committee/SIB; LAS Executive Committee (College); H.H. Ross Award Selection Committee (NHS); Chair, Committee on Natural Areas (University); Advisory Council, Center for Advanced Studies (University); Cell and Molecular Biology Training Grant Admissions Committee; Medical Scholars Program Steering Committee; Environmental Toxicology Steering Committee; Chair, Campus Endowed Appointments Committee; Advisory Committee, Vice President for Academic

2007-2008	Affairs (University), Campus Honors Program application review committee, Campus Charitable Fund Drive campus committee (co-chair 2006-7), Research Policy Committee (OVCR) Dept. Promotion and Tenure; Dept. Greenhouse (Chair); Head, Dept. Entomology and Executive Committee/SIB; LAS Executive Committee (College); H.H. Ross Award Selection Committee (NHS); Chair, Committee on Natural Areas (University); Advisory Council, Center for Advanced Studies (University); Cell and Molecular Biology Training Grant Admissions Committee; Medical Scholars Program Steering Committee; Search Committee, Medical Entomologist, Illinois Natural History Survey; Chair, Campus Endowed Appointments Committee; Campus Charitable Fund Drive campus committee (Chair), Research Policy Committee (OVCR)
2008-2009	Dept. Promotion and Tenure; Dept. Greenhouse (Chair); Head, Dept. Entomology and Executive Committee/SIB; LAS StAR Committee (College); H.H. Ross Award Selection Committee (NHS); Chair, Committee on Natural Areas (University); Advisory Council, Center for Advanced Studies (University); Medical Scholars Program Steering Committee; Chair, Campus Endowed Appointments Committee; Campus Charitable Fund Drive campus committee
2009-2010	Dept. Promotion and Tenure; Dept. Greenhouse (Chair); Head, Dept. Entomology and Executive Committee/SIB; LAS StAR Committee (College); H.H. Ross Award Selection Committee (NHS); Chair, Committee on Natural Areas (University); Advisory Council, Center for Advanced Studies (University); Campus Charitable Fund Drive campus committee; Vice-chair, Presidential Search Committee (University)
2010-2011	Dept. Promotion and Tenure; Dept. Greenhouse (Chair); Head, Dept. Entomology and Executive Committee/SIB; LAS Executive Committee; LAS StAR Committee (College); Medical Entomology Search Committee (NHS); Chair, Committee on Natural Areas (University); H.H. Ross Award Selection Committee (NHS); Campus Review of Doctoral Programs (VCR); Campus Leadership Retreat panel, "How To Maintain a Healthy Department," I-Hotel, August 16, 2010; Olga G. Nalbandov Endowment Committee; LAS Named Professorships Committee
2011-2012	Dept. Promotion and Tenure; Head, Dept. Entomology and Executive Committee/SIB; SIB Communications Committee; LAS Executive Committee; LAS StAR Committee (College); Chair, Committee on Natural Areas (University); H.H. Ross Award Selection Committee (NHS); Postdoctoral Affairs Committee (University)
2012-2013	Dept. Promotion and Tenure; Head, Dept. Entomology; SIB Executive Committee; SIB Communications Committee; Chair, Committee on Natural Areas (University); Ross Award Committee (UIUC-INHS); Biology Librarian Selection Committee (University); Siebel Chair-Historian of Science Search Committee (History); Centennial Scholars Selection Committee (LAS); Chancellor's Visualizing Excellence Seminar Committee
2013-2014	Dept. Promotion and Tenure; Head, Dept. Entomology; SIB Executive Committee; SIB Communications Committee; Chair, Committee on Natural Areas (University); Ross Award Committee (UIUC-INHS); Biocomplexity Theme Review Committee (Chair), Institute of Genomic Biology; Olga G. Nalbandov Symposium award committee
2014-2015	Dept. Promotion and Tenure; Head, Dept. Entomology; SIB Executive Committee; SIB Communications Committee; Chair, Committee on Natural Areas (University); Ross Award Committee (UIUC-INHS); Goldwater Scholarship Committee (Campus); Search Committee, natural areas technician, Committee on Natural Areas;

Professional Service

1982	Ad hoc Editor of Ecotoxicology, Ecology
1982-1985	Associate Editor of Entomology, American Midland Naturalist
1987-1989	Associate Editor, CRC Reviews in Plant-Insect Interactions
1990-1995	Associate Editor, Evolution
1990-	Associate Editor, Journal of Chemical Ecology
1990-	Associate Editor, Chemoecology
1998-	Editorial Board, Proceedings of the National Academy of Sciences
1996-	Editor, Annual Review of Entomology (Editor in chief, 1998-)
2006-	Founding Editorial Board Member, Journal of Arthropod-Plant Interactions
1989	Council member, American Genetic Association

1990-1992 Council member, International Society for Chemical Ecology
 1992 Member, Sewall Wright Award nominations committee American Society of Naturalists
 1994-1995 Vice President, American Society of Naturalists
 1994-1995 President, Council of Entomology Department Administrators
 1993-1994 American Association for the Advancement of Science, Nominating Committee (Biology Division)
 1995-1996 American Association for the Advancement of Science, Nominating Committee (Biology Division), chair
 1986, 1987, 1988, 1990 Panel member, USDA Competitive Grants Program, Entomology
 1994 Panel member, USDA Competitive Grants Program, Assessing Pest Control Strategies
 1987 Panel member, NSF Oversight Committee - Ecology Program
 1988 Panel member, NSF Presidential Young Investigator Advisory Panel
 1994 Panel member, NSF Population Biology Panel
 1996, 1997 Panel member, NSF Ecological and Evolutionary Physiology Panel
 1992-1993 Panel manager, USDA Competitive Grants Program Entomology Panel
 1994 Peer review panel, Boyce Thompson Institute Plant Protection Program (chair)
 1995 External reviewer, Dept. Entomology, Ohio State University
 1995-2000 Member, Board on Agriculture, National Research Council
 1996-1999 Member, Board on Environmental Studies and Toxicology, Nat. Research Council
 1996 Member, National Research Council Committee to review research-doctorates programs in agricultural sciences, October 26-27
 1997- Member, Office on the Public Understanding of Science, National Academy of Sciences
 1997-1998 Chair, OPUS Panel for the National Science Education Standards and Television Project
 1994- Board of Directors, Xerces Society
 1994-1995 Fulbright Selection Committee, Biology
 1996 External review committee, Dept. Entomology, Univ. Maryland
 1996 External review committee, Dept. Entomology, Cornell University
 1997 External reviewer, Graduate Group in Agricultural and Environmental Chemistry, University of California, Davis, CA
 1998-1999 Member, Board on Natural Resources and Conservation, State of Illinois
 1996-1999 Founder's Memorial Award Committee, Entomological Society of America
 1996-1998 Common Names Committee, Entomological Society of America
 1998 Common Names Committee, Entomological Society of America, chair
 1998-2000 National Awards Committee, North Central Branch, Entomological Society of America
 1998-1999 External review of biological programs, committee co-chair, Smithsonian Institution
 1998-2000 Chair, National Research Council Committee on the Future of Pesticides in Agriculture
 2000 Member, National Academy of Sciences Nominating Committee
 2001 Member, External Advisory Committee, Keck Center for Behavioral Biology, North Carolina State University
 1998 National Awards Committee, North Central Branch, Entomological Society of America
 2001-2004 Chair, Section 27, National Academy of Sciences
 2002- Member, Advisory Board, Joseph Henry Press Biographies of Women, Sept.
 2002- Member, Advisory Board, Joseph Henry Press Popular Science Series
 2002 Chair (w/ Terry Medley), Workshop on Eradication and Control of Invasive Species, Board on Agriculture and Natural Resources, Washington, DC, Nov. 15
 2002- Nominations Committee, Class II, American Academy of Arts and Sciences
 2003-5 Report Review Committee, NAS/NRC
 2003 External review committee, Dept. Environmental Science, Policy and Management, University of California at Berkeley, Berkeley, CA, March 12-14
 2003-2006 Chair, Board on Agriculture and Natural Resources, National Academy of Sciences
 2003 Selection Committee, National Academy of Sciences Keck Science Communication Award Committee
 2003 External Review Committee, Dept. Biology, University of Pennsylvania, May 22-23

2003 Selection Panel, 2003 ARS Science Hall of Fame Awards program, June 10

2003-2006 Temporary Nominating Group for Increasing Representation of Younger Members, Class II, National Academy of Sciences

2003-2004 Exernal Evolutionary Advisory Committee, Columbia University, New York, NY

2004 Selection Committee, National Academy of Sciences Keck Science Communiton, Award Committee

2004-2007 Council, National Academy of Sciences

2004-2005 Board of Directors, Conservation through Poverty Alleviation International (silk project)

2005 External Review Committee (Chair), Department of Biology, University of Nevada, Reno, NV, May 9-10, 2005

2005-2008 Report Review Committee, National Research Council

2005-2008 External Advisory Committee, Life Sciences, Cornell University, Ithaca, NY

2005-2006 Weizmann Institute Women and Science Nominations Committee, New York, NY

2005 USDA-NSF Interagency PI Meeting: Role of Applied and Basic Research in the Management of Biological Invasions” USDA-CSREES/NSF, October 17, 2005

2006 Chair, National Research Council Committee on the Status of Pollinators

2006 Kansas State University Targeted Excellence Program review; National Science Foundation Ecological and Evolutionary Physiology panel, April 23-26, 2006

2006-7 NAS Council designate to NAS Governing Board

2006 Search Committee for Editor-in-chief, Proceedings of the National Academy of Sciences

2006 Koshland Museum advisory board (NAS)

2006 Reviewer--draft chapter 4.1 of the USDA/APHIS - Biotechnology Regulatory Services (BRS) Draft Programmatic Environmental Impact Statement for the revision of its CFR Part 340 regulations

2006-7 Board of Directors, Xerces Society (President 2006-) Board of Directors, Conservation through Poverty Alleviation International (silk project) National Awards Committee, North Central Branch, Entomological Society of America, 1998- Member, Report Review Committee, National Research Council, 2003- Membership Committee, Class 2, American Academy of Arts and Sciences 2006 Advisory Board, Max Planck Institute of Chemical Ecology, Jena, Germany, 2003-2007 Elected member, Council, National Academy of Sciences, 2004-2007 Chair, National Research Council study on pollinator decline, 2005-2006 Koshland Museum advisory board (NAS) External Advisory Committee, Life Sciences, Cornell University, Ithaca, NY 2006- Weizmann Institute Women and Science Nominations Committee, New York, NY, 2006 Proceedings of the National Academy of Sciences: search committee for new editor 2006 NAS Council representative to National Academy of Sciences Governing Board 2006-7 Reviewer, draft chapter 4.1 of the USDA/APHIS - Biotechnology Regulatory Services (BRS) Draft Programmatic Environmental Impact Statement for the revision of its CFR Part 340 regulations

2007-8 Board of Directors, Xerces Society (President 2006-) Board of Directors, Conservation through Poverty Alleviation International (silk project) National Awards Committee, North Central Branch, Entomological Society of America, 1998- Member, Report Review Committee, National Research Council, Membership Committee, Class 2, National Academy of Sciences, Advisory Board, Max Planck Institute of Chemical Ecology, Jena, Germany, Koshland Museum advisory board (NAS), External Advisory Committee, Life Sciences, Cornell University, Ithaca, NY, Proceedings of the National Academy of Sciences Editorial Committee, At-large representative to National Academy of Sciences Governing Board

2008-9 Board of Directors, Xerces Society (President 2006-) Board of Directors, Conservation through Poverty Alleviation International (silk project) National Awards Committee, North Central Branch, Entomological Society of America, Member, Report Review Committee, National Research Council, Membership Committee, Class 2, National Academy of Sciences, Koshland Museum advisory board (NAS), External Advisory Committee, Life Sciences, Cornell University, Ithaca, NY, Proceedings of the National Academy of Sciences Editorial Committee, At-large representative to National Academy of Sciences Governing Board, President-elect, American Institute of Biological Sciences, 2008-9; Conservation Fellow, St. Louis Zoo; Selection Committee, E.O. Wilson Naturalist Awards, American Society of Naturalists 2007-10; National

- Academy of Sciences Evolution/Culture Symposium Advisory Board; National Academy of Sciences Science & Entertainment Exchange
- 2009-10 Board of Directors, Xerces Society (President 2006-), Board of Directors, Conservation through Poverty Alleviation International (silk project) National Awards Committee, North Central Branch, Entomological Society of America, Koshland Museum advisory board (NAS), External Advisory Committee, Life Sciences, Cornell University, Ithaca, NY, Proceedings of the National Academy of Sciences Editorial Committee, President, American Institute of Biological Sciences, 2008-9; Conservation Fellow, St. Louis Zoo; Selection Committee, E.O. Wilson Naturalist Awards, American Society of Naturalists 2007-10; National Academy of Sciences Evolution/Culture Symposium Advisory Board; National Academy of Sciences Science & Entertainment Exchange; Chair, National Research Council Committee on the Classification of the Light Brown Apple Moth
- 2010-11 Board of Directors, Xerces Society (President 2006-), Board of Directors, Conservation through Poverty Alleviation International, National Awards Committee, Entomological Society of America, Koshland Museum advisory board (NAS), Proceedings of the National Academy of Sciences Editorial Committee, Journal of Chemical Ecology editorial committee, Annual Review of Entomology Editor-in-chief; E.O. Wilson Naturalist Awards, American Society of Naturalists 2007-10; National Academy of Sciences Evolution/Culture Symposium Advisory Board; National Academy of Sciences Science & Entertainment Exchange; Past President, American Institute of Biological Sciences, National Research Council Division of Earth and Life Sciences Advisory Board; President, Council of Entomology Department Administrators; Council, International Congress of Entomology; Cozzarelli Prize Committee, Proceedings of the National Academy of Sciences; External review committee, Dept. Ecology and Evolutionary Biology, Yale University, New Haven, CT; 2010 AAAS Early Career Award for Public Engagement with Science Selection Committee, 2010-2011; L'Oréal USA Fellowships for Women in Science Jury; Monitor, National Research Council Study Committee on Use of Mycoherbicides, 2011; President's Council of Advisors on Science and Technology, Strategy workshop, May 26, 2011
- 2011-2012 Board of Directors, Xerces Society (President 2006-), Board of Directors, Conservation through Poverty Alleviation International, Koshland Museum advisory board (NAS, Chair 2011-), Board of Directors American Association for the Advancement of Science, Proceedings of the National Academy of Sciences Editorial Committee, Journal of Chemical Ecology editorial committee, Annual Review of Entomology Editor-in-chief; National Academy of Sciences Evolution/Culture Symposium Advisory Board; National Academy of Sciences Science & Entertainment Exchange; National Research Council Division of Earth and Life Sciences Advisory Board; Council, International Congress of Entomology; National Research Council Report Review Committee, 2012-2014; AAAS Early Career Award for Public Engagement with Science Selection Committee, 2011-2012; L'Oréal USA Fellowships for Women in Science; Global partnership promoting Science Education through Engagement Board of Advisors GSEE/Illinois; Member, Board of Directors/Council, American Association for the Advancement of Science
- 2012-2013 Board of Directors, Xerces Society (President 2006-), Board of Directors, Conservation through Poverty Alleviation International, Koshland Museum advisory board (NAS, Chair 2011-), Proceedings of the National Academy of Sciences Editorial Committee, Journal of Chemical Ecology editorial committee, Annual Review of Entomology Editor-in-chief; National Academy of Sciences Science & Entertainment Exchange; National Research Council Division of Earth and Life Sciences Advisory Board; National Research Council Report Review Committee 2012; Council, International Congress of Entomology; American Association for the Advancement of Science Early Career Public Engagement Award Committee, 2012; Member, American Association for the Advancement of Sciences Board of Directors, 2012-2014; Global partnership promoting Science Education through Engagement Board of Advisors GSEE/Illinois, 2012; Chair, Keck Communications Committee (NAS); US EPA FIFRA Scientific Advisory Panel on Bees and Pesticides, September 2012; National Stakeholders Conference on Honey Bee Health Committee, October 2012; Chair, Keck Communications Awards Committee, National Academy of Sciences; Chair, Public Interfaces Round Table, Division of Earth and Life Studies, National Research Council

- 2013-2014 Vice-President Elect, Entomological Society of America, Board of Directors, Xerces Society (President 2006-2014), Board of Directors, Conservation through Poverty Alleviation International, Koshland Museum advisory board (NAS, Chair 2011-), Proceedings of the National Academy of Sciences Editorial Committee, Journal of Chemical Ecology editorial committee, Annual Review of Entomology Editor-in-chief; National Academy of Sciences Science & Entertainment Exchange; National Research Council Division of Earth and Life Sciences Advisory Board; National Research Council Report Review Committee; Council, International Congress of Entomology; Member, American Association for the Advancement of Sciences Board of Directors, 2012-2014; Global partnership promoting Science Education through Engagement Board of Advisors GSEE/Illinois, 2012; Chair, Keck Communications Committee (NAS); Chair, Keck Communications Awards Committee, National Academy of Sciences; External Advisory Committee for the Biology Directorate National Science Foundation;
- 2014-2015 Vice President Entomological Society of America, Scientific advisor, Provivi; Board of Directors, Conservation through Poverty Alleviation International, Koshland Museum advisory board (NAS, Chair 2011-), Proceedings of the National Academy of Sciences Editorial Committee, Journal of Chemical Ecology editorial committee, Annual Review of Entomology Editor-in-chief; National Academy of Sciences Science & Entertainment Exchange; National Research Council Division of Earth and Life Sciences Advisory Board; Council, International Congress of Entomology; Member, American Association for the Advancement of Sciences Board of Directors, 2012-2015; Chair, Keck Communications Committee (NAS); External Advisory Committee for the Biology Directorate National Science Foundation; Board of Reviewing Editors, Science Magazine

Reviewing

Journals

Acta Oecologica; African Journal of Food Science; American Entomologist; American Midland Naturalist; American Naturalist; American Zoologist; Annals of the Entomological Society of America; Apidologie; Archives of Biochemistry and Biophysics; Archives of Insect Biochemistry and Physiology; Biochimica Biophysica Acta; BioEssays; Biology Letters (Royal Society); BioScience; Biotropica; Brains Behavior and Immunity. Canadian Journal of Zoology; Cellular and Molecular Life Sciences; Clinical Infectious Disease; Comparative Biochemistry and Physiology Ecology; Ecology; Ecotoxicology and Environmental Safety; Economic Botany; Entomologia Experimentalis et Applicata; Entomological News; Environmental Entomology; Evolution; Environmental Microbiology and Environmental Microbiology Reviews; European Journal of Entomology; Experientia; Fish Physiology and Biochemistry; Frontiers in Ecology and the Environment; Functional Ecology; Gene; Genetica; Insect Biochemistry and Molecular Biology; Insect Molecular Biology; International Wildlife; Journal of Agricultural and Food Chemistry; Journal of Animal Ecology; Journal of Arid Environments; Journal of Biochemical and Molecular Toxicology; Journal of Chemical Ecology; Journal of Economic Entomology; Journal of Ethnopharmacology; Journal of Insect Behavior; Journal of Insect Physiology; Journal of Invertebrate Pathology; Journal of Natural Products; Journal of the Kansas Entomological Society; Journal of the Lepidopterists' Society; Marine Ecology Progress Series; Molecular Breeding; Molecular Ecology; Natural Products and Health; Nature; New Phytologist; Oecologia; Oikos; Paleobiology, Physiological Zoology; Phytochemistry; Phytoparasitica; Plant Cell and Environment; Plant Cell Reports; Plant Physiology; PLoS ONE; Proceedings of the National Academy of Sciences; Proceedings of the Royal Society of LondonB; Quarterly Review of Biology; Radiation Research; Revista Colombiana de Entomologia; Science; Soil Biology and Biochemistry; The Plant Journal; Trends in Ecology and Evolution

Grant programs

National Science Foundation Ecology
 National Science Foundation Ecological/Evolutionary Physiology
 National Science Foundation Systematic Biology
 National Science Foundation Metabolic Biology
 National Science Foundation Chemistry of Life Processes
 National Science Foundation Biological Instrumentation
 National Science Foundation Population Biology
 National Science Foundation Psychobiology
 National Science Foundation Division of International Programs

U.S.D.A. Competitive Grants Program--Plant Biology and Human Nutrition Program
U.S.D.A. Bi-National Agricultural and Development Fund
U.S.D.A. Small Business Innovative Research Grant Program
USDA Forest Biology Program
T.F. and K.M. Jeffress Research Grant-Sovran Bank and VA Academy of Science
Smithsonian Scholarly Studies Program
Strategic Grants Program/Natural Science and Engineering Research Council of Canada, Food/Agriculture Area
Natural Science and Engineering Research Council/Cell Biology and Genetics
National Geographic Society
MONTS (Montanans on a New Trac for Science)
Basic Research Foundation, Israel Academy of Sciences and Humanities
National Institutes of Health, Behavioral Medicine Special Emphasis Panel
American Association for the Advancement of Science L'Oreal Women in Science Fellowship selection committee
2011-2013
American Philosophical Society Lews and Clark Grants Program
American Philosophical Society Franklin Research Grant Program
Netherlands Research Council on Earth and Life Sciences
South Carolina EPSCoR Program and BRIN Collaborative Research Program
Center for Advanced Study in the Behavioral Sciences (2003)
National Research Council
Reviewer for: National Academy of Sciences Committee on Environmental Impacts Associated with
Commercialization of Transgenic Crops, 2001
French National Research Agency (ANR: <http://www.agence-nationale-recherche.fr/Intl>) 2009, 2012
Israel Science Foundation (2010)
King Abdullah University Science and Technology program (2011, 2012)
Agence Nationale de la Recherche (France) Programme Contaminants et Environnements: metrologie, sant , adaptibilite, comportements et usages
Open Programme of the NWO Research Council for Earth and Life Sciences (2013) (Netherlands Organization for Scientific Research)

Publishers

2005 Sinauer—review of ecology section of Purves et al. Life biology textbook
2008 Oxford Press—review of two book manuscripts; Bloomsbury Press—review of one book manuscript
2009 Harvard University Press—review of one book manuscript
2013 Oxford University Press—review of one book manuscript

Judge

Student paper competition, Entomological Society of America National Meeting, Dec. 1985, Dec. 1989

Consulting

Mars, Inc. edible insects conference August 30, 2011; Provivi, Scientific advisor, 2014-

Membership in Professional Societies

American Association for the Advancement of Science; Sigma Xi; Entomological Society of America
Ecological Society of America; International Society for Chemical Ecology; Society for the Study of Evolution
Phytochemical Society of North America (invited member 1985-1995); Lepidopterists Society; American Institute of Biological Sciences

Public Service/Continuing Education

1981 Script for slide presentation, "Natural History of Illinois--a perspective," presented locally at Illini Union, Anita Purves Nature Center, Natural History Survey, Audubon Society, and shown throughout the Midwest at over thirty educational institutions.
1982- WILL-AM, "Focus 580" phone-in show, "Insect facts and insect natural history," Aug. 6, 1982; May 28, 1985; May 30, 1986; Aug. 5, 1986; Feb. 20, 1987; June 17, 1987; Aug. 17, 1987; Feb.

- 25, 1988; July 26, 1988; Sept. 22, 1988; Feb. 24, 1989; May 18, 1989; Aug. 16, 1989; April 23, 1990; July 13, 1990; Oct. 9, 1990; Feb. 22, 1991; April 24, 1991; June 12, 1991; Feb. 22, 1992; June 2, 1992; Aug. 7, 1992; Feb. 25, 1993; April 23, 1993; July 5, 1993; Aug. 18, 1993; Feb. 24, 1994; May 6, 1994; June 23, 1994; Feb. 23, 1995; May 11, 1995; July 17, 1995; Sept. 19, 1995; Feb. 22, 1996; April 23, 1996; July 11, 1996; Sept. 12, 1996; Feb. 20, 1997; May 1, 1997; June 17, 1997; Aug. 22, 1997; Feb. 24, 1998; May 20, 1998; Aug. 20, 1998; Feb. 18, 1999; May 25, 1999; Aug. 12, 1999; Feb. 22, 2000; April 6, 2000; June 28, 2000; Oct. 5, 2000; Feb. 20, 2001; May 24, 2001; Aug. 22, 2001; MISSING, Feb. 12, 2003; July 9, 2003, Feb. 24, 2004. June 24, 2004; February 17, 2005; August 24, 2005; February 10, 2006; see listings for 2006 on WEFT-FM 90.1, "Those amazing insects," continuing weekly series of 5-minute spots on insects (1985 winner of "Outstanding Short Program" award)
- 1982-1989
- 1983 Nature walks for naturalists at Homer Lake Forest Preserve, Sept. 28
- 1984 First Annual Insect Fear Film Festival, March 23-24, sponsored by the Department of Entomology and the Entomology Graduate Student Association
 "Insects as Chemists", 45-minute slide presentation for Audubon Society, April 6
 Statewide Radio Service interview-UIUC (T. Jones, May 8, 1984; R. Nellis, Sept. 16, 1986)
 PM Magazine," WCIA-TV Channel 3 interview about insects, June 7
 "Bug drugs--Medicinal uses of insects," Biomedical Careers Program, Rutgers University-Piscataway, NJ, July 18
 Canadian Broadcasting Corporation, 30-minute television broadcast on chemical ecology (Filmed August 14-16, aired Nov. 6, 1985 in Canada)
- 1985 Second Annual Insect Fear Film Festival, Feb. 22-23
 "What's eating you? Insect medical pests," Biomedical Careers Program, Rutgers University-Piscataway, NJ, June 5
 Review for Harcourt, Brace, Jovanovich introductory biology textbooks; Review for Wadsworth Publishing Co., introductory ecology textbook
 "Mother Nature's munitions plants", 45-minute slide presentation for Audubon Society, Dec. 3
- 1986 Third Annual Insect Fear Film Festival, Feb. 21-22
 Review of advanced evolution text for Oxford University Press; review of ecology text for Wadsworth Publishing Co.; review of nonmajors biology text for Sinauer Associates
 Local panel member for Sigma Xi Teleconference on Biodiversity
 "Insect trick or treat", Ladies' Art Club of Champaign
 Lecture-demonstration for Saturday Scholars, Plainfield School District, Plainfield, IL, Nov. 15
- 1987 Fourth Annual Insect Fear Film Festival, Feb 20-21
- 1987 Review of nonmajors biology text for Times-Mirror-Mosby
 Lecture-demonstration for Corridor Program, Naperville School District, Naperville, IL, Oct. 24
 University High School Science Club, Sept. 28
- 1988 "Cellar dwellers," Audubon Sunday Series, Jan. 24
 Fifth Annual Insect Fear Film Festival, Feb. 26-27
 Champaign Nursing Home, "Insects and Music," Spring 1988
 Review of entomology book prospectus for Methuen
 Urbana Rotary, "Don't bug me, I'm an entomologist", June 28
 Presentation for Columbia Middle School Science Class, Sept. 29
- 1988-89 National Geographic Society consultant
- 1989 Lecture-demonstration for Saturday Scholars Program, Belleville School District, Belleville, Illinois, Feb. 18; Illinois Mathematics and Science Academy, Jan. 28; Champaign-Ford Counties, Danville Area Community College, March 18; Glenbrook North High School, Northbrook, IL., May 13
 "Winter Insects" Anita Purvis Nature Center, Urbana Park District, Feb. 21
 Sixth Annual Insect Fear Film Festival, Feb. 25
 UIUC Admissions office "Meet the Faculty," July 13
 Veterinary Nonacademic Employee awards ceremony, "Non-acs, gnats and nibblers," Sept. 13
 YMCA "Know your university" seminar, "Insects and culture," Oct. 31
 Illinois Science Teachers Association Convention, "The American insect melting pot," Nov. 3

- Illinois Mosquito Vector Control Association meeting, "Mosquitoes in the movies," Oct. 12
 E. Illinois Vet. Med. Assoc. banquet, "Pet peeves - insect veterinary problems," Dec. 7
- 1990 Sierra Club, "Insects as endangered species," Feb. 15
 "Insects: Aliens from Planet Earth," William Staerkel Planetarium, Parkland College, Feb. 3
 "Bugs in the Bible," Sinai Temple, Feb. 11
 "Insects as herb fanciers," Urbana Herb Society, Feb. 7
 Seventh Annual Insect Fear Film Festival, Feb. 24
 "Insect walk," UIUC Alumni Association Camp, Allerton Park, Monticello, IL, Aug. 2
 Afternoon Digest, WILL-AM, June 13
- 1991 Review of textbook for University of Arizona Press
 Eighth Annual Insect Fear Film Festival, Feb. 24
 Saturday Science Program, Mahomet School District, March 16
 Champaign Medical Society, April 11
 National Academy of Science Advisory Panel, "Infinite Voyage", PBS
 University High School Summer Camp, June 28
 Saturday Scholars Program, Plainfield Community Consolidated Schools, Oct. 12
- 1992 Campus Round Table, Feb. 13
 Indian Prairie Educational Foundation, Waubonsie Valley High School, Naperville, IL, March 20,
 Plenary speaker, Peoria Academy of Science annual meeting, Peoria, IL, April 10
 "Treehouse Radio," WILL AM 580, June 29
 "Backyard beasts," Carrie Busey elementary school, July 3
 Review of text for Grolier's Book of Knowledge
 Illini Excursions, Faculty-student horseback ride, Moraine View State Park, Sept. 13
 Organization of Women in Science, panel discussion on academic career choices, Sept. 16
- 1993 Leal School Science Enrichment Program, "Smelly bugs and why they smell," March 17
 Review of textbook revision, C. Krebs, "Ecology" Harcourt Brace Jovanovich
 Tenth Annual Insect Fear Film Festival, Feb. 27
 "Illinois Beginning with Women" Conference member of "Professional and Personal Lives of
 Women Scientists" panel
 College of Liberal Arts and Sciences Jubilee Lecture, "Plant secondary metabolism: (plant) sex,
 (human) drugs, and (insect) rock and roll," Nov. 23
 Review of article for Prevention Magazine
- 1993 Scientific advisor to Marco Visalberghi, Paneikon Films, Rome, Italy (nature documentary for
 television)
- 1994 Eleventh Annual Insect Fear Film Festival, Feb. 26
 "Insects for lunch," Champaign Noon Kiwanis, April 14
 Interview on "Whaddya Know," Wisconsin Public Radio, April 23
 "Bugs in business," Clinton Rotary, May 2
 Presentation for Washington School third graders, May 5
 Howard Hughes Awards banquet, School of Life Sciences, "Images of the scientist -- moving and
 otherwise," April 28
 Champaign Lions Club, "Insects for lunch," Aug. 17
 Champaign County Forest Preserve, Homer Lake Volunteer Appreciation Day, "Insect invaders,"
 Sept. 1
 Scientific advisor, script consultant, Kinetic City Super Crew (AAAS)
 Scientific advisor/script consultant, National Geographic Television
 UIUC Alumni Association, "Insects--Aliens from Planet Earth" UIUC Natural History Museum,
 Sept. 25
 Creative Discovery Preschool, "Insects are such fussy eaters," Sept. 27
- 1995 Interview, "Fresh Air with Terry Gross," NPR, Feb. 21
 Twelfth Annual Insect Fear Film Festival, Feb. 25
 Sigma Xi Induction Ceremony, "Entomophobia," April 25
 UIUC Biology Club, "Model insects in biology," April 26
 Scientific advisor, National Geographic Television

- Insect get-acquainted, Parkland College for Kids, July 5
 Illinois State Teachers Association, Keynote speaker, Springfield, IL, Sept. 29
 Creative Discovery PreSchool, "Insect chemists," Sept. 26
 Countryside School, "Insects--good, bad, and ugly," presentation for fourth and fifth graders, "Do you eat like a bug?" presentation for second and third graders, Oct. 19
 Champaign Public Library Writers Live series, "Buzzwords and beelines: writing about insects," Oct. 24
- 1996
 University of Illinois Illini Days, faculty presentation, Oct. 27
 Thirteenth Annual Insect Fear Film Festival, Feb. 24
 Eleventh Annual Enhancing Chemistry Conference, "Plant chemical warfare," Beckman Institute, March 8
 Discovery Place Children's Museum, "Fun with insects," 90-minute program, April 6
 In-Depth Look faculty, UIUC Admissions Office, April 16
 Leal School, "What's a bug?" K-2, and "Real life insect monsters," Grades 3-5, May 6
 Carle Pavilion, resident children, "Moths and Mothra," May 10
 Bresnan Senior Center, "Summer insects," June 21
 Champaign Public Library, "An earful of corn insects," July 8
 Advisor, CBC documentary on prairie insects (Ray Burley, director)
 Urbana Exchange Club, "Insects--good, bad, and indifferent," Aug. 7
 Insect Expo, UIUC Stock Pavilion, Sept. 28
 J. W. Powell Audubon Society, Normal Public Library, Nov. 10
 "Insect homes and habitats," Colonel Wolfe School, K/1, Dec. 18
- 1997
 "Insect Fear Films," Campus Round Table, Feb. 13
 Fourteenth Annual Insect Fear Film Festival, Feb. 22
 "Plant-insect interactions," Natural Areas Study Group, Anita Purvis Nature Center, Urbana, IL, Feb. 18
 Meet the faculty, Florida Avenue Residence Hall Evening Program, March 17
 "I Love to Read" about insects, Thomas Paine Elementary School, Urbana, IL, April 10
- 1997
 Career Day, "Being a scientist," Urbana Middle School; 30 minute presentations to three 8th grade classes, April 17
 Dial Club, "Gut reactions--how caterpillars eat plants," April 22
 Parkland College for Kids, "Insects on the move," June 17
 "Insects--getting a leg up on the competition," Urbana Park District Summer Camp, Anita Purves Nature Center, Urbana, IL, July 1
 "How insects wing it," Urbana High School Summer Bridge Program, Urbana, IL, July 16
 "Insects," Kaufman Lake Day Camp, Champaign, IL, July 18
 Panelist, "Improving diversity and inclusivity in the field of science," Howard Hughes Undergraduate Program, Aug. 4
 "Honey as a nutraceutical," UIUC Short Course for Beekeepers, Aug. 23
 "Books, bugs, and badinage," Illinois Association of College Booksellers, Oct. 14
 Panel on "Achieving balance in your life," CIC Women in Science and Engineering Student Leadership Conference Program, UIUC, Nov. 16
 Champaign County Audubon Society, "The birds and the bees and the other bugs," Dec. 4
- 1998
 Scholars Day, Opportunities for female undergraduates in science at UIUC, Dec. 6
 "How insects eat plants," Holy Cross Brownie Troop 388, Champaign, IL, Jan. 22
 "Alien biology," William Staerkel Planetarium, Parkland College, Champaign, IL, Feb. 6
 Review of popular science book on forensic entomology for Harvard University Press
 "Insects in the herb garden," Monticello Herb Society, Allerton Park, Feb. 22
 Professor-at-lunch, Armory House, March 31
 "Dr. Bambi Berenbaum and real women entomologists," Home Hi, Urbana, IL, April 9
 "I Love to Read" books about insects, Thomas Paine Elementary grades 4/5, April 9
 "Aquatic insects are all wet," Izaak Walton League State Convention, Urbana, IL, April 18
 Consultant on "Man Eating Bugs," by Peter Menzel and Faith Menzel
 Master Naturalist class on insects, Anita Purvis Nature Center, Urbana, IL, June 14

- Milt Rosenberg show, WGN Chicago (2-hour phone-in), July 21
 "Insect asides," Danville Garden Club, July 28
 Review of popular entomology text, Oregon State University Press
 Consultant, Ranger Rick Magazine
- 1999 "Opportunities in wildlife biology," Troop 534 Green Meadow Girl Scout Troop, Feb. 22
 Natural History New Zealand interview, (for Animal Planet), March 22
 "I Love to Read" about insects, Mrs. Mann's 3rd grade, Thomas Paine Elementary School, April 8
 "Human parasites," Champaign Medical Society, Urbana, IL, April 8
 "How to Raise Bugs for Science and Fun," Tiger Cubs, Urbana, IL, April 19
 "Insects--we've got a million of 'em!" Learning Tree elementary school, April 27
 Fact checking for Click Magazine article on ants, April 16
 "Butterflies and caterpillars," Nature Day Camp, Anita Purvis Nature Center, Urbana, IL, June 18
 "Amazing insects," Earthscope Camp, Anita Purvis Nature Center, Urbana, IL, June 23
 "Baby bugs," Purple Room, Caring Place Summer Camp, Urbana, IL, July 8
 Review of text about mantis rearing for Johns Hopkins Press
 "Prairie insects," presentation to Tiffany Clark's Grade 3/4 class Leal School, Urbana, IL, Sept. 10
 "Prairie plants," accompanied Tiffany Clark's Grade 3/4 class at Leal School, Urbana, IL on tour of Meadowbrook Prairie, Sept. 14
 "Insect diversity," Countryside School Grades 2/3, Champaign, IL, Sept. 16
 Interview, "The Power of Ideas," television program in Norman, OK, Oct. 15
- 2000 Consultant and fact-checker, SuperScience Scholastic Magazine, Jan.
 Focus 580, WILL AM, Feb. 22
 "Let's rustle up some grubs!" Home Hi School, Feb. 23
 Consultant and interviewee, National Geographic "The Shape of Life"
 17th Annual Insect Fear Film Festival, UIUC, Feb. 26
 WHCU AM Radio, Ithaca, NY, "Chemical ecology," April 13
 Mrs. Smith's fifth grade, Leal Elementary School, "What do insects eat?" April 18
 Bug-o-rama, Orpheum Children's Science Museum, Champaign, IL, June 17
 Urbana Park District Nature Daycamp, Anita Purvis Nature Center, Urbana, IL, June 23
 Focus 580, Radio talk show, WILL-AM, June 28
 American Communications Institute ("The Osgood Files") consultant
 Review of manuscript, "Field Guide to Butterflies of Illinois," for Illinois Natural History Survey Publications
 UIUC Extension Annual Conference workshop, "Dancing in the genetically engineered mine fields: communicating with media with different agendas," Oct. 26
 Review of manuscript for Natural History Magazine, Nov. 8
 "Plants and habitats," UIUC Conservatory tour for Mr. Huff's fourth grade class, Leal Elementary School, Dec. 11
 Review of "Insects in Question," book proposal for Smithsonian Institution Press
 Review of butterfly book prospectus for Johns Hopkins Press
- 2001 UIUC Chancellor's Conference, "The Contemporary Land-Grant University and the Challenge of Public Service," reactor, Jan. 31
 18th Annual Insect Fear Film Festival, Feb. 24
 CU Foundation Science Buddies program, Nancy Chick's self-contained gifted grade 3-4, Dr. Howard Elementary School, "Insects and the food web," April 24
 "Birds and Nature with Scott Shalaway," WPPT 1360 AM Pittsburg, PA radio interview March 23
 "I Love to Read Day," at Thomas Paine Elementary School, 4th grade class, "Sea monkey and other arthropod pets," April 11
 Fact-checking and script consulting for Robert David, Disney Productions, for animated television series
 "Competition, predation, and symbiosis," Home Hi 7/8 grade science, Oct. 31
 Parenting Magazine, consulting on article about insects in gardens, Dec. 3
- 2001 Script consultant, "Stanley," Disney Studio, Dec

- 2002
- “Insect parasites and other unwelcome presents,” lecture at Home Hi, Dec. 17
 - 19th Annual Insect Fear Film Festival, UIUC, Urbana, IL, Feb. 9
 - “Useful insects, to spin and dye for,” lab exercise for Home Hi Middle School, Feb. 13
 - Fact-checking and script consulting for Robert David, Disney Productions, for animated television series, “Stanley”
 - “Bug poetry,” I Love to Read Day, Thomas Paine Elementary School, Mrs. Hamilton’s first grade class, April 12
 - “Joyful Noises, insect style,” Home Hi 5th/6th grade, May 1
 - “Insects in white hats—beneficial insects in the garden,” Classified Employees Association Luncheon, UIUC, May 2
 - “Follow your dreams...even if you end up as an entomologist,” First Presbyterian Church, May 5
 - “How to raise and train insects,” Home Hi, May 24
 - “Environmentally speaking with Bob Lebensold,” WVOX 1460 New Rochelle (guest interview), May 28
 - Focus 580, WILL AM, May 30
 - Advisor to “Rats, Bats, and Bugs,” History Channel documentary (Chris Gidez), June Circle Academy (Cunningham Children’s Home), Insectary tour, July 9
 - Beetlemania, Orpheum Children’s Science Museum, Champaign, IL, Aug. 3
 - Focus 580 WILL AM, Insect phone-in show, Aug. 5
 - UIUC Beekeeping short course, “Nutraceutical value of honey,” Urbana, IL, Aug. 17
 - “From entomophobe to entomophile,” Prairie Flowers program, St. Patrick’s Church, Sept. 25
 - “Monster on the Campus,” Mid-America College Health Professionals Conference, UIUC, IL, Nov. 4
- 2003
- “Metamorphosis,” Phi Kappa Phi induction, UIUC, IL, Nov. 11
 - Consultant, Martha Stewart Kids Magazine, issue on insects, Jan.
 - Know Your University, “Inside the Insect Fear Film Festival,” YMCA, Feb. 11
 - “Bees in business,” Home Hi Middle School for Girls, Feb. 12
 - Focus 580, WILL-AM radio phone-in show, Feb. 13
 - 20th Annual Insect Fear Film Festival, Feb. 15
 - Girlzone, “Insects, behave yourselves!” March 22
 - Interview with Patricia Murphy of Pattycake Productions for a childrens' book on entomologists and their careers, March
 - College of Liberal Arts and Sciences “Incomplete thoughts on the Incomplete List,” Teaching Awards banquet, April 9
 - “Plant-insect interactions—the bugs and the bees,” Home Hi Middle School for Girls, April 14
 - “Spring into butterflies,” St. Joseph’s Women’s Club, April 21
 - After-dinner remarks, Appreciation evening for Dean Jesse Delia, May
 - Insect Safari, Nature Day Camp, Urbana Park District Anita Purvis Nature Center, June 16
 - “Picnic insects,” Orpheum Children’s Science Museum, Weekend Wizards Program, July 12
 - Fact checking, “I Like Science,” Studying Insects with a Scientist,” by Patricia Murphy, Enslow Pub. Inc.
 - Focus 580 radio show, WILL AM, Aug. 27
 - Illinois Program of Research in the Humanities panel: “The Challenge of Creationism,” Sept. 8
 - “Invasive species—bees and mites,” Home Hi 7th/8th grade science class, Oct. 7
- 2004
- “Insect hide and seek,” 4th/5th grade, Martin Luther King School, Urbana, IL, Feb. 5
 - “Insects—aliens underfoot,” Torch Club, Champaign, IL, Feb. 9
 - “Native American entomophagy,” Home Hi Middle School for Girls, Urbana, IL, Feb. 18
 - Focus 580, WILL AM-580, Insect Fear Film Festival and other entomological issues, Feb. 24
 - “Exploring the insect colonies,” 6/7 grades, Home Hi, Feb. 27
 - Alfred P. Sloan Foundation Public Understanding of Science film project—script reader
 - Reading, “Fly on the wall,” Publication launch of Ninth Letter, UIUC, Urbana, IL April 16, 2004;
 - Wildlife Medical Clinic, UIUC Veterinary College, “Turnabout is fair play—insect conservation,” April 28, 2004; Focus 580 WILL AM, June 24, 2004; Keynote speaker, Illinois Master Gardeners annual meeting, Decatur IL September 12, 2004

- 2005 Celebrity judge, Cub Scout Troop cake bake-off, January 24, 2005; February 17, 2005, WILL AM 580, Focus 580, insect phone-in show; February 19, 2005, 22nd Annual Insect Fear Film Festival; Café Scientifique, Unitarian Church, Gainesville, FL, March 26, 2005; Girls Club of the Orpheum Children’s Science Museum spring tea May 7, 2005 (advisory board); Class of 1975 Reunion Panel Discussion on Bioterrorism, Yale University, New Haven, CT. May 28, 2005; BioBlitz, dragonflies, Anita Purves Nature Center, Urbana, IL, June 25, 2005; Champaign County Lions Club, Insects: Aliens from Planet Earth, July 20, 2005; “Bugs in the Bible,” Sinai Temple Summer Camp, August 11, 2005; Summer insects, Focus 580, WILL AM 580, August 24, 2005; “Edible insects,” Erin Broadrick’s 2nd grade class, Barkstall Elementary, Champaign, IL August 29, 2005
- 2006 Focus 580, WILL AM 580, February 10, 2006; 23rd Annual Insect Fear Film Festival, February 17, 2006; Prairie School Girl Scout troop, February 23, 2006; Focus 580 WILL AM May 26, 2006; “Insects in the News,” BigTenPlus News Directors annual gathering, June 8, 2006; Forensic entomology unit, Forensic Science Camp, Orpheum Children’s Science Museum, July 20, 2006; Focus 580, WILL AM 580, August 1, 2006; Chicago Humanities Festival November 11, 2006 (Loyola University)
- 2007 Focus 580 WILL AM 580 February 22, 2007; 24th Annual Insect Fear Film Festival February 24, 2007; Worth/Freeman Biology Teaching Workshop, Innovations in biology instruction, Freeman Sinauer “Incorporating popular culture into biology education,” March 9, 2007, Chicago, IL; Science Fridays with Ira Flatow, 3/9/07; KQED San Francisco Forum with Dave Iverson, March 9, 2007; March 9, 2007; Testimony, House Subcommittee on Horticulture and Organic Agriculture, March 29, 2007; media interviews too numerous to recount April-June, including Public Radio International, WBBM Chicago, NPR Morning Edition, WTAO, the Roseanne Barr show, FoxNews St. Louis, RFD Radio Network, New York Times, Smithsonian, Chemistry and Engineering News, Science Magazine, Marketwatch.com, and PBS Television; Focus 580 AM 580, May 29, 2007; June 9, 2007 Midwest Beekeeping Symposium, Crystal Lake, IL (1 talk on pollinators, 1 talk on honey as nutraceutical); Focus 580 June, 2007; CFAR Hill Lecture Series, National Pollinator Week, June 25, 2007; Testimony, House Committee on Natural Resources, June 26, 2007; Focus 580, August 9, 2007; Champaign West Rotary, Bees CCD and the GNP, August 15, 2007; Urbana Rotary, Bees and pollination, August 21, 2007; TV Ontario, The Agenda with Steve Paikin, taped September 24, 2007; Saturday Night Live at Clark Lindsey, “Where did all the bees go?” October 13, 2007; Focus 580, WILL AM 580, October 22, 2007; Sinai Temple Chai Senior Group, “Plight of the Bumble Bees,; December 5, 2007
- 2008 Series of 8 lectures, Osher Lifelong Learning Center, “Don’t Bee Afraid—all about bees”), January 31-March 11, 2008; “The ABeeCs of Illinois Bees,” Agora Week class, University Laboratory High School, February 19-22, 2008; 25th Annual Insect Fear Film Festival, UIUC, Urbana, IL February 23, 2008; “Hi, honey!” Girl Scouts Prairie School chapter, February 28, 2008; Women in Power panel, Women in Math, Science and Engineering UIUC, March 24, 2008; Mick Kjar show, KQLX, Fargo North Dakota, Colony Collapse Disorder April 2, 2008; Senate briefing, Pollination and Agricultural Security, April 9, 2008; “Status of pollinators: a report and a response,” Beekeeping Short Course, UIUC, April 12, 2008; “Naked Beauty,” Disney Nature film project; Advisor, “Queen of the Sun,” Taggart Siegel; Keynote lecture, “Colony Collapse Disorder,” Associated Illinois Milk, Food and Environmental Sanitarians annual meeting, Bloomington IL, May 6, 2008; Focus 580 WILL AM580, May 15, 2008; “Honey and honey bees,” Slow Foods Los Angeles, Los Angeles, CA, June 5, 2008; Pollination in the classroom, AIMS workshop, MSTE, UIUC, June 10, 2008; August 20, 2008, KQED “Buzz Kill NRDC” w/ Dave Iverson; “Bee-gone,” Isaak Walton League, Mahomet, IL September 11, 2008; Science Friday Bug-a Boo, <http://www.sciencefriday.com/videos/watch/10175> October 31, 2008;
- 2009 “BSI—the case of the disappearing bees,” Fermilab Lecture, Batavia IL, January 16, 2009; “Research can help the world,” Undergraduate Research Symposium kickoff, UIUC, February 11 2009; “Meet the Scientists,” American Association for the Advancement of Science, Chicago, IL, February 14, 2009; Dial Club, February 23, 2009; Focus 580, WILL AM580, February 24, 2009; 26th Annual Insect Fear Film Festival, Centipede Cinema, February 28, 2009; “Insects—who needs them?” Illinois Corn Breeders School, Champaign, IL, March 2, 2009; Urbana Exchange Club, “CCD and GNP,” March 4, 2009; Wagner Institute, Philadelphia, PA, March 28, 2009; Missouri Botanic Garden, St. Louis, MO, April 23, 2009; Interview KMOX and KSKD, St. Louis, April 23, 2009; UIUC Beekeeping Short Course, Bees and pesticides, April 4, 2009; Interview with Richard Nardi, Acting Director, Undergraduate Rhetoric Program, for

instructional video May 8, 2009; Focus 580 WILL AM580 May 26, 2009; 6/2009-6/2010CS-Fly, Orpheum Children's Science Museum forensic science camp, July 10, 2009; Aliens on Planet Earth, Orpheum Children's Science Museum Get Buggy camp, July 13, 2009; WILL AM 580 Focus 580 July 31, 2009; PRI's The World with Marco Werman, DDT—the Lesser of Two Evils? Interview podcast and online forum August 7-14, 2009' NASA interview with Adam Voiland about citizen science and pollinators August 13, 2009; Executive Club Luncheon, "Queen (bee) for a day," Champaign Country Club, Champaign, IL, August 20, 2009WILL AM Focus 580 August 25, 2009; WILL AM Focus 580 August 25, 2009; week of August 25, 2009, BBC ScienceAction Now, BBC Material World, BBC Radio Five Live, Jop de Vrieze. Wetenschapsredactie, NRC Handelsblad, Popular Science Magazine, Times of London, New Scientist, The Scientist, Time Magazine, Fox News Channel, Bloomberg News; New York Times news forum, August 29-30, 2009; Campus Round Table, Pollinarium, September 10, 2009; Girls Do Science, Flowers and Pollinators, Pollinarium, Urbana IL, September 12, 2009; Insect masquerade, New York University Wonder Cabinet, October 31, 2009; Insect ant-ics, Chicago Humanities Festival November 8, 2009; Interview with Robert Krulwich, ABC Radio, November 12, 2009 ("There's a fly in my urinal")

- 2010 "All about ants," Pam Olsen's girl scout troop 2222, Methodist Church, Urbana IL February 25, 2010; Focus 580 WILL AM February 26, 2010; 27th Annual Insect Fear Film Festival, UIUC, February 27, 2010; "Insect fear films" interview for CBC Radio Definitely Not the Opera, April 20, 2010; Virtual Symposium on Visual Culture and Evolution, Advisory Committee and Participant, April 4-14, 2010; Bug Night, B.T. Washington Elementary School, Champaign, IL, May 12, 2010; WILL AM Focus 580 May 16, 2010; Illinois State Beekeepers Association, Wadsworth, IL, June 12, 2010 ("Bees and pesticides," "UI Pollinarium"); Focus 580, WILL AM, June 29, 2010; Illini Union Off the Page Book Festival, "The Earwig's Tail," July 12, 2010; "The Billion-Bug Highway," interview with Robert Krulwich, ABC Radio, July 15, 2010; Keynote lecture, Association of Education and Research Greenhouse Curators, July 27, 2010; Pollinator Conservation short course, Xerces Society, U.S. Cooperative Extension, July 29, 2010; Focus 580, WILL AM, August 31, 2010; C-U Sunrise Rotary, Business of bees, September 3, 2010; "Bugging Out," National Academy of Sciences Science and Entertainment Exchange, Los Angeles, CA, October 14, 2010; St. Louis SciFest, Colony Collapse Disorder, St. Louis, MO, October 16, 2010; USA Science and Engineering Festival, National Mall, National Academy of Sciences tent, "The Buzz on Bees," October 24, 2010; Focus 580, WILL-AM, October 25, 2010; Lunch break segment, WGN News, "Cooking with honey," December 16, 2010; NPR Science Friday with Ira Flatow, "Bee Bonanza: From Beekeeping to Big Business," December 24, 2010; Focus 580, WILL-AM 580, February 22, 2011; 28th Annual Insect Fear Film Festival, February 26, 2011; "CCD update" and "Honey and health" at Buzz into Beekeeping workshop, Kankakee River Valley Beekeeping Association, Bourbonnais, IL, March 12, 2011; March 29, 2011 Treehugger online interview; March 31, 2011 Interview, Savvy Soumya Misra Assistant Coordinator Food Safety and Toxins Centre for Science and Environment 41, Tughlakabad Institutional Area New Delhi, India; College of LAS Admitted Students reception, March 30, 2011; Interview MongaBay.Com April 3, 2011; Campus Middle School 7th grade "Hands-on Entomology," April 7, 2011; Phone-in show, "Bees in crisis," KPCC Public Radio, Pasadena, CA April 14, 2011; interview with Huffington Post about Mongolian deathworms, April 20, 2011; Champaign Exchange Club, "The buzz on bees," Champaign, IL, April 25, 2011; Interview with Science and Entertainment Exchange, June 8, 2011; "Honey I'm Homemade," Illinois State Beekeepers Association, Champaign, IL, June 25, 2011; WILL AM 580 Afternoon Magazine, Pollinarium programs, August 5, 2011; UI Pollinarium, Colony Collapse Disorder update, August 7, 2011; WILL AM 580 Focus 580, Bees in the news; ABC News bee stings August 26 2011; Chicago Tribune CCD September 1, 2011;Champaign Lunchtime Rotary, "Bed bugs," October 12, 2011; Big Ten Housing Conference, "Honey and housing," Urbana, IL, October 25, 2011; Honey chemistry, Peggy Notebaert Museum, October 29, 2011; "How to talk to the public about science," lecture/workshop for the Society for Postdoctoral Scholars, University of Illinois Urbana-Champaign, November 9, 2011; "History of honey," Garfield Park Conservatory Beekeeping Workshop, Garfield Park Conservatory, Chicago, IL, November 19, 2011
- 2011
- 2012 Fourth Dimension Fourth Presbyterian Church Chicago, IL January 13, 2012; Southern Illinois Audubon Society, Carbondale, IL, January 27, 2012; interview for Naomi Klein January 31, 2012; Insects,

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Valentines and IFFF, Focus 580 February 14, 2012; “Beespotter,” MSTE Lunch, Champaign, IL, February 17, 2012; 29th Annual Insect Fear Film Festival, February 25, 2012; “Bees and pesticides,” Missouri State Beekeepers Association, St. Louis, MO, March 9, 2012; “Monitoring butterflies,” Illinois Butterfly Monitoring Network annual meeting, Peggy Notabaert Museum, Chicago, IL, March 10, 2012; “Bees and technology,” Agricultural and Biological Engineering Department seminar, UIUC, March 16, 2012; “Sex and the single parsnip,” Plant Biology Colloquium, Dept. Plant Biology, UIUC, March 16, 2012; “Bees and pesticides,” Beekeeping Short Course, University of Illinois, Urbana, IL, March 31, 2012; “The secret life of parsnips,” Webster Grove Nature Study Group, Webster Grove, MO, May 10, 2012; Back Yard Beekeepers, Weston, CT, May 29, 2012; Chicago Tribune interview, “Extreme Bugs,” Brookfield Zoo, June 4, 2012; WILL AM Focus 580 June 29, 2012 (David Inge’s final show); Urbana Rotary, “Micro-moths,” Urbana IL, August 7, 2012; “Biofuel and biodiversity,” Grand Prairie Friends, Anita Purves Nature Center, Urbana, IL September 28, 2012; “My Life on the Bee List,” Fourth Annual Beekeeping Forum, Garfield Park Conservatory, Chicago, IL November 17, 2012; Review of manuscript of “A Taste of Honey” by Marie Simmonds; review of “The Colony” science fiction manuscript by Alison Colucc; NPR interview, “Counting bugs in Panama,” December 14, 2012

Keynote, “Honey bee health update: state of affairs and affairs of state,” American Beekeeping Federation, Hershey Pennsylvania, January 9, 2013; Ladies Art Club, “Thirty years of insect fear films,” Champaign, IL January 16, 2013; Pest Control Technologies Magazine interview with Kristen Hampshire, “Do pest insects have personalities?” February 2013; WILL AM580 Focus 580, February 21, 2013; 30th Annual Insect Fear Film Festival (“Ins-X Files”), February 23, 2013; consulting with Lucy Wells, Silverback Films, for Discovery Channel documentary on North American wildlife (nutritional content of grasshoppers), February 28, 2013; LAS Admitted Students Day presentation, “Why everyone should know something about insects,” March 8, 2013; Urbana Exchange Club, “Update on pollinators,” March 28, 2013; Pest Control Technologies podcast with Brad Harbison, “Insect personalities and pest management professionals,” April 16, 2013; “More than honey” discussion panel, Art Theatre, Champaign, IL, April 16, 2013; review of “Special Delivery: A Butterfly Story,” book for children by Loree Griffith Burns, April 2013; Marketplace Morning Report American Public Media, “Ants and the corporate ladder” May 2, 2013; National Stakeholders Conference on Honey Bee Health Report release press conference, May 2, 2013; “From entomophobe to entomophile,” banquet speaker, Illinois Junior Science Academy, UIUC, Urbana, IL, May 3, 2013; Bloomberg View, NPR, KCBS, many other venues, bees and pesticides, May 6-9, 2013; Interview with Seth Borenstein, Associated Press, “Bugged by the billions: periodical cicadas,” May 7, 2013; WILL AM Focus 580, “What’s up with the bees?”, May 8, 2013; Interview with Arshon Howard, Medill News, “Edible insects in Chicago” May 20, 2013; interview with Josie Glausiusz, *American Scholar* interview, May 28, 2013; Interview with Maine Public Radio about bee nutrition, June 5, 2013; June 12, 2013, interview on honey chemistry for digital magazine The Column, LCGC; June 14, 2013, interview for digital magazine Vetstreet.com on bee health; “Applied Bee-nomics,” Congressional Hill Lunch-n-Learn seminar, June 16, 2013; Stakeholder meeting, “Open dialogue—research priorities, translating research from hive to honey and other products”, American Farm Bureau, CropLife America, June 16, 2013; Kathleen Dunn call-in show, “Honeybee health,” Wisconsin Public Radio, June 19, 2013; “Pollination fascination—pollinator genomics”, UI Pollinarium, June 30, 2013; New technologies for U.S. apiculture, Suzanne Zions and Stephanie Becker, Al Jazeera America, August 5, 2013; Alexandra Sifferlin, Time.com, entomophagy and food security query, August 20, 2013; Neonicotinoids and pest control operators, Ann Nagro, Pest Control Technology magazine, August 26, 2013; Interview and podcast with Adrian Smith, aodpod.com, Origins, September 4, 2013; Interview with Seth Shostak, “Disappearing bees,” Big Picture Science radio and podcast, September 4, 2013; Interview, “Is there a bee crisis?” Richard Wills, Pittsburg Tribune-Review, September 13, 2013; George S. Saul Public Lecture, Middlebury College, Middlebury VT, September 19, 2013; Happy Chocolate-Covered Insect Day,” Focus 580 WILL AM 580, Urbana, IL, October 14, 2013; “Insects: Aliens from Planet Earth, Public Lecture St. Paul Student Center Theater, University of Minnesota, St. Paul, MN, October 24, 2013; How the honey bee genome project is revolutionizing pollinator research”

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AgMasters Conference, Champaign, IL December 2, 2013; Interview with Joel Brownstein, LiveScience, on tobacco hornworm defense; interview with Susan Milius, Science News, on tobacco hornworm defense, December 30, 2013; Interview with Paul Wood, Champaign-Urbana News Gazette, powder-post beetles in Spurlock, “Exhibiting an intolerance for pests,” January 18, 2014; Interview with Voice of Russia, Bees and Pesticides, London, UK, January 24, 2014; Interview with Seth Borenstein, Associated Press, “Zom-bees”, January 29, 2014; Pesticides, WILL AM Focus 580, February 18, 2014; Interview with Seth Borenstein, Associated Press, disease associations between honey bees and bumble bees, February 19, 2014; Interview with Chicago Reader, Extinction, May 2014; Interview with WBEZ Chicago, Extinction May 2014; Field Museum Women in Science, “Metamorphosis—from entomophobe to entomophile”, Chicago, IL, June 14, 2014; Genetically Engineered Arthropod Fear Film Festival, Arthropod Genomics Symposium, UIUC, Urbana, IL, June 13, 2014; “Applied Bee-nomics” and “Honey: Superfood for bees and people”, Maryland State Beekeepers Association, Beltsville, MD, June 14, 2014; Advising on set and script of “Food” (feature film), June 4-June 30; “Why I Study Bees,” Pollen Power Camp for middle-school girls, Institute for Genomic Biology, July 9, 2014; script consult with Sean Gesell, NAS Science and Entertainment Exchange, August 1, 2014; io9 online interview on bee decline, August 6, 2014; Interview with David Inge, WILL TV August 6, 2014; Interview Centralia Morning Sentinel, “Where are all the butterflies?” August 8, 2014; “Bees and pesticides: lessons from the past,” UI Pollinarium, Urbana, IL, August 17, 2014; Pittsburgh Tribune-Review, Robo-bees, August 21, 2014; National Geographic, insect infestations (Jane Lee), September 18, 2014 “Does the honey bee risk cup runneth over?,” CropLife America, Washington, DC, October 16, 2014; Woollyworms, discussion with Mark Torregrosa, MLive.com, October 21, 2014

Publications

Books Authored

Berenbaum, M., 1989. *Ninety-nine gnats, nits and nibblers*. Champaign: University of Illinois.

Berenbaum, M., 1993. *Ninety-nine more maggots, mites, and munchers*. Champaign: University of Illinois (named one of Choice's outstanding academic books of 1995).

Berenbaum, M.R., 1995. *Bugs in the System: Insects and their Impact on Human Affairs*. Reading (MA): Addison Wesley.

Berenbaum, M. R., 2000. *Buzzwords: A Scientist Muses On Bugs, Sex, and Rock and Roll*. Washington: Joseph Henry Press. (on Library Journal's List of Best Sci-Tech Books of 2000).

Berenbaum, M. R., 2009. *The Earwig's Tail: A Modern Bestiary of Multi-legged Legends*. Cambridge: Harvard University Press.

Berenbaum, M. R., 2010. *Honey I'm Home-Made: Sweet Treats from the Beehive Across the Centuries and Around the World*. Champaign: University of Illinois Press.

Berenbaum, M.R., 2012 (anticipated). *The Secret Life of Parsnips*. Urbana: University of Illinois Press.

Berenbaum M. R., 2013 (anticipated). *Chemical Communication: the Language of Life*. Under contract for Princeton University Press

Works Edited

Berenbaum, M. (editor) 1986. *Insects and photoactive substances in plants*. Eleven papers published as separate issue of *J. Chem. Ecol.* 12 (4).

Rosenthal, G. and M. Berenbaum (eds.) 1992. *Herbivores: Their Interaction with Secondary Plant Metabolites*. 2nd edition. New York: Academic Press.

Berenbaum, M.R., 1996. Evolution of specialization. *Amer. Naturalist* supplement (Vice Presidential Symposium volume; half of issue 148S(3)).

Berenbaum, M.R. and G. R. Robinson 2003. Chemical communication in a post-genomic world. *Proceedings of the National Academy of Sciences (USA)* 100: (Supplement 2) 14513-14600 (17 papers).

National Academy of Sciences, 2006. *Status of Pollinators in North America*, Washington: National Academies Press (chair of committee).

National Academy of Sciences 2009. *Review of U.S. Department of Agriculture's Animal and Plant Health Inspection Service (APHIS) Response to Petitions to Reclassify the Light Brown Apple Moth as a Non-actionable Pest*. Washington: National Academies Press (chair of committee).

Meinwald, J. and M. R. Berenbaum, eds., 2012. *Issue of Daedalus (American Academy of Arts and Sciences) dedicated to the future of 21st century science (12 contributors)*.

Book Chapters

Berenbaum, M. 1986. Post-ingestive effects of phytochemicals on insects; on Paracelsus and plant products, Chapter 5 in T.A. Miller and J. Miller (eds.), *Insect-Plant Interactions*. New York: Springer-Verlag (Springer Series in Experimental Entomology), pp. 121-153.

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Berenbaum, M. 1986. Target site insensitivity in plant insect interactions. In L. Brattsten and S. Ahmad (eds). *Molecular Mechanisms in Insect-Plant Associations*. NY: Plenum Press, pp. 257-272.

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Berenbaum, M. 1987. Charge of the light brigade; insect adaptations to phototoxins. In *Light-activated Pesticides (J.R. Heitz and K.R. Downum, eds.)*. Washington; ACS Symposium, Series 339: 206-216.

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