

CURRICULUM VITAE**STANLEY H. FAETH****PERSONAL DATA**

Date of Birth June 1, 1951
Place of Birth Covington, KY
Citizenship USA

HOME ADDRESS:

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Browns Summit NC 27214
Phone: (336)-295-3097

UNIVERSITY ADDRESS:

Department of Biology
University of North Carolina – Greensboro
312 Eberhart Building
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EDUCATION and DEGREES

B.S. University of Cincinnati 1973
M.S. University of Cincinnati 1977
 Master's Thesis Title: Urban biogeography: City parks as islands for Diptera and Coleoptera.
Ph.D. Florida State University 1980
 Dissertation Title: Community ecology and population dynamics of leaf-mining insects on North Florida oaks

PROFESSIONAL and HONORARY SOCIETIES

Sigma Xi
Ecological Society of America
AAAS
AIBS
American Society of Naturalists
Society for Integrative and Comparative Biology

REFEREE, AWARDS, PROFESSIONAL ACTIVITIES (Last 5 years)

About 20 papers/year for *American Journal of Botany*, *Annals of the Entomological Society of America*, *Frontiers in Ecology*, *Journal of Biogeography*, *Ecology*, *Ecology Letters*, *Ecological Entomology*, *Functional Ecology*, *Fungal Diversity*, *Ecography*, *Journal of Applied Ecology*, *Ecoscience*, *American Naturalist*, *American Midland Naturalist*, *Canadian Entomologist*, *Conservation Biology*, *Entomologica Experimentalis et applicata*, *Bioscience*, *Science*, *Journal of the Kansas Entomological Society*, *Oikos*, *Oecologia*, *Plant Ecology*, *PLoS One*, *Environmental Entomology*, *Proceedings of the National Academy of Science*, *Annals of Botany*, *Sydowia*, *Urban Ecosystems*, *New Phytologist*, *Functional Ecology*, *Basic and Applied Ecology*, *Ecology and Society*

About 12 grants/year for National Science Foundation, Smithsonian Institution and USDA Competitive Grants Program, USDA Forest Service

1994-97	National Science Foundation - Doctoral Dissertation Improvement Grant, Panel Member
1998-2004	National Science Foundation - Ecological Studies Panel Member
1997-2008	Central Arizona Project - Long Term Ecological Research - Executive Committee
1997-2008	Central Arizona Project - Long Term Ecological Research - Population and Community, Biodiversity Team Co-leader
1998	Nominated for CLAS Distinguish Teaching Award
1999	Nominated for CLAS Distinguish Teaching Award
1999	Nominated for CLAS Excellence in Advising Award
1999-present	Research Associate – Transition Zone Horticultural Institute
2000	Nominated for College Alumni Association Award
2000	Ralph Yerger Award, Florida State University for Outstanding Biologist
2001	Nominated for position of Associate Dean of the Graduate College (declined)
2001-2005	Editor, <i>Ecology</i>
2004	Committee of 100 for LTER (Long Term Ecological Research) Network
2005	Nominated and finalist for ASU Parent's Association – Professor of the Year
2006-2008	Institutional Representative – Organization for Tropical Studies
2006	National Science Foundation - Ecological Studies Panel Member
2007	Plenary speaker at the 6 th <i>Neotyphodium</i> /grass endophyte interaction symposium, Christchurch, New Zealand
2007	National Science Foundation - Ecological Studies Panel Member
2007-present	Associate Editor, <i>Frontiers in Ecology and the Environment</i>
2009-2012	Board of Directors - North Carolina Association for Biomedical Research
2009	UNCG Celebration of Scholarship Honoree
2010	NSF sponsored research featured in <i>US News & World Report Science</i> :

<http://www.usnews.com/science/articles/2010/07/19/studying-toxic-microbes-in-grasses.html>

- 2010 NSF sponsored research featured in LiveScience:
<http://www.livescience.com/environment/sleepy-grass-endophytes-bts-101008.html>
- 2010 UNCG Celebration of Scholarship Honoree
- 2010 Research featured on Democratic Policy Committee website for American Recovery and Reinvestment Act
http://dpc.senate.gov/dpc_arra_pr.cfm?state_doc=nc
- 2010 The Lord Robert May Prize for the best paper in the Journal of Biological Dynamics
- 2012 Selected as a Community Columnist for the Greensboro News & Record newspaper

TEACHING EXPERIENCE (Last 5 years)

Arizona State University

- 2002-pres. BIO 100 - The Living World Lecture
 BIO 100 - The Living World Labs
 BIO 187 – General Biology for Majors
 BIO 320 - Introduction to Ecology
 BIO 423 - Community/Population Ecology
 BIO 321 - Introductory Ecology Lab and Field
 BIO 591 - Various Graduate Seminars

UNCG

- BIO 112 – Principles of Biology II
 BIO 491 – Global Ecology Guest lecturer
 BIO 594 – Urban Ecology
 BIO 603 – Environmental Health Science I
 BIO 605 – Seminar in Ecology: Urban Ecology

UNIVERSITY, COLLEGE and SCHOOL ACTIVITIES (Last 5 Years)

ASU

- 1996-03 CLAS Faculty Ambassador Program
- 1998-00 Dean's Ad Hoc Committee for Price Rd. Facility Planning
- 1997-2008 CAP-LTER Executive Committee
- 1997-2008 Leader - CAP-LTER Population/community/biodiversity IPA
- 2003 CLAS New Faculty Seminar Series – Grant funding
- 2003 Chair, Interim Associate Director Search Committee – School of Life Sciences
- 2004-2008 Provost's Faculty Development Mentoring Program
- 2004-05 Search Committee for Chair of Department of Mathematics and Statistics
- 2005-06 Chair, CAP-LTER Postdoctoral Associate Search
- 2006-2008 Institutional Representative – Organization for Tropical Studies
- 2007-2008 University Promotion and Tenure Review Committee

UNCG

- 2008 Dean's Sub-committee for Associate Dean of Research
- 2009 College of Liberal Arts and Sciences – Battelle Study committee
- 2009 Search Committee – Director of the Center of Excellence in the Nanosciences
- 2009 Science Advisory Board
- 2009 Dean's committee on collaborative and multidisciplinary science
- 2009-2012 Board of Directors - North Carolina Association for Biomedical Research
- 2009 Presentation to NCABR Teacher's Workshop on health research and careers
- 2008-pres. Safety and Scientific Research Oversight Committee
- 2010 CAS *ad hoc* committee on tenure and promotion
- 2010-2011. University Strategic Implementation Team 2.1

DEPARTMENTAL ACTIVITIES (Last 5 Years)

- 1994-97 Graduate Program Director, Department of Biology
- 1995-96 Theoretical Ecologist Search Committee
- 1996 ECOREU Selection Committee
- 1996 Maytag Postdoctoral Associate Search Committee (Chair)
- 1996-98 Ecology Concentration Steering Committee (Chair) (elected)
- 1996-98 Advisory Committee (elected)
- 1997-98 ECOREU Selection Committee
- 1997 Hughes Program Selection Committee
- 1998-99 Personnel Committee (elected)
- 1997 Evolutionary Biologist Search Committee
- 1997-2002 Associate Chair, Department of Biology
- 1998-2003 Advisory Committee (ex officio)
- 1998-99 Undergraduate Advisor Search Committee
- 1999-2006 Director of the Sierra Anchas Experimental Field Station
- 2000-2001 Department of Biology, Septennial Review Committee (Chair)
- 2002-2003 Interim Chair, Department of Biology
- 2003-2004 Ecology of Infectious Disease Search Committee
- 2004 Chair, CAP-LTER Graduate Summer Research Award Committee
- 2004 SOLUR Program Undergraduate Student Research Committee
- 2004 Lisa Dent Memorial Fellowship Selection Committee
- 2004 Chair, BIO 187 lab coordinator search committee
- 2004-05 Personnel Committee - EEES Faculty – SoL
- 2004-05 Chair, SoLS Committee for Faculty Awards
- 2005-06 Personnel Committee - EEES Faculty – SoLS
- 2005 Nominated for SoLS Graduate Associate Director
- 2005-2008 EEES Representative to SoLS Research Initiatives
- 2006 Nominated for SoLS Undergraduate Associate Director (declined)
- 2007 Chair, EEES election committee
- 2007-2008 Leader, development of Environmental Life Sciences Ph.D. program
- 2008-pres. Head, Department of Biology, University of North Carolina-Greensboro

GRANTS RECEIVED

- 1980-81 Faculty Grant-in-Aid, ASU, \$3,000
- 1982-85 National Science Foundation, \$95,000, Organization of Phytophagous Insect Communities on Oak Host Plants
- 1984-85 Faculty Grant-in-Aid, ASU, \$3,000
- 1985-86 University Research Assistantship, ASU, \$10,000
- 1985-87 National Science Foundation. \$100,000. Habitat Selection of Phytophagous Insects. Interactions at Three Trophic Levels.
- 1987-88 Research Incentive Award, ASU, \$10,000.
- 1988-91 National Science Foundation, \$193,373. Variable Folivory: Effects on Interactions Between Seasonal Insect Species.
- 1991 Research Incentive Award, ASU, \$5,000.
- 1991 National Science Foundation - Doctoral Dissertation Award (for K. Hammon, PhD student), \$10,000
- 1991-94 National Science Foundation, \$360,000. Mediation of Insect-Host Plant Interactions by Fungi.
- 1993-96 National Science Foundation, \$251,000. Undergraduate Mentorships in Environmental Biology: Research Experience for Undergraduates in Ecology (with N. Grimm, J. Collins, J. Elser, S. Fisher, S. Rissing, Co-PI's)
- 1993-94 Howard Hughes Medical Institute Program - Capital Equipment for BIO 100, The Living World, \$21,500 (with J. Elser, A. Lawson, S. Rissing)
- 1993-94 Howard Hughes Medical Institute Program - Capital Equipment for BIO 321, Introductory Ecology Lab, \$9,250
- 1994-98 National Science Foundation, \$290,000. Fungal endophytes: Mediation of Plant-Herbivore, Plant- Plant and Plant-Seed Predator Disperser Interactions (W. Miller, co-PI)
- 1994-95 National Science Foundation, \$4,500. REU: Mediation of Insect-Host Plant Interactions by Fungi (REU Supplement)
- 1995-97 Maytag Departmental Postdoctoral Award (for postdoctoral fellows Marjo Helander and Kari Saikkonen, Univ. of Turku, Finland)
- 1996-97 Hughes Program - Capital Equipment for BIO 320, Introductory Ecology, \$10,000 (with T. Dowling, J. Elser)
- 1996-97 National Science Foundation, \$5,000. REU: Mediation of Insect-Host Plant Interactions by Fungi (REU Supplement)
- 1997-98 National Science Foundation, \$5,000. REU: Mediation of Insect-Host Plant Interactions by Fungi (REU Supplement)
- 1998-03 National Science Foundation, \$340,000. The Role of Endophytes in Semi-arid, Forest-Grassland Communities (with Tad Day, co-Pi).
- 1998-99 National Science Foundation, \$5,500. REU: The Role of Endophytes in Semi-arid, Forest-Grassland Communities (REU Supplement).

- 1999-00 National Science Foundation, \$5,500. REU: The Role of Endophytes in Semi-arid, Forest-Grassland Communities (REU Supplement).
- 2000-01 National Science Foundation, \$5,500. REU: The Role of Endophytes in Semi-arid, Forest-Grassland Communities (REU Supplement).
- 1997-04 National Science Foundation. Central Arizona-Phoenix Long Term Ecological Research. \$4,171,734. (With 16 Co-Pi's).
- 1999-04 National Science Foundation, \$275,000. Undergraduate Mentorships in Environmental Biology: Research Experience for Undergraduates in Ecology (with D. Pearson, J. Collins, J. Elser, J. Harrison, Co-PI's)
- 2002-06 RO1 - National Institutes of Health, National Cancer Institute \$1,476,313. Anticancer agents from endophytic fungi of desert plants (with L. Gunatilaka, U of A).
- 2003-04 National Science Foundation, \$6,000. REU: Shifting costs and benefits of systemic endophyte interactions with native grass hosts. (REU Supplement)
- 2004-05 National Science Foundation, \$6,250. REU: Shifting costs and benefits of systemic endophyte interactions with native grass hosts. (REU Supplement)
- 2005-06 National Science Foundation, \$6,750. REU: Shifting costs and benefits of systemic endophyte interactions with native grass hosts. (REU Supplement)
- 2002-07 National Science Foundation, \$400,000. Shifting costs and benefits of systemic endophyte interactions with native grass hosts. (with T.A. Day, ASU).
- 2003-07 National Science Foundation, \$81,500. NSF Graduate Predoctoral Award for Cinnamon Hayes, PhD Student).
- 2005-08 Arizona Disease Control Research Commission: Discovery of Novel Anticancer and anti-infective drugs from endophytic fungi of desert plants. \$300,000 total (with L. Gunatilaka, Univ. of Arizona, Co-PI, \$84,000, ASU share)
- 2005-09 National Science Foundation: Trophic dynamics and structure in human-dominated environments. \$450,000 (with J. Sabo, Co-PI).
- 2006-08 National Science Foundation. The ecological consequences of hybridization of asexual microbial symbionts. \$120,000 (with T. Dowling, Co-PI).
- 2007-08 National Science Foundation, \$6,500. REU. Trophic dynamics and structure in human-dominated environments. (with J. Sabo, Co-PI).
- 2008-09 National Science Foundation, \$6,500. REU. Trophic dynamics and structure in human-dominated environments. (with J. Sabo, Co-PI).
- 2004-10 National Science Foundation. Renewal: Central Arizona-Phoenix Long Term Ecological Research – Phase II. \$5,815,755. (with 21 Co-PI's).

CURRENT GRANTS

- 2009-13 National Science Foundation. Hybridization of microbial symbionts in host plants: ecological patterns and consequences. \$615,971 (Faeth lead PI; N. Cech, Co-PI)
- 2010-15 National Science Foundation. GK 12 Graduate Training Grant with Guilford

Co. Schools. Transforming minds in a transitioning county. \$2,832,928 (Faeth Lead PI; J. Lepri and K. Matthews, Co-PIs).

2011-2013 North Carolina Biotechnology Corporation. Endophytic Fungi, Bioactive Natural Products, and the North Carolina Botanical Economy. \$75,000. (N. Oberlies, N. Cech and S. Faeth, Co-PIs)

MAJOR GRANTS SUBMITTED BUT NOT FUNDED (Last 5 Yrs.)

- 2001-03 National Science Foundation, \$70,000. Strategic planning for the Sierra Ancha Field Station (with W. Minckley)
- 2000-03 USDA-National Research Competitive Grants Program. Variability and Consequences of Systemic Endophytic Fungi in Native Forage Grasses. \$360,991 (Sole-PI)
- 2001-04 USDA-National Research Competitive Grants Program. Variability in Costs and Benefits of Systemic Endophytic Fungi in Native Forage Grasses. \$382,000 (J. Stutz, co-PI).
- 2002-03 NSF – IGERT. Legacies on the landscape. (multi-PI's) Pre-proposal approved by NSF, but not selected by ASU as one of two IGERTS to be submitted as a full proposal.
- 2003-07 National Science Foundation, \$170,000. Infrastructure improvement and curriculum development in desert population biology and watershed science at the Sierra Ancha Field Station (SARS) (with J. Sabo, J. Kaye, M. Kaye, L. Gerber, recommended for funding).
- 2008-13 National Science Foundation. Collaborative Research: Microbial Plant Symbionts - Interactions with Hosts, Herbivores and Natural Enemies. \$516,206 (S. Faeth, ASU), \$150,000 (N. Johnson, NAU), \$127,000 (K. Haskins, The Arboretum at Flagstaff).
- 2010-2012 North Carolina Biotechnology Corporation. Endophytic Fungi, Bioactive Natural Products, and the North Carolina Botanical Economy. \$75,000. (N. Oberlies, N. Cech and S. Faeth, Co-PIs)
- 2010-2012 National Science Foundation. MRI: Acquisition of an LTQ Orbitrap Mass Spectrometer for the Piedmont Laboratory for Mass Spectrometry Research and Training. \$700,000 (N, Cech, lead PI, Faeth et al. co-PI's)

INVITED PRESENTATIONS (Last 10 years)

- 1995 British Ecological Society. Multitrophic Interactions in Terrestrial Systems Symposium, Royal Holloway University, London, England (invited speaker)
- 1996 North American Forest Insect Work Conference, San Antonio TX (invited speaker)
- 1996 Northern Arizona University, Dept. of Biological Sciences, department seminar

- 1997 Arizona State University, Dept. of Botany, department seminar
- 1999 University of Arizona, EEB Departmental Seminar (graduate students' selection)
- 1999 University of California - Riverside, Department of Entomology Seminar
- 2000 Florida State University, Tallahassee, FL. - Yerger Lecture Award
- 2001 Society for Comparative and Integrative Biology, Chicago IL - (invited symposium speaker)
- 2001 Gordon Research Conferences - Plant-Herbivore Interactions, Ventura CA (invited speaker)
- 2002 University of California – Davis, Departmental Seminar
- 2002 University of California – Davis, Ecology and Evolution Group Seminar
- 2003 University of Goettingen – Goettingen, Germany, Agroecology Departmental Seminar
- 2003 University of Kentucky - Lexington, Kentucky. Agronomy and Plant Sciences, Departmental Seminar.
- 2004 Hope College, Holland MI. Department of Biology Seminar.
- 2004 University of Arizona, Department of Entomology Seminar (graduate students' selection)
- 2004 CAP LTER All Scientist Meeting, Arizona State University
- 2005 McGraw-Hill Introductory Biology working group, Clearwater FL.
- 2006 Ecological Society of America, Memphis TN. Invited symposium speaker on Urban Ecology
- 2006 Ecological Society of America, Memphis TN. Invited symposium speaker on Urban Ecology (with E. Shochat)
- 2006 Ecological Society of America, Memphis TN. Invited symposium speaker on Urban Ecology (with P. Warren)
- 2006 Ecological Society of America, Memphis TN, contributed paper (with L. Morse and T. Day).
- 2006 Ecological Society of America, Memphis TN, contributed paper (with A. Jani).
- 2006 Kansas State University, Manhattan KS, Department of Plant Pathology, Departmental Seminar
- 2006 Kansas State University, Manhattan KS, Department of Biology, Departmental Seminar
- 2007 9th Annual CAP LTER Poster Symposium, Arizona State University (invited speaker)
- 2007 6th International Symposium on Fungal Endophytes of Grasses, Christchurch, New Zealand. Invited Plenary Speaker.
- 2007 University of Minnesota, Plant Pathology Department, Invited Graduate Student Symposium speaker.
- 2008 University of North Carolina - Greensboro, Biology Department, Invited Speaker
- 2008 East Carolina University, Biology Department, Invited speaker
- 2008 Appalachian State University, Invited speaker
- 2008 Texas A & M University, Biology Department, Invited speaker

- 2009 Noble Foundation, Ardmore OK, Plant Biology Department, Invited Speaker
 2009 University of North Carolina Chapel Hill, NC. Ecology and Environment,
 invited by graduate students
 2010 Duke University, Durham NC, Department of Biology, departmental
 seminar.
 2010 University of Tennessee, Knoxville, Department of Ecology and
 Evolutionary Biology, departmental seminar
 2011 UNC-G, Department of Geography, Lunch time seminar series.
 2011 University of California – Davis, Davis CA, Department of Entomology,
 departmental seminar

CONTRIBUTED PRESENTATIONS (LAST 10 YEARS)

- 1997 International *Neotyphodium*/grass Interactions Symposium, Athens, Ga.
 (contributed poster)
 1997 Ecological Society of America, Albuquerque, NM (contributed paper)
 1998 Entomological Society of America (contributed paper with T. Tibbets)
 1998 INTECOL, Florence, Italy (contributed paper)
 1999 Ecological Society of America, Seattle WA (contributed paper with T.J.
 Sullivan)
 1999 CAP-LTER First Annual Poster Symposium (poster with N. McIntyre, J. Rango,
 W. Fagan)
 2000 Society of Integrative and Comparative Biology (3 contributed papers, with T.J.
 Sullivan and C. Hamilton)
 2000 CAP-LTER Second Annual Poster Symposium (poster with N. McIntyre, J.
 Rango, W. Fagan)
 2000 Ecological Society of America, Snowbird UT (contributed paper with T.J.
 Sullivan and C.E. Hamilton)
 2000 Ecological Society of America, Snowbird UT - LTER Workshop (co-organizer
 with N. McIntyre)
 2000 International *Neotyphodium*/grass Interactions Symposium, Soest, Germany
 (contributed poster with TJ Sullivan)
 2000 International *Neotyphodium*/grass Interactions Symposium, Soest, Germany
 (contributed paper)
 2000 International Entomology Congress, Iguassu Falls, Brazil (Symposium co-
 organizer, with T.L. Bultman)
 2000 International Entomology Congress, Iguassu Falls, Brazil (Symposium
 contributed paper))
 2001 CAP-LTER Third Annual Poster Symposium (poster with W. Marrusich)
 2001 Ecological Society of America, Madison WI, (contributed paper with T.J.
 Sullivan)
 2002 Ecological Society of America, Tucson, AZ (3 contributed papers, 1 poster)
 2002 British Ecological Society, York, UK (3 contributed papers)
 2003 CAP-LTER Fourth Annual Poster Symposium (2 posters with W. Marrusich,

- Jennie Rambo)
- 2003 Ecological Society of America, Savannah, Georgia (1 poster with W. Marrusich)
- 2003 LTER All Scientists Meeting, Seattle Washington (poster with W. Marrusich)
- 2004 CAP LTER Fifth Annual Poster Symposium (poster with W. Marussich)
- 2004 Community Ecology of Urban Systems, ASU, CAP-LTER working group
- 2004 International *Neotyphodium*/grass Interactions Symposium, Fayetteville AR (first author poster)
- 2004 International *Neotyphodium*/grass Interactions Symposium, Fayetteville AR (3 posters – with A. Jani, C. Hayes, and L. Morse)
- 2004 Ecological Society of America, Portland OR (1 poster with A. Jani)
- 2004 Ecological Society of America, Portland OR (contributed paper)
- 2005 CAP LTER Sixth Annual Poster Symposium: Urban trophic dynamics (poster with P. Warren, E. Shochat, W. Marussich)
- 2006 CAP LTER Seventh Annual Poster Symposium: Urban trophic dynamics (poster with P. Warren, E. Shochat, W. Marussich)
- 2006 CAP-LTER Seventh Annual Poster Symposium: Urban trophic dynamics (invited speaker)
- 2006 Ecological Society of America, Ecology in an Era of Globalization, Merida, Mexico (poster with W. Marussich)
- 2006 Ecological Society of America, Memphis TN. Contributed paper (with A. Jani)
- 2006 Ecological Society of America, Memphis TN. Contributed paper (with L. Morse)
- 2006 Ecological Society of America, Memphis TN. Contributed poster (with P. Lehtonen)
- 2007 Ecological Society of America, San Jose CA. Contributed paper (with C. Bang, M Andries, J. Sabo)
- 2008 Ecological Society of America, Milwaukee, WI. Contributed paper (with C. Hamilton)
- 2010 CAP-LTER 11th Annual Poster Symposium, Tempe. AZ. Contributed paper (with C. Bang)
- 2010 International Congress of Mycology, Edinburgh, Scotland. Contributed paper (with A. Jani).
- 2010 Ecological Society of America, Pittsburgh PA. Contributed poster (with S. Saari).
- 2011 Ecological Society of America, Austin TX. Two contributed papers (one with A. Jani and one with S. Saari and C. Bang as co-authors)
- 2011 Entomological Society of American, Reno NV. Invited symposium paper (with C. Bang and S. Saari as co-authors)

EMPLOYMENT HISTORY

- 1975 US Environmental Protection Agency - Biologist

1977 Cincinnati Museum of Natural History - Entomologist
 1980-1986 Arizona State University Assistant Professor/Ecologist
 1986-1990 Arizona State University Associate Professor/Ecologist
 1998-2002 Arizona State University Professor/Associate Chair
 2002-2003 Arizona State University Professor/ Chair
 2003-2008 Arizona State University Professor/Life Sciences
 2008-pres. University of North Carolina –Greensboro Professor/Head

COMMUNITY SERVICE (Last 10 years)

1997 City of Tempe, youth basketball coach
 1997 Judge, Broadmor Elementary School Science Fair, Tempe
 1997 Presentation to fourth grade at Fuller Elementary School
 1997 Presentation to 6 junior/senior classes at Bourgade Catholic High School
 1998 Judge, Broadmor Elementary School Science Fair, Tempe
 1998 City of Tempe, youth basketball coach
 1998 Arredondo/Bustoz Elementary School - Career Day guest
 1999 Presentation to 7th grade at Connolly Junior High
 1999 City of Tempe, youth basketball coach
 2000 Desert Vista High School - Career Day - Invited speaker and guest
 2001 Solano Elementary School - presentation to 5th grade class
 2005-pres. Excelencia Elementary School – Interactive NSF experimentation on trophic dynamics
 2006 Volunteer for Homebase Youth Center
 2006-pres. Meyer Elementary School – Interactive NSF experimentation on trophic dynamics
 2003-pres. Annual presentation to CAP-LTER internship program for K-12 teachers
 2007 Podcast for 'Ask a Biologist' for K-12 students
<http://www.learnoutloud.com/Catalog/Science/Biology/Ask-a-Biologist/23834>
 2007 McDowell Sonoran Conservancy lecture – What the Expert's Say Lecture Series – title: Biodiversity and Urban Ecology
 2009-2011 Reidsville High School Prom set up and chaperone
 2010-2011 GK 12 STEM activities at 3 High Points Schools – Montlieu Elementary, Welborn Middle School and Andrews High School
 2011 Greenway Day in High Point – Insect exhibit and demonstrations
 2012 Community Columnist for the Greensboro News & Record newspaper

GRADUATE STUDENT SUPERVISION

1981-85 Thomas Bultman, PhD student, committee chair
 Dissertation title: Ecology of oviposition by leaf-mining insects on Emory

- oak.
- 1982-86 Diane Renaud, M.S. student, committee chair
Thesis title: Impact of herbivory on defensive and reproductive allocation of Arizona walnut.
- 1987-89 Robert Rooney, M.S. student, committee chair
Thesis title: The effects of altered phenology on folivory in Gambel oak (*Quercus gambelii*)
- 1989-93 Kathleen Cristofaro, M.S. student, committee chair
Thesis title: Oviposition preference and larval performance in *Chlosyne lacinia* butterflies and chemistry of the host plant
- 1991-96 Brian Clark, M.S. student, committee chair
Thesis title: Advantages of egg clustering and larval gregariousness in the butterfly *Chlosyne lacinia* (Nymphalidae)
- 1993-97 Franziska Schulthess, M.S. student, committee chair
Thesis title: Endophytes of *Festuca arizonica*: Distribution and effects of the host.
- 1996-2000 Ruben Marchovsky – MS Thesis completed 2000. MS student, committee co-chair with T. Craig
- 1996-2000 Julie Burton, M.N.S. student, completed 2000. MNS co-chair with W. Minckley.
- 1997-2001 Rachael Keithley, MS Student, completed 2001. co-chair with Paul Marsh.
Thesis title: Dispersal and survival of larval fishes.
- 1997-2002 Jessamy Rango, PhD student, completed 2002. co-chair with W. Fagan
Dissertation title: Influences of priority effects, nutrients and urbanization on creosote bush arthropod communities
- 2000-2002 Cyd E. Hamilton, completed 2002. MS student, committee chair.
Thesis title: Maintenance of systemic *Neotyphodium* infections in Arizona fescue: a test of three hypotheses.
- 1994-2003 T.J. Sullivan, completed 2003, Ph.D. student, committee chair.
Dissertation title: Geographic and genetic variation in the *Neotyphodium/Festuca arizonica* interaction.
- 1998-2004. Wendy Marussich, completed 2004, PhD student, committee chair.
Dissertation title: The costs and benefits of myrmecochory between ants and *Datura* in the Sonoran desert.
- 1999-2005 Laura Morse, completed 5/2005, PhD student, co-chair with T. Day (Plant Biology)
Dissertation Title: The physiological role of the *Neotyphodium* endophyte in *Festuca arizonica*.
- 2002-2005 Andrea Jani, completed 8/2005, MS student, committee chair
Thesis title: Association of *Neotyphodium* endophytes and alkaloids with community structure in native grass systems.
- 2000-2006 Jennie Rambo, completed 12/2006, MS Student, committee chair.
Thesis title: The response of understory vegetation to prescribed fire in Northern Arizona Ponderosa pine forest.

- 2005-2009 Cyd Hamilton, completed 12/2009. PhD student, committee chair.
Dissertation title: The effects of endophyte hybridization on host grass performance.
- 2005-2010 Christofer Bang, completed 12/2010, committee co-chair with J. Sabo.
Dissertation title: Effects of urbanization on arthropod diversity, community structure and trophic dynamics
- 2010-pres. Melissa Robbins, MS student, committee chair
- 2011-pres. Andrew Jennings, MS student, committee chair
- 1980-pres. Served on >120 graduate student committees

POSTDOCTORAL/VISITING SCIENTIST SUPERVISION

- 1993-96 Dennis Wilson (NSF postdoctoral fellow)
- 1995-98 Kari Saikkonen (Maytag Postdoctoral Fellowship)
- 1995-97 Marjo Helander (Maytag Postdoctoral Fellowship)
- 1998-00 Nancy McIntyre (CAP-LTER)
- 2000-08 Eyal Shocat (CAP-LTER)
- 2002-04 Tamaru Hunt-Joshi
- 2003-05 William Cook (CAP-LTER)
- 2003-04 Kari Saikkonen and Marjo Helander (visiting scientists, Univ. of Turku, Finland)
- 2004 Dr. Trichur Suryanarayanan, Vivekananda College, Chennai, India (Fulbright International Scholar)
- 2007-08 Dr. Mopuri N. Reddy, visiting scientist, Dept. of Applied Microbiology, Sri Mahila Visavidyalayam, Tirupati, India
- 2008 Dr. Piippa Wali, (postdoctoral fellow) University of Oulu, Finland
- 2010-2012 Dr. Susanna Saari (postdoctoral fellow) MTT Agricultural, Finland
- 2012-2013 Dr. Martina Oberhofer (postdoctoral fellow), ETH Zurich, Switzerland

UNDERGRADUATE SUPERVISION (Last 10 years)

- 1994-95 Myrna Miller, spatial patterns in endophyte frequency
- 1994 Laura Chavez, ECOREU, parasitism of tent caterpillars
- 1994 Andrea Jackson, ECOREU, herbivory and endophyte frequency
- 1994 Amy Schwemm. ECOREU, endophytic fungi and leaf-cutting ants
- 1994-95 Erica Felgenbacher, ECOREU, endophytic fungi, grass competition and herbivory
- 1994-95 Heather Triplett, patterns of endophytes within grasses
- 1994-95 Jorge Lopez, REU, response of grasshoppers to endophytes in a native grass
- 1995-96 Heather Triplett, Endophyte infections in grasses
- 1995-97 Marsha St. Louis (ECOREU), Herbivory on native grasses infected with endophytes
- 1996 Robert Bills, Infectivity by endophytes of grasses
- 1996 Matt Burke (Hughes), Behavior of caterpillars in groups
- 1996-97 Vivian Miller (Summer REU undergraduate researcher)

- 1996-97 Kelly Craven, Leafchewers and endophytes
- 1996 Jennie Rambo (Hughes), Honor's Thesis: Effects of grazing on plant and insect community structure
- 1996 Andresse St. Rose (REU), Effects of endophytes on insect preference and performance
- 1996-97 Tessie Tibbetts (ECOREU)
- 1997 Suzanne Linda (ECOREU), Louie Yang (REU)
- 1998 Leanne Downs (ECOREU) Rachael Keithley, Cyd Hamilton (REU), Jennie Rambo (HHMI)
- 1998 Regina Di Silvestro, Cyd Hamilton (REU), Laura Taft (HHMI), Jennie Rambo (HHMI)
- 1999-2001 Cyd Hamilton (REU, Hughes), Laura Taft (HHMI), Kaesha Neil (HHMI), Jean Horne (HHMI), Cinnamon Hayes (HHMI)
- 2000-2002 Cyd Hamilton (REU, Hughes), Laura Taft (HHMI), Kaesha Neil (HHMI), Jean Horne (HHMI), Cinnamon Hayes (HHMI)
- 2000 Laura Taft – Honor's Thesis: Effects of Endophytic Fungi Infection on Herbivory by Grasshoppers
- 2001-2002 Kaesha Neil (HHMI), Jean Horne (HHMI), Cinnamon Hayes (HHMI)
- 2000-2002 Cinnamon Hayes, Beckman Scholar
- 2001-2003 Alysia Cox (BREU undergraduate researcher), Jon Furnari, Susan Firely, Mary Briget Nowicki, Richard Casselata ,Christine Palmer (CAP-LTER)
- 2001-2007 Allison Huang (CAP-LTER)
- 2003 Mara Faust (Summer REU- Honor's Thesis at Kalazamoo College)
- 2003 Jessica Ahmed: Honor's Thesis: Reader
- 2004 Stephanie Clark (undergraduate researcher)
- 2002-2007 Anusuya Das (undergraduate researcher, SOLUR fellow)
- 2004-2006 Rick Overson (Summer REU undergraduate researcher)
- 2004-2006 Daniel Haught (undergraduate researcher)
- 2005-2008 Matthew King (undergraduate researcher, SOLUR apprentice)
- 2005-2008 Hilary Gan (undergraduate researcher)
- 2005-2008 Kristen Chen (undergraduate researcher)
- 2005 Stephanie Steele (Summer REU undergraduate researcher)
- 2005-2007 Dan McClean (undergraduate researcher)
- 2006-2007 Mandy Behbahani (undergraduate researcher)
- 2006-2007 Katie Mason (undergraduate researcher)
- 2006-2007 Andrew Samuelson (undergraduate researcher)
- 2006-2007 Erin Manton (undergraduate researcher)
- 2006-2008 **Jessica Navarro** (undergraduate researcher)
- UNCG
- 2010 Megan McCray (undergraduate researcher)
- 2010-present Grace Anderson (undergraduate researcher; Honor's thesis)
- 2010-present Danielle Hayes (undergraduate researcher)
- 2010-2011 Kimberly Exhem (undergraduate researcher)
- 2010-2011 Allen Jarmush (undergraduate researcher with Nadja Cech)

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2012

- Faeth, S.H., S. Saari and C. Bang. Urban ecosystems: biodiversity and conservation. *eLS*. John Wiley & Sons, NY. (in review)
- Saari, S. and S.H. Faeth. Hybridization of *Neotyphodium* endophytes enhances competitive ability of the host grass. *New Phytologist* (in review).
- Gundel, P. E., M. Helander, C. Casas, C. E. Hamilton, S. H. Faeth, and K. Saikkonen. *Neotyphodium* fungal endophyte in tall fescue (*Schedonorus phoenix*): A comparison of three Northern European wild populations and the cultivar Kentucky-31. *Journal of Ecology* (in review).
- Bang, C., S.H. Faeth and J. S. Sabo. 2012. Control of arthropod abundances, richness and composition in a heterogeneous desert city. *Ecological Monographs* (in press).
- Hamilton, C. E., T. E. Dowling and S.H. Faeth. The effect of endophyte hybridization on interspecific competition under varying moisture treatments. *Oikos* (in review).
- Neil, K., J. Wu, C. Bang and S. H. Faeth. Plant sex in the city: Land cover affects *Encelia farinosa* flowering phenology and pollinator community. *Oecologia* (in review).

2011

- Faeth, S.H. and S. Saari. 2011. Fungal endophytes of grasses and arthropod communities: lessons from plant-herbivore interactions. *Fungal Ecology* (invited review) (in press). doi:10.1016/j.funeco.2011.09.003
- Bang, C. and S. H. Faeth. 2011. Variation in diversity, trophic structure and abundance in response to urbanization: seven years of arthropod monitoring in a desert city *Landscape and Urban Planning* 103: 383-399.
- Faeth, S.H., C. Bang and S. Saari. 2011. Urban biodiversity: patterns and mechanisms. *Annals of the New York Academy of Sciences* 1223: 69-81.
- Vesterlund, S-R., M. Helander, S.H. Faeth, T. Hyvönen, K. Saikkonen. 2011. Environmental conditions and host plant origin override endophyte effects on invertebrate communities structure and guilds. *Fungal Diversity* 47:109-118.
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*** denotes undergraduate student**

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