

CURRICULUM VITAE
DOUGLAS D. GAFFIN

ADDRESS

Department of Zoology, University of Oklahoma, Norman, OK 73019-0235;
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EDUCATION

- 1994 **Ph.D.** Oregon State University; Corvallis, OR;
Major: Zoology/Neurophysiology; Thesis Title: Chemosensory Physiology
and Behavior of the Desert Sand Scorpion, *Paruroctonus mesaensis*. (P
Brownell, adv).
- 1982 **Teaching Credential** Sonoma State University; Rohnert Park, CA;
Secondary Education/Science.
- 1979 **B.S.** University of California; Berkeley, CA.

PROFESSIONAL EXPERIENCE

- 2003-present **Dean**, University College, University of Oklahoma
- 2009-present **Professor**, Department of Zoology, University of Oklahoma
Teach Introductory Zoology Lecture Course (~ 1500 students/year); Senior
Seminar; Research: Sensory biology of scorpions.
- 2002-2003 **Interim Dean**, University College, University of Oklahoma
- 2001-2009 **Associate Professor**, Department of Zoology, University of Oklahoma
- 1995-2001 **Assistant Professor**, Department of Zoology, University of Oklahoma
- 1993-1995 **Instructor**, Human Anatomy and Physiology, Department of Zoology,
Oregon State University; Lecture in Z331-3 series; coordinate Z341-3 and
Z441-3 laboratory courses; total enrollment approx. 500 students/qtr
- 1992 **Research Assistant**, USDA National Forage Seed Laboratory.
Developed data acquisition and analysis software, ran ELISAs.
- 1987-93 **Graduate Teaching and Research Assistant**, Department of Zoology,
Oregon State University. Courses: Embryology, Animal Physiology,
Vertebrate Physiology, Human Anatomy and Physiology, Physiological
Research Methods.
- 1990 **Research Fellow**, Deutscher Akademischer Austauschdienst Institute
for Zoology, University of Regensburg, Germany.
- 1989 **Visiting Researcher**, Univ. of Regensburg, Germany (summer).
- 1985 **Chemistry Instructor**, Yuba College, Lower Lake, CA.
- 1982-85 **Science Teacher** (Biology, Chemistry, Physics); Middletown Jr and Sr High
School, Middletown, CA. Department Chair: 1984-85.
- 1982 **Science Teacher** (summer session); Sonoma High School; Sonoma CA.

AWARDS AND HONORS

- 2012 Most Inspiring Professor, Scholar Athlete Banquet, University of Oklahoma.
- 2010 David Ross Boyd Professorship, University of Oklahoma
- 2008 Joseph Brandt Professorship, University of Oklahoma
College of Arts and Sciences Information Technology Grant: *LON-CAPA in
Introductory Zoology and Concepts in Biology*. Co-PI with M Hoefnagels
Honorary Member of Phi Kappa Phi, National Honor Society
- 2007 OU Foundation Excellence in Teaching Award

- PII Instructional Innovation Award: *Designing a Hybrid Large Lecture Course for Introductory Zoology*
- 2006 Finalist for National Society of Collegiate Scholars Faculty of the Year Award
- 2004 OU Regents' Award for Superior Teaching
Distinguished Alumnus Award, Sonoma State University ([link](#))
- 2003 Honorary Member of Alpha Lambda Delta, National Academic Honor Society
- 2001 Honorary Member of National Society of Collegiate Scholars
Outstanding Professor Award, University of Oklahoma Inter-fraternity Council
- 2000 Presidential Professorship, University of Oklahoma
Honorary Inductee, Golden Key Honors Society
- 1999 Outstanding First-Year-Advocate Award (National Award given by the National Resource Center for the First-Year Experience and Students in Transition, University of South Carolina)
General Education Teaching Award, University of Oklahoma.
Most Inspiring Professor, Scholar Athlete Banquet, University of Oklahoma.
Outstanding Faculty Member Award, OU Panhellenic Association.
Alpha Phi Omega "Leader of the 20th Century" (recognition for teaching).
Elected Honorary Brother of Phi Sigma Pi National Honor Fraternity.
Selected to Outstanding Professors' Academy, Oklahoma Leadership Academy.
- 1998 College of Arts and Sciences Faculty Enrichment Grant, University of Oklahoma.
- 1997 Irene Rothbaum Award for the outstanding assistant professor in the college of Arts and Sciences.
College of Arts and Sciences Junior Faculty Summer Fellowship, University of Oklahoma.
Whitehall Foundation Research Award
- 1996 OU Research Council Computer Infrastructure Investment Program.
- 1995 Oregon State University Alumni Physicians Council Grant.
- 1994 Oregon State University Alumni Physicians Council Grant.
Oregon State University College of Science Instructional Equipment Award.
- 1993 Winner: Sigma Xi Research Poster Competition.
Departmental nominee, Frolander Graduate Teaching Award.
- 1992 Grass Foundation Travel Grant; Neuroethology Conference.
Winner: OSU Graduate Student Symposium Poster Competition.
Winner: Sigma Xi Research Poster Competition.
Departmental nominee, Frolander Graduate Teaching Award.
- 1987-92 Departmental letters for outstanding teaching performance.
- 1991,92 OSU Graduate Student Senate Travel Grant.
- 1991 American Society of Zoologists Travel Grant.
OSU Zoology Department Research Award.
Association for Chemoreceptive Sciences Travel Grant.
- 1990 Deutscher Akademischer Austauschdienste (DAAD) Scholarship.
Association for Chemoreceptive Sciences Travel Grant.
OSU Zoology Department Research Award.
- 1988 Block "O" recipient: Oregon State Men's Volleyball.
- 1987 U.S. Forest Service Certificate of Merit and Cash Award.

PUBLICATIONS

Principal Publications (¹ denotes undergraduate at time of manuscript production)

Taylor MS, ¹Cosper C, **Gaffin DD** (2012) Behavioral evidence of pheromonal signaling in desert grassland scorpions, *Paruroctonus utahensis*. (*accepted*)

- Gaffin DD**, Bumm LA, Taylor MS, ¹Popokina NV, Mann S (2012) Scorpion fluorescence and reaction to light. *Animal Behaviour* 83:429–436.
- Gaffin DD** (2011) *In situ* infrared videography of sand scorpion nighttime surface activity. In: Fet V, Selden PA, editors. “SCORPIONS 2001” John L. Cloudsley-Thompson 90th Birthday Commemorative Volume. *Euscorpius* 122:1–13.
- Gaffin DD**, Taylor MS (2011) Introductory zoology selected class figures guide to accompany Biology: Concepts and Investigations. McGraw-Hill Companies, Inc, Boston, USA.
- ¹Knowlton, ED, **Gaffin DD** (2011) Functionally redundant peg sensilla on the scorpion pecten. *Journal of Comparative Physiology A* 197:895–902.
- ¹Knowlton ED, **Gaffin DD** (2011) Electrophysiology of scorpion peg sensilla. *Journal of Visualized Experiments* 50. (<http://www.jove.com/details.php?id=2642>)
- ¹Knowlton ED, **Gaffin DD** (2010) A new tip-recording method to test scorpion pecten chemoresponses to water-soluble stimulants. *Journal of Neuroscience Methods* 193:264–270. ([pdf](#))
- Gaffin DD**, Carney, MC (2010) Three initiatives making a difference in student success at the University of Oklahoma. Case Study for *Portals of Entry: University Colleges and Undergraduate Divisions*. pp 136-139. ([pdf](#))
- Hoefnagels, MH, **Gaffin DD** (2010) Computerized Pre- and Post-lab Assignments on LON-CAPA. In: Tested Studies for Laboratory Teaching. Kari Clase, Editor. Proceedings of the 31st Workshop/Conference of the Association for Biology Laboratory Education (ABLE). June 8-13, 2009. University of Delaware, Newark. ([pdf](#))
- Gaffin DD** (2010) Analysis of sensory processing in scorpion peg sensilla. *Journal of Arachnology*, 38:1–8. ([pdf](#))
- ¹Knowlton ED, **Gaffin DD** (2009) A new approach to examining scorpion peg sensilla: the mineral oil flood technique. *Journal of Arachnology*, 37:379–382. ([pdf](#))
- Eodice M, **Gaffin DD** (2008) Let’s Face Facebook. *The National Teaching & Learning Forum*. 17(6):1-4. ([supplemental material](#))
- Gaffin DD**, Brooks ME (2008) Selected class figures guide to accompany Biology: Concepts and Investigations. McGraw-Hill Companies, Inc, Boston, USA.
- ¹Blass GRC, **Gaffin DD** (2008) Light wavelength biases of scorpions *Animal Behaviour*, 76:365-373. ([pdf](#))
- Walvoord ME, Hoefnagels MH, **Gaffin DD**, Long D, Chumchal M (2008) An assessment of Calibrated Peer Review (CPR) in a biology classroom. *Journal of College Science Teaching*, 37(4):66-73. ([pdf](#))
- Gaffin DD** (2007) Building student success at the University of Oklahoma. *e-Source for College Transitions* 4(4):10-12. ([pdf](#))
- Lewis R, Parker B, **Gaffin D**, Hoefnagels M (2007) *Life*, 6th ed. McGraw-Hill Corporation. (General biology textbook). ([link](#))
- Fet V, **Gaffin DD** (2004) Preface. Proceedings of the 3rd Scorpology Symposium, American Arachnological Society 28th Annual Meeting, Norman, Oklahoma, 28 June 2004. *Euscorpius* 17:i-v. ([pdf](#))

- ¹Porterfield JZ, **Gaffin DD**, ¹Porterfield C, ¹Johnston C (2004) Screening for scorpions: a non-invasive approach to tracking the movements of arachnids in sand. Proceedings of the 3rd Scorpiology Symposium, American Arachnological Society 28th Annual Meeting, Norman, Oklahoma, 28 June 2004. *Euscorpius* 17:17-24. ([pdf](#))
- Bost KC, **Gaffin DD** (2004) Sand scorpion home burrow navigation in the laboratory. Proceedings of the 3rd Scorpiology Symposium, American Arachnological Society 28th Annual Meeting, Norman, Oklahoma, 28 June 2004. *Euscorpius* 17:1-5. ([pdf](#))
- Gaffin DD**, Walvoord ME (2004) Scorpion peg sensilla: are they the same or are they different? Proceedings of the 3rd Scorpiology Symposium, American Arachnological Society 28th Annual Meeting, Norman, Oklahoma, 28 June 2004. *Euscorpius* 17:7-15. ([pdf](#))
- ¹Steinmetz SB, Bost KC, **Gaffin DD** (2004) Response of male *Centruroides vittatus* (Scorpiones: Buthidae) to aerial and substrate-borne chemical signals. *Euscorpius* 12:1-6. ([pdf](#))
- Lewis R, **Gaffin D**, Hoefnagels M, Parker B (2004) *Life*, 5th ed. McGraw-Hill Corporation. (General biology textbook). ([link](#))
- Gaffin DD**, Walvoord ME (2003) Selected class figures guide to accompany LIFE. McGraw-Hill Companies, Inc, Boston, USA.
- Gaffin DD** (2002) Electrophysiological analysis of synaptic interactions within peg sensilla of scorpion pectines. *Microscopy Research and Technique* 58:325-334. ([pdf](#))
- Lewis R, **Gaffin D**, Hoefnagels M, Parker B (2002) *Life*, 4th ed. McGraw-Hill Corporation. (General biology textbook). ([link](#))
- Gaffin DD** (2001) Electrophysiological evidence of synaptic interactions between sensory neurons in peg sensilla of *Centruroides vittatus* (Say, 1821) (Scorpiones: Buthidae). In: Fet V, Selden PA, editors. Scorpions 2001. In memoriam Gary A. Polis. Burnham Beeches, Bucks: British Arachnological Society. pp 325-330. ([pdf](#))
- Gaffin DD**, Brownell PH (2001) Chemosensory behavior and physiology. In: Brownell PH, Polis GA, editors. Scorpion Biology and Research. Oxford University Press. pp 184-203. ([pdf](#)) ([link](#))
- ¹Camp EA, **Gaffin DD** (1999) Escape behavior mediated by negative phototaxis in the scorpion *Paruroctonus utahensis* (Scorpiones, Vaejovidae). *The Journal of Arachnology* 27:679-684. ([pdf](#))
- Gaffin DD**, Brownell PH (1997) Electrophysiological evidence of synaptic interaction within chemosensory peg sensilla of scorpion pectines. *Journal of Comparative Physiology A*, 181:301-307. ([pdf](#))
- Gaffin DD**, Brownell PH (1997) Response properties of chemosensory peg sensilla on the pectines of scorpions. *Journal of Comparative Physiology A*, 181:291-300. ([pdf](#))
- Gaffin DD** (1994) Chemosensory physiology and behavior of the desert sand scorpion, *Paruroctonus mesaensis*. PhD thesis, Oregon State University.
- Gaffin DD**, ¹Wennstrom KL, Brownell PH (1992) Water detection in the desert sand scorpion *Paruroctonus mesaensis* (Scorpionida, Vejovidae). *Journal of Comparative Physiology A*, 170:623-629. ([pdf](#))
- Gaffin DD**, Brownell PH (1992) Evidence of chemical signaling in the sand scorpion, *Paruroctonus mesaensis* (Scorpionida:Vejovidae). *Ethology*, 91:59:69. ([pdf](#))

Gaffin DD, Jubran I (1991) TSG Software: Data acquisition and analysis program. *Biotechnology Software*, 8:4-7. ([pdf](#))

Gaffin DD, Gaffin AZ (1988) Thinking objectively: a biological approach to designing neural networks. *Micro Cornucopia*, 44:26-31. ([pdf](#))

Manuscripts in preparation (¹ denotes undergraduate at time of manuscript preparation)

Cushing PE, Brookhart JO, ¹Knowlton ED, Kleebe H, Spriggs A, Prendini L, Foelix R, **Gaffin DD**, Mechano- and chemosensory organs on the pedipalps of camel spiders (Arachnida, Solifugae).

Non-Refereed Publications & Reports

- Developed *Active Art* program – an ancillary teaching resource for McGraw-Hill Textbooks ([link](#))
- Teaching Incentives – Attracting, Rewarding, and Keeping OU's Best Teachers – special report for the President of the University of Oklahoma; 2006 ([pdf](#))
- University College, Programs for Success – report to the OU Graduation and Retention Task Force; co-authored with ML Carney (Assistant Dean); 2006, updated 2008 ([pdf](#))
- Contributing author for McGraw-Hill's *Biology* (7e) by Raven, Johnson, Losos, Singer, Mason; 2005
- Report from the 28th Annual Meeting of the American Arachnological Society. American Arachnology Newsletter, No. 70; 2005
- Report to British Department of Defense on sensitivity of scorpion pectines to 2,4 DNT; 2003
- Report to Guadalupe Mountain National Park – scorpion survey; 2001
- Report to Sevilleta National Wildlife Refuge – scorpion survey; 1997

Student Projects (¹ denotes undergraduate)

¹Carter SN (2003) Is the mechanoreceptor involved in the neural circuitry of scorpion peg sensilla? Honors Thesis. ([pdf](#))

¹Hines MA (2002) Use of a micro-engineered chemical delivery device to evaluate scorpion peg sensillum response to organic stimulants. Honors Thesis. ([pdf](#))

¹Stephens AV (2000) Seismic echolocation: do scorpions use this novel method of orientation to aid in locomotion? Honors Thesis. ([pdf](#))

¹Falgiani M (1999) Electrophysiological investigation of the sensitivity of scorpion basitarsal compound slit sensilla to vibratory stimuli. Honors Thesis. ([pdf](#))

¹Parizi M (1998) Investigation of spiking frequency of chemosensitive neurons in scorpion pectines in relation to photoperiod. Honors Thesis. ([pdf](#))

Published Abstracts (¹ denotes undergraduate)

¹Knowlton ED, **Gaffin DD** (2010) "Hasty tasting" of chemical information: functionally redundant peg sensilla in the scorpion pecten. 9th International Congress of Neuroethology, Salamanca, Spain.

- Gaffin DD** (2007) Scorpion peg sensilla: a rapid, parallel-sampling system for acquiring ground-based, chemosensory information. 8th International Congress of Neuroethology, University of British Columbia; Vancouver, British Columbia, Canada.
- Gaffin DD**, ¹Camp EA (1998) Response properties of scorpion pectinal nerves to chemical and mechanical stimulation. 5th International Congress of Neuroethology, UC San Diego; La Jolla, California.
- ¹Parizi M, **Gaffin DD** (1998) Investigation of spiking frequency of chemosensitive neurons in scorpion pectines in relation to photoperiod. [XIV International Congress of Arachnology](#), Chicago.
- ¹Camp EA, **Gaffin DD** (1998) Escape behavior in *Paruroctonus utahensis* mediated by phototactic response. [XIV International Congress of Arachnology](#), Chicago.
- Gaffin DD**, ¹Turner TA (1998) Electrophysiological properties of peg sensilla on the pectines of a buthid scorpion (*Centruroides vittatus*). [XIV International Congress of Arachnology](#), Chicago.
- Cohen NE, deBoer G, Cutler B, **Gaffin DD** (1997) Newly-discovered tarsal chemosensilla in ants. Poster presentation, ESA national conference
- Gaffin DD**, Brownell PH (1995) An accessible chemosensory circuit in individual peg sensilla of scorpion pectines. 4th International Congress of Neuroethology, Cambridge, England.
- Gaffin DD**, Brownell PH (1994) A neuronal circuit within chemosensory sensilla on the pectines of scorpions. Society for Neuroscience Abstracts 21:326.2.
- Gaffin DD**, Brownell PH (1992) Detection and sensory processing of chemical stimuli within single peg sensilla of scorpion pectines. 3rd International Congress of Neuroethology, Montreal, Canada. Abstract 197.
- Gaffin DD**, ¹Wennstrom KL, Brownell PH (1991) Water detection in the desert sand scorpion *Paruroctonus mesaensis*. American Zoologist 31(5):85A.
- Gaffin DD**, Brownell PH, Göttsche, J (1991) Electrophysiological evidence for synaptic interaction in single peg sensilla of scorpion pectines. Chemical Senses 16:525.
- Gaffin DD**, Brownell PH (1990) Electrophysiological studies of the pectinal chemosensory system of scorpions. Chemical Senses 15:579.

Other Reports

- Scorpion Sense; Oklahoma Magazine
<http://www.okmag.com/index.cfm?id=44&homepageid=72>
- BBC radio interview about scorpions
- "Scorpion King" video – OU video productions.
- Interview on scorpion home infestations for *Animal Planet* documentary; May 19, 2011.

PAPERS PRESENTED AT NATIONAL/INTERNATIONAL MEETINGS: (* indicates presenter; ¹ denotes undergraduate)

- Gaffin DD***, Bumm LA, Taylor MS, ¹Popokina NV, Mann S (2011) Scorpion fluorescence and reaction to light. Annual Meeting of the American Arachnological Society, July 8-11, 2011, Lewis and Clark College; Portland, Oregon.

- Taylor MS*, ¹Cosper C, **Gaffin DD** (2011) Behavioral evidence of pheromonal signaling in desert grassland scorpions. Annual Meeting of the American Arachnological Society, July 8-11, 2011, Lewis and Clark College; Portland, Oregon.
- ¹Knowlton ED*, **Gaffin DD** (2010) Hasty tasting of chemical information: functionally redundant peg sensilla on the scorpion pecten. Ninth International Congress of Neuroethology, Salamanca, Spain.
- Gaffin DD*** (2009) Going out for dinner and taking a new way home: videotaping the scorpion's evening walk. Annual Meeting of the American Arachnological Society, June 26-30, 2009, Arkansas Tech University; Russellville, Arkansas.
- ¹Knowlton ED*, **Gaffin DD** (2009) Tip-recordings of scorpion pecten chemosensory neurons in response to biological stimulants. Annual Meeting of the American Arachnological Society, June 26-30, 2009, Arkansas Tech University; Russellville, Arkansas.
- ¹Knowlton ED*, **Gaffin DD** (2008) A new approach to examining scorpion peg sensilla: the mineral oil flood technique. Annual Meeting of the American Arachnological Society, June 25-30, 2008, University of California; Berkeley, California. ([link](#))
- Gaffin DD*** (2008) Spatial resolving power of peg sensilla on scorpion pectines. Annual Meeting of the American Arachnological Society, June 25-30, 2008, University of California; Berkeley, California. ([link](#))
- Gaffin DD*** (2006) Does $A1 + A2 = B$ in scorpion peg sensilla? Annual Meeting of the American Arachnological Society, June 17-21, 2006, University of Notre Dame; Baltimore, Maryland. ([link](#))
- ¹Blass GRC*, **Gaffin DD** (2006) Scorpion locomotion regulation by light wavelengths. Annual Meeting of the American Arachnological Society, June 17-21, 2006, University of Notre Dame; Baltimore, Maryland. ([link](#))
- ¹Blass GRC*, **Gaffin DD** (2005) Light wavelength biases of the desert grassland scorpion. Annual Meeting of the American Arachnological Society, June 26-30, 2005, University of Akron; Akron, Ohio. ([pdf](#)) ([link](#))
- Gaffin DD***, ¹McGowan P, Walvoord ME (2004) Scorpion peg sensilla: are they the same or are they different? Annual Meeting of the American Arachnological Society, June 23-27, 2004, University of Oklahoma; Norman, Oklahoma. ([pdf](#)) ([link](#))
- Bost KC*, **Gaffin DD** (2004) Proposal: behavioral assay to identify the important sensory cues involved in sand scorpion navigation to their home burrow. Annual Meeting of the American the Arachnological Society, June 23-27, 2004, University of Oklahoma; Norman, Oklahoma. ([pdf](#)) ([link](#))
- ¹Porterfield JZ*, **Gaffin DD**, Porterfield C, Johnston C (2004) Screening for scorpions: a non-invasive approach to tracking the movements of arachnids in sand. Annual Meeting of the American Arachnological Society, June 23-27, 2004, University of Oklahoma; Norman, Oklahoma. ([pdf](#)) ([link](#))
- ¹McKee R*, **Gaffin DD** (2004) Non-visual orientation of sand scorpions. Annual Meeting of the American Arachnological Society, June 23-27, 2004, University of Oklahoma; Norman, Oklahoma. ([pdf](#)) ([link](#))
- Gaffin DD***, ¹Hines MA (2003) A new approach to chemostimulation of scorpion peg sensilla reveals high-resolution response properties to near-range chemostimulants. Annual Meeting of the American Arachnological Society, July 2003, Denver Museum of Nature & Science; Denver, Colorado. ([pdf](#)) ([link](#))

- ¹Carter SN*, **Gaffin DD** (2002) Is the mechanoreceptor involved in the neural circuitry of scorpion peg sensilla? Annual Meeting of the American Arachnological Society, June 2002, University of California; Riverside, California. ([pdf](#)) ([link](#))
- ¹Hines MA*, **Gaffin DD** (2002) Use of a micro-engineered chemical delivery device to evaluate scorpion peg sensillum response to organic stimulants. Annual Meeting of American the Arachnological Society, June 2002, University of California; Riverside, California. ([pdf](#)) ([link](#))
- ¹Steinmetz S*, **Gaffin DD** (2002) Response of male *Centruroides vittatus* to aerial and substrate-borne chemical signals. Annual Meeting of the American Arachnological Society, June 2002, University of California; Riverside, California. (Won 2nd place in student poster contest) ([pdf](#)) ([link](#))
- Gaffin DD*** (2001) Synaptic interactions within peg sensilla of scorpion pectines: what do they mean and where do we go from here? . Annual Meeting of the American Arachnological Society, July 9, 2001, Keene State College; Keene, New Hampshire. ([pdf](#)) ([link](#))
- Gaffin DD*** (2000) Electrophysiological investigation of a unique, ground-directed chemosensory organ in scorpions. 103rd Annual Meeting of the Texas Academy of Science, March 10, 2000, Kingsville, Texas.
- Gaffin DD***, Hoefnagels MH*, (2000) Using vectorized text art for lecture presentations. McGraw-Hill General Biology Symposium IV, June 3, 2000, Key West, Florida.
- ¹Stephens AV, **Gaffin DD*** (2000) Walking in the dark: can sand scorpions orient to objects in complete darkness? Annual Meeting of the American Arachnological Society, July 18, 2000, Lexington, Kentucky.
- Blank G*, Hess G*, Wellman D*, Cubbage F*, **Gaffin D*** (2000) The Academic Nexus of Teaching, Research, Consulting, Advising, and Service. Third Biennial Conference on University Education in Natural Resources, March 25-28, 2000, Columbia, MO.
- Cintron R*, **Gaffin D***, Owens T*, Connell E*, Schrage D* (2000). Faculty living in the residence halls: learning and living among students. National Association of Student Personnel Administrators (NASPA), March 19-22, 2000, Indianapolis, IN.
- Gaffin DD*** (1999) The Faculty-in-Residence Program at the University of Oklahoma. Annual Conference of the First-Year Experience, February 21, 1999, University of South Carolina; Columbia, South Carolina.
- Gaffin DD*** (1999) Tasting the ground: chemosensory function in the pectines of the striped scorpion, *Centruroides vittatus*. Annual Meeting of the Oklahoma Academy of Science, November 13, 1999, Oklahoma City, Oklahoma.
- ¹Stephens AV*, **Gaffin DD** (1999) Seismic echolocation: do scorpions use this novel method of orientation to aid locomotion? Annual Meeting of the Oklahoma Academy of Science, November 13, 1999, Oklahoma City, Oklahoma. (Won best student paper award for biological sciences, zoology)
- Gaffin DD***, ¹Camp EA (1998) Response properties of scorpion pectinal nerves to chemical and mechanical stimulation. 5th International Congress of Neuroethology, August 23, 1998, University of California at San Diego, La Jolla, California.
- Gaffin DD***, ¹Turner TA (1998) Electrophysiological properties of peg sensilla on the pectines of a buthid scorpion (*Centruroides vittatus*). XIV International Congress of Arachnology, July 1, 1998, Field Museum, Chicago, Illinois.

- ¹Camp EA*, **Gaffin DD** (1998) Escape behavior in *Paruroctonus utahensis* mediated by phototactic response. XIV International Congress of Arachnology, July 1, 1998, Field Museum, Chicago, Illinois.
- ¹Parizi M*, **Gaffin DD** (1998) Investigation of spiking frequency of chemosensitive neurons in scorpion pectines in relation to photoperiod. XIV International Congress of Arachnology, July 1, 1998, Field Museum, Chicago, Illinois.
- Gaffin DD*** (1997) Electrophysiological evidence of synaptic interactions between sensory neurons in peg sensilla of the scorpion, *Centruroides vittatus*. Annual Meeting of the American Arachnological Society, July 20, 1997, Dickinson State University, North Dakota.
- Cohen NE*, deBoer G, Cutler B, **Gaffin DD** (1997) Newly discovered tarsal chemosensilla in ants. ESA National Conference.
- Gaffin DD*** (1995) The use of cadavers in the human anatomy and physiology laboratory. Northwest Biology Instructors Organization, March 1995, Mt. Hood Community College, Portland, Oregon.
- Gaffin DD**, Brownell PH* (1995) An accessible chemosensory circuit in individual peg sensilla of scorpion pectines. 4th International Congress of Neuroethology, September 1995, Cambridge, England.
- Gaffin DD***, Brownell PH (1992) Detection and sensory processing of chemical stimuli by single peg-sensilla of scorpion pectines. International Congress of Neuroethology, Montreal, Canada.
- Gaffin DD***, ¹Wennstrom KL, Brownell PH (1991) Water detection in the desert sand scorpion, *Paruroctonus mesaensis*. American Society of Zoologists, Atlanta, Georgia.
- Gaffin DD***, Brownell PH, Godde J (1991) Electrophysiological evidence for synaptic interaction in single peg sensilla of scorpion pectines. Association for Chemoreception Sciences, Sarasota, Florida.
- Gaffin DD***, Brownell PH (1990) Electrophysiological studies of the pectinal chemosensory system of the scorpion. Association for Chemoreception Sciences, Sarasota, Florida.

INVITED LECTURES / SEMINARS

- Gaffin DD*** (2011) What can scorpions tell us about how neural networks encode the natural world? Science Lecture Series, April 8, 2011, Saddleback College, Mission Viejo, California.
- Gaffin DD*** (2010) How has technology informed and changed the university teaching experience over time? David Ross Boyd Professor Panel Discussion at 8th Annual Meeting of the Teaching Scholars Initiative, November 5, 2010, University of Oklahoma, Norman, Oklahoma.
- Gaffin DD*** (2010) The genetics, inheritance, and neurology of Woody Guthrie's disease: Huntington's chorea. 7th Annual Oklahoma Nursing Student Association State Convention, October 15, 2010, Norman, Oklahoma.
- Gaffin DD*** (2009) Scorpion pectines: exquisite "tummy tongues" with a 400-million-year evolutionary history. Darwinathon Conference, November 2, 2009, University of Oklahoma, Norman, Oklahoma.
- Gaffin DD*** (2009) A skin that glows and a broom-like tongue: the curious sensory biology of scorpions. Department of Biology Seminar, Case Western University, Cleveland, Ohio.

- Carney M*, Lanning A*, **Gaffin D***, Lucas J*, Kyncyl R* (2008) Freshman learning communities: the UCOL version. 5th Annual Meeting of the Teaching Scholars Initiative, April 7, 2008, University of Oklahoma, Norman, Oklahoma.
- Gaffin DD*** (2006) Clickers in class. Oklahoma Computing Conference, September 15, 2006, University of Oklahoma, Norman, Oklahoma.
- Gaffin DD*** (2005) New building around the corner: the Lissa and Cy Wagner Academic Services Center. 2nd Annual Meeting of the Teaching Scholars Initiative, January 28, 2005, University of Oklahoma, Norman, Oklahoma.
- Gaffin DD*** (2005) What constitutes good teaching and how do you know it when you see it? Invited panel speaker at 2nd Annual Meeting of the Teaching Scholars Initiative, January 28, 2005, University of Oklahoma, Norman, Oklahoma.
- Judice-Campbell N*, **Gaffin D*** (2004) Teaching very large classes. 1st Annual Meeting of the Teaching Scholars Initiative, January 16, 2004, University of Oklahoma, Norman, Oklahoma.
- Gaffin DD***, Hoefnagels MH* (2003) Terror at Lake Texoma: a capstone course on menacing microbes. Invited talk at Texas Community College Teachers Association, February 21, 2003, Austin, Texas.
- Gaffin DD*** (2002) How has classroom technology has changed? CAS Board of Visitors, September 19, 2002, University of Oklahoma, Norman, Oklahoma.
- Gaffin DD*** (1998) Scorpion sensory biology: looking for love in all the dark places. Department of Entomology Seminar, University of Kansas, Lawrence, Kansas.
- Gaffin DD*** (1998) Chemosensory biology of sand scorpions. Department of Zoology Seminar, Oklahoma State University, Stillwater, Oklahoma.
- Gaffin DD*** (1996) Reproductive biology of desert sand scorpions: finding and seducing a cannibalistic mate. University of Oklahoma Zoological Society, February 21, 1996, Norman, Oklahoma
- Gaffin DD*** (1996) Scorpion pectines: a model system for the study of peripheral processing of chemosensory information. OU Botany and Microbiology Graduate Student Seminar, January 18, 1996, Norman, Oklahoma.
- Gaffin DD*** (1995) Chemosensory behavior and physiology of the desert sand scorpion, *Paruroctonus mesaensis*. April 1995, Dept. of Zoology, University of Oklahoma, Norman, OK.
- Gaffin DD*** (1995) The great spontaneous generation debate. Keynote Address, Oregon State University Biology Graduate Student Symposium, February 1995, Newport OR.
- Gaffin DD*** (1991) Scorpion pectines: a model system for physiological studies of olfaction and taste. Symposium: Scorpions as model biological systems, American Society of Zoologists, Atlanta, GA.
- Gaffin DD*** (1990) Behavioral and electrophysiological studies of the pectinal sensory system of scorpions. Biology Colloquium, Walla Walla College, Washington.

Other Invited Talks

- 2012 Leadership and Administration: Tools for Your Toolkit. Plenary Speaker, Association of Deans & Directors of University Colleges, Asheville, NC, March 15, 2012.

- 2011 Panelist, How to Prepare for a Teaching-focused Career; Oklahoma Medical Research Foundation, July 26, 2011.
- 2009 Keynote Speaker, Gamma Beta Phi Honors Society Induction Ceremony, OU
2008 Academic rigor in the age of Pick-a-Prof; 9th Annual Chairs and Directors Retreat
OU College of Arts and Sciences, OU Biological Station, Lake Texoma. May 14,
2008.
- 2002 "Active Art" presentations in association with McGraw-Hill Higher Education
Publishers in Austin, Tallahassee, Anaheim.
- 2001 Keynote Speaker, National Society of Collegiate Scholars, OU
Northeastern Oklahoma State University, Biology Department Seminar.
"Active Art" presentations in association with McGraw-Hill Higher Education
Publishers in Tampa, Orlando, Chicago, San Diego, Dubuque.
- 2000 Leaders Plus Program, "OU and Norman: A Winning Partnership."
Who Wants to be a Soonair?, Camp Crimson '00, University of Oklahoma.
University of Oklahoma, Department of Zoology Seminar.
- 1999 Leaders Plus Program, "OU and Norman: A Winning Partnership."
Sooner Saturday, College of Arts and Sciences, University of Oklahoma.
Bulk ordered, individually wrapped: personalizing large lecture courses. PACAA
Workshop, University of Oklahoma.
Invited presentation on PowerPoint applications, Faculty Technology Training
Workshops, University of Oklahoma.
Teacher Expectations of Students, Camp Crimson '99, University of Oklahoma.
- 1998 Leaders Plus Program, "OU and Norman: A Winning Partnership."
1997 University of Oklahoma Zoological Society Meeting.
University of Oklahoma Zoology Seminar Series.
Oklahoma Center for the Neurosciences Neurohour.
University of Oklahoma College of Arts and Sciences, "Sooner Saturday."
- 1996 *Presentation Software Applications.* OU Provost's Faculty Development Conf.
Using Power Point in Your Teaching. OU faculty luncheon discussion group on
teaching with information technology.
*Reproductive biology of desert sand scorpions: finding and seducing a
cannibalistic mate.* University of Oklahoma Zoological Society Meeting.
*Scorpion pectines: a model system for the study of peripheral processing of
chemosensory information.* OU Bot and Microbiology Grad Student Seminar.
Making the perfect 10. New Sooner Orientation, University of Oklahoma.
Being a new faculty member. New Faculty Seminar, University of Oklahoma.
- 1995 Dept. of Zoology, University of Oklahoma, Norman, OK.
Keynote Speaker, O.S.U. Biology Graduate Student Symposium, Newport OR.
- 1994 *The use of multimedia technology in the anatomy and physiology classroom
laboratory.* O.S.U. Alumni Physicians Council, Corvallis, OR.
The use of A.D.A.M. in the multimedia classroom. Workshop on multimedia
technology. Symposium sponsored by O.S.U. Communications & Media Ctr.
- 1993 PhD Defense, Dept. of Zoology, Oregon State University, Corvallis, OR.
- 1988 *Pheromonal communication in scorpions.* Zoology Club Address, O.S.U.
Invited Speaker, Oregon State University Mother's Club.
- 1985 Keynote Speaker, Middletown High School Commencement Ceremonies,
Middletown, CA.

Scorpion Presentations

I give many scorpion presentations to classes, civic groups, elementary schools, retirement homes, recruitment events, and other groups. The last several years worth are shown below.

- 2010 Sooner Housing Center (30Nov); CAS Preview Day (29Oct); Cate FIR (27Oct); Trinity Lutheran Church (6May); National Society of Collegiate Scholars (21Apr); BOT/MBIO/ZOO 1005 (20,22Apr); Sooner Housing Center (1Feb);
- 2009 Big Red Retreat, HS Juniors Summer Camp (10Jul)
- 2008 Big Red Retreat, HS Juniors Summer Camp (11Jul); BOT/MBIO/ZOO 1005 (8,10Apr); ZOO 1114 evening section (8Apr)
- 2007 BOT/MBIO/ZOO 1005 (13,15Nov); CAS Preview Day (9Nov); Sooner Housing (26Sep); HS Juniors Summer Camp (13Jul); BOT/MBIO/ZOO 1005 (17,19Apr); OU Parents Weekend (30Mar); National Society of Collegiate Scholars (30Mar); Putnam City 5th Graders (16Mar); Faculty Lecture Series – Sooner Housing (7Feb)
- 2006 BOT/MBIO/ZOO 1005 (14,16Nov); CAS Preview Day (10Nov); OU Cate Center (6Nov); ZOO Society (26Sep); Pauls Valley Rotary Club (28Apr); BOT/MBIO/ZOO 1005 (18,20Apr)
- 2005 CAS Preview Day (Nov); BOT/MBIO/ZOO 1005 (17,19Apr); Go OU Day (17Apr); National Society of Collegiate Scholars (18Mar); Rivermont Retirement Center

PROFESSIONAL SERVICE

- 2008 President, Association of Deans & Directors of University Colleges
- 2007 President-elect, Association of Deans & Directors of University Colleges
- 2006-07 Zoology ad hoc Undergraduate Curriculum Committee, OU
Provost's Advisory Committee on Textbook Pricing Options
Provost's Advisory Committee on Writing Across Campus
OU Institutional Representative for Council on Undergraduate Research
Zoology ad hoc Undergraduate Curriculum Committee, OU
- 2006 University Marketing Committee (VP direct) OU
- 2005-07 Presidential Professorship Selection Committee (President direct) OU
- 2005-06 Search Committee, Introductory Biology Position, Zoology, OU
- 2005 Search Committee, Director of Instructional Development, OU
- 2004-present Admissions Advisory Committee (President direct) OU
Course Management Systems Task Force (Provost Direct) OU
- 2004 University of Oklahoma Advisory Committee on Underage Drinking and Alcohol Abuse (President direct) OU
- 2002-present Graduation Rates Task Force (President direct) OU
Enrollment Management Board (Provost direct) OU
Naming of Class by Graduation Year Committee (President direct) OU
Academic Advising Fee Advisory Committee (Provost direct) OU
Vice President for Student Affairs Faculty Advisory Committee, OU
OU Teaching Scholars Initiative – Founding Member
PACE award selection committee, University College, OU
- 2003-04 Ad hoc Classroom Committee (Provost direct) OU
- 2003 Honors Dean Candidate Interviews, OU
College of Arts & Sciences FOCAS Review Committee
University College Committee on Retention
- 2001-02 Committee A, Department of Zoology, OU.
- 2000-01 Search Committee, Dean for Gaylord College of Journalism & Mass Communications
- 1995-02 Director of Undergraduate Studies, Zoology

- 1999-02 Zoology Adams Scholarship Committee, OU.
Zoology Quade Scholarship Committee, OU
Undergraduate Assessment Liaison for Dept of Zoology, University of Oklahoma.
College of Arts and Sciences Information Technology Committee, OU
College of Arts & Sciences FOCAS Lecture Committee, OU
- 1999-00 Search Committee, outside member, Dept. of Psychology, OU.
Athletic Council Special Committee: Student Athletic Fee Study, OU .
- 1997-99 Instructional Services and Technology (IST) subcommittee of the Information
Technology Council (ITC), evaluated UTIL grants, OU.
Cell Biology Search Committee, Dept. of Zoology, OU.
- 1996-97 Neurophysiologist Search Committee, Dept. of Zoology, OU.
- 1995-02 Undergraduate Studies Committee, Chair, Dept. of Zoology, OU.
Pre-vet advisor, Dept. of Zoology, OU.
- 1994-95 Computing Resources Committee, Dept. of Zoology, OSU.
Aquatic Resources Committee, Dept. of Zoology, OSU.
- 1993-95 Curriculum Committee, Dept of Zoology, OSU.
- 1991 Senator, Associated Students of OSU.
- 1990-91 Dept. of Zoology Representative, Graduate Student Senate, OSU.
- 1988-89 Graduate Student Salary Committee, Dept. of Zoology, OSU.

Symposia

- 2004 Organizer and Host of 2004 American Arachnological Meeting, University of
Oklahoma, June 23-28.
- 1995 Anatomy and Physiology Session Organizer, Northwest Biology Instructors
Organization, Mt. Hood Community College, Portland, OR.
- 1989 Co-chair, O.S.U. Biology Graduate Student Symposium.

Society Memberships

[International Society for Neuroethology](#)
[American Arachnological Society](#)
[Association of Deans and Directors of University Colleges & Undergraduate
Studies](#)

Reviewer for

Advances in Insect Physiology: Spider Physiology and Behaviour
Canadian Journal of Zoology
Journal of Ethology
Journal of Insect Behavior
Journal of Invertebrate Reproduction and Development
Journal of Animal Behavior
Journal of Arachnology
Euscorpius
Solomon/Berg/Martin Biology Textbook, Saunders College Publishing
Two Ravens Editorial Services
Raven & Johnson's *Biology* (5th ed), WCB/McGraw-Hill Publishing
Addison Wesley Longman, biology multimedia materials
Scorpions 2001, published by British Arachnological Society
Electronic books, McGraw-Hill Publishing

COMMUNITY / UNIVERSITY SERVICE

- 2011-present Faculty Advisor, OU Volleyball Club.
2004-05 Faculty Advisor, OU Volleyball Club.
2002-present President's Distinguished Faculty Mentoring Program, OU
1999-present Various Community Presentations on Scorpions.
1999-02 Phillips Scholars mentor, OU.
Faculty Advisor, OU Pre-Vet Club.
1999-01 Pre-medical and pre-dental committee interviews, OU Zoology.
1997-00 Faculty-in-Residence, Couch Center, University of Oklahoma.
Faculty Advisor, Phi Sigma Pi National Honor Fraternity.
Member of the Speakers Service, University of Oklahoma.
1995-97 Lincoln Elementary School Presentation on Scorpions, Norman, Oklahoma.
Faculty Marshal, College of Arts and Sciences Convocation Ceremonies,
University of Oklahoma.
1996-97 Adopted Faculty Program: Zeta Tau Alpha Sorority, University of Oklahoma.
Adopted Faculty Program: Couch 8W Dormitory, University of Oklahoma.
Teacher Appreciation Functions and/or Receptions (7 total, various
organizations).
1988-95 Corvallis Elementary School Presentations.
1988-95 Corvallis School District Science Contest Judge.
1988-90 Advanced Placement Biology Mentor, Corvallis High School.

MISCELLANEOUS

- 2008 Participated in Digital Biology Workshop in Dubuque, Iowa, hosted by McGraw-Hill Publishers.
2002 Participated in 6rd Annual Introductory Biology Symposium in Key West, Florida, hosted by McGraw-Hill Publishers.
2001 Participated in 5rd Annual Introductory Biology Symposium in San Diego, California, hosted by McGraw-Hill Publishers.
2000 Participated in 4rd Annual Introductory Biology Symposium in Key West, Florida, hosted by McGraw-Hill Publishers.
1999 Participated in 3rd Annual Introductory Biology Symposium in St. Louis, Missouri, hosted by McGraw-Hill Publishers.
1998 Participated in 2nd Annual Introductory Biology Symposium in Snowmass, Colorado, hosted by McGraw-Hill Publishers.
1991 Western Nerve Net Conference, Portland, OR.
1990 OSU Graduate Student Symposium, Newport, OR.
1989 OSU Neural Networks Seminar, Corvallis, OR.
OSU Graduate Student Symposium, Newport, OR.
1996-2001 *Selected Lecture Figures* - optional supplemental packet to accompany Z1114, (royalties used to establish the Undergraduate Education Enhancement Fund for the Department of Zoology).

ADVISING AND STUDENT SUPERVISION

Undergraduate

Directed Research

Kira Wennstrom, Water detection in the desert sand scorpion. Oregon State University, 1993.

- Roger Kilbourne, Computer analysis of chemosensory responses in pectinal peg sensilla of scorpions. Oregon State University, 1994.
- Mahdieh Parizi, The expression of a circadian rhythm in the spiking frequency of chemosensitive neurons of scorpion pectines. University of Oklahoma, 1998. *Honors Thesis*.
- Elizabeth Camp, Sensory mediation of homing behavior in sand scorpions. University of Oklahoma, 1998.
- Taryn Turner, Synaptic interactions in peg sensilla of *Centruroides vittatus*. University of Oklahoma, 1998.
- Mike Falgiani, Electrophysiological investigation of the sensitivity of scorpion basitarsal slit sensilla to vibratory stimuli. University of Oklahoma, 1999. *Honors Thesis*.
- Vail Stephens, Do scorpions use seismic echolocation to aid in orientation? University of Oklahoma, 2000. *Honors Thesis*.
- Mujahid Hines, Use of a micro-engineered chemical delivery device to evaluate scorpion peg sensillum response to organic stimulants. University of Oklahoma, 2003. *Honors Thesis*.
- Steffany Steinmetz, Behavioral evidence of pheromonal interactions in *Centruroides vittatus*. University of Oklahoma, 2003. *Honors Thesis*.
- Steven Carter, Is the mechanoreceptor involved in the peg sensillar circuitry of scorpion pectines? University of Oklahoma, 2003. *Honors Thesis*.
- Paul McGowan, Differential response patterns of scorpion peg sensilla. University of Oklahoma, 2004. *Independent Research Project*.
- Ashley Meador, Home burrow navigation in scorpions. University of Oklahoma, 2004. *Directed research*.
- Zach Porterfield, Screening for scorpions: a non-invasive approach to tracking the movements of arachnids in sand. University of Oklahoma, 2004. *Honors Thesis*.
- Ryan McKee, Non-visual orientation of sand scorpions. University of Oklahoma. 2004. *Directed research*.
- Greg Blass, Light wavelength biases of scorpions. University of Oklahoma. 2005. *Directed research*.
- Kevin Landsverk; Behavioral assay of chemosensory activity in *Centruroides vittatus*. University of Oklahoma. 2006. *Directed research*.
- Tessa Crowl; Recording from constellation array on scorpion pedipalps. University of Oklahoma. 2006. *Directed research*.
- Nataliya Popokina; Scorpion fluorescence and light perception. University of Oklahoma. 2007. *Honors research*.
- Eman Beck; Do scorpions use self-generated pressure waves in the detection and orientation to objects. University of Oklahoma. 2007. *Directed research*.

- Elizabeth Knowlton; A new approach to examining scorpion peg sensilla: the mineral oil flood technique. University of Oklahoma. 2008-11. *Honors research.*
- Andrea Jordan; Can scorpions detect scorpion fluorescence? University of Oklahoma. 2009. *Honors research.*
- Caleb Cospers; Behavioral response to scorpion cuticular extracts. 2010-2011-12. *Directed research.*
- Danielle Martin; Physiological analysis of the scorpion constellation array. 2011-12. *Directed research.*
- Jay Vinnedge; Analysis of cues involved in homing behavior of desert sand scorpions. 2012. *Directed research.*
- John Little; Comparison of scorpion behavioral responses to UV and green light under varying nighttime irradiances. 2012. *Directed research.*
- Ashley Davis; Comparison of scorpion behavioral responses to UV and green light under varying nighttime irradiances. 2012. *Directed research.*
- Samuel Oyeleye; Investigating the electrolyte flood technique: a new method for recording populations of peg sensilla on a single tooth of a scorpion pecten. 2012. *Directed research.*

Thesis Committees

- 1997: Yong Pak, Zoology University of Oklahoma.
Gary Jordan, Zoology, University of Oklahoma.
- 1998: Ryan Biggers, Zoology, University of Oklahoma.
Renee Hamel, Zoology, University of Oklahoma.
Jeremy Holter, Zoology, University of Oklahoma.
Jamie Goldstein, Zoology, University of Oklahoma.
- 1999: Jenny Flemming, Zoology, University of Oklahoma.
- 2000: Stephanie Koller, Zoology, University of Oklahoma
Jeremy Phelps, Zoology, University of Oklahoma
- 2001: Shawn Khavari, Zoology, University of Oklahoma
- 2006: Trang Nguyen, Zoology, University of Oklahoma
Justin Nalagan, Zoology, University of Oklahoma

Pre-medical Advising: Oregon State University, '93-'95, caseload 30 students.

Academic Advising: Univ. of Oklahoma, '95 to 2002, approx. 40-50 students per year.

Teaching Assistants: 5 students, '93-'94; 3 students, '94-'95; 8 students '95-'96, 16 students '96-'97; 15 students, '97-'98; 13 students, '98-'99; 8 students, '99-'00; 17 students, '00-'01; 20 students, '01-'02; 20 students, '02-'03; 22 students, '03-'04; 30 students '04-'05; 20 students, '05-'06;

Graduate

Major Professor for:

Karen Bost, PhD Thesis, Behavioral and physiological analysis of sensory cues involved in sand scorpion navigation to their home burrows.
University of Oklahoma. 2003-2005

Thesis Committees

Jon Fewster, Masters, Health and Human Performance, Oregon State Univ.
Malia Hee, Masters, Science Education, Oregon State Univ.
Xana Kim, Masters, Zoology, Univ. of Oklahoma.
Carolyn Hackeroot, PhD, Education, University of Oklahoma.
Nancy Cohen, PhD, Entomology, University of Kansas.
Cari Deen, PhD, Zoology, University of Oklahoma.
Tania Roth, Masters & PhD, Zoology, University of Oklahoma
Aaron Best, Masters & PhD, Zoology, University of Oklahoma
Max Fletcher, Masters, Zoology, University of Oklahoma
Matthew Hamilton, PhD, Education, University of Oklahoma
Emily Overrocker, PhD, Education, University of Oklahoma
Louis Jackson, Masters, Chemistry & Biochemistry, University of Oklahoma
Fred Chen, PhD, Zoology, University of Oklahoma
Karen Upton, PhD, Zoology, University of Oklahoma
Jonathan Mui, PhD, Zoology, University of Oklahoma
Stephen Crynes, PhD, Education, University of Oklahoma
Rob Bradshaw, Doctor of Musical Arts degree in Cello Performance, OU