

Wendy R. Hood

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Last updated Nove 2010

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EDUCATION

- Ph.D. Biology, Boston University, 2001. Dissertation: Nutritional Limitations on Lactation and Postnatal Growth in the Big Brown Bat, *Eptesicus fuscus*.
M.A. Biology, Boston University, 1998.
B.A. Marine Biology, University of California, Santa Cruz, 1993.

PROFESSIONAL EMPLOYMENT

- 2007-present. Assistant Research Professor, Auburn University
2002-2007. Assistant Professor, Coastal Carolina University
2000-2002. Postdoctoral Research Associate, Fordham University
1999-2000. NIH Reproduction Training Fellow, Boston University
1994-2000. Teaching Assistant, Boston University

PUBLICATIONS

Refereed Journal Articles submitted, pending decision:

4. Hood WR. Submitted. The effect of locomotor stress on the mobilization of bone from the maternal skeleton. *Journal of Experimental Biology*.
3. Hood WR. Submitted. Limits on bone mobilization during reproduction in a small mammal. *Functional Ecology*.
2. Schmidt Boohar CM and WR Hood. Submitted. Turning bones into babies: calcium as currency for assessing reproductive costs in white-footed mice (*Peromyscus leucopus*). *Journal of Comparative Physiology B*.
1. Schmidt Boohar CM and WR Hood. Submitted. Primary sex-ratio is influenced by calcium availability in white-footed mice. *Biology Letters*.

Refereed Journal Articles and peer reviewed book chapters:

18. Senda, A, R Kobayashi, K Fukuda, T Saito, W Hood, T Kunz, O Oftedal and T Urashima. In press. Chemical characterization of milk oligosaccharides of the island flying fox (*Pteropus hypomelanus*) (Chiroptera: Pteropodidae). *Animal Science Journal*.
17. Hood WR, OT Oftedal, TH Kunz. In press. Is tissue maturation necessary for flight? Changes in body composition during postnatal development in the big brown bat. *Journal of Comparative Physiology B*, (available online at journal website).
16. Boohar, CM and WR Hood. 2010. Calcium utilization during reproduction in big brown bats (*Eptesicus fuscus*). *Journal of Mammalogy* 91:952-959.
15. Kunz TH, WR Hood, and L Nadolny. 2010. Lactation and postnatal growth. In: *Bats in Captivity, Vol. 2: Aspects of Rehabilitation* (Barnard SM, ed.). Logos Press, Washington, D.C.
14. Kunz TH, L Nadolny, and WR Hood. 2010. Reproductive patterns and parental care: Megachiroptera. In: *Bats in Captivity, Vol. 2: Aspects of Rehabilitation* (Barnard SM, ed.). Logos Press, Washington, D.C.

Refereed Journal Articles and peer reviewed book chapters – continued:

13. Hill GE, **WR Hood** and K Huggins. 2009. A multifactorial test of the effects of carotenoid access, food intake, and parasite load on production of ornamental feather and bill coloration in American Goldfinches. *Journal of Experimental Biology* 212:1225-1233.
12. Kunz TH, RA Adams and **WR Hood**. 2009. Methods for Assessing Size and Birth and Postnatal Growth and Development in Bats. Pp. 273-314 in TH Kunz and S Parsons (ed) *Ecological and Behavioral Methods for the Study of Bats*.
11. **Hood WR**, MB Voltura, and OT Oftedal. 2009. Methods of measuring milk composition and yield in small mammals. Pp. 529-553 in T.H. Kunz and S. Parsons (ed) *Ecological and Behavioral Methods for the Study of Bats*.
10. **Hood WR**, OT Oftedal, T.H. Kunz. 2006. Variation in body composition of female big brown bats (*Eptesicus fuscus*) during lactation. *Journal of Comparative Physiology B* 176: 807-819.
9. Shawkey MD, GE Hill, KJ McGraw, **WR Hood**, and K Huggins. 2006. An experimental test of contributions and condition dependence of microstructure and carotenoids in yellow plumage coloration. *Proceedings of the Royal Society B* 273:2985-2991.
8. Frank, CL, **WR Hood**, and MC Donnelly. 2004. The role of α -linolenic acid (18:3) in mammalian torpor. Pp 71-80 in BM Barnes and HV Carey, eds. *Life in the Cold: Evolution, Mechanisms, Adaptation and Application*. Institute of Arctic Biology Press
7. **Hood WR**, J Bloss, and TH Kunz. 2002. Intrinsic and extrinsic sources of variation in timing and synchrony of births and postnatal growth in the big brown bat, *Eptesicus fuscus*, in New England. *Journal of Zoology* 258:355-363.
6. Bloss J, TE Acree, JM Bloss, **WR Hood** and TH Kunz. 2002. Potential use of chemical cues for colony-mate recognition in big brown bats, *Eptesicus fuscus*. *Journal of Chemical Ecology* 28:799-814.
5. **Hood, WR**, TH Kunz, OT Oftedal, SJ Iverson, D LeBlanc, and J Seyjagat. 2001. Interspecific and intraspecific variation in the proximate, mineral, and fatty acid composition of milk in Old-World fruit bats (Chiroptera: Pteropodidae). *Physiological and Biochemical Zoology* 74:134-146.
4. Kunz, TH and **WR Hood**. 2000. Parental effort and postnatal growth in the Chiroptera. Pp. 415-468 in P Krutzsch and E Crichton, eds. *Reproductive Biology of Bats*. Academic Press, San Diego.
3. Kunz TH, E Bicer, **WR Hood**, MJ Axtell, WR Harrington, BA Silvia, and EP Widmaier. 1999. Plasma leptin decreases during lactation in insectivorous bats. *Journal of Comparative Physiology B* 169:61-66.
2. **Hood, WR**, and KA Ono. 1997. Variation in maternal attendance patterns and pup behavior in a declining population of Steller sea lions (*Eumetopias jubatus*). *Canadian Journal of Zoology* 75:1241-1246.
1. Byrnes P and **WR Hood**. 1994. First account of Steller sea lion (*Eumetopias jubatus*) predation on a young California sea lion (*Zalophus californianus*). *Marine Mammal Science* 10:381-383.

Magazine articles (not peer-reviewed):

1. Hood, WR, and GE Hill. 2009. The mystery of turacin and turacoverdin: why do Turacos have unique feather pigments? *The International Turaco Society Magazine* 32:20-27.

Published Abstracts (not peer-reviewed):

16. **Hood WR**. Cannibalism of offspring protects the integrity of the maternal skeleton. *Proceedings of the Comparative Nutrition Society*
15. **Hood WR**. Locomotor stress and mineral mobilization from the maternal skeleton. *Proceedings of the Comparative Nutrition Society*
14. Booher CM and **WR Hood**. Calcium as currency for assessing physiological costs of reproduction in white-footed mice. *Proceedings of the Comparative Nutrition Society*
13. Skibieli A and **WR Hood**. Temporal and inter-individual variation in milk composition in a free-ranging, hibernating rodent. *Proceedings of the Comparative Nutrition Society*
12. **Hood WR** and CM Booher. 2009. Mineral dynamics during reproduction in insectivorous bats: skeletal integrity is favored over increased reproductive output. *Integrative and Comparative Biology*

Published Abstracts – continued:

11. Hood WR and GE Hill. 2009. Dietary fat influences carotenoid-based coloration in the American Goldfinch Dietary *Integrative and Comparative Biology*
10. Booher CM and WR Hood. 2009. Calcium intake, bone metabolism and reproductive output of white-footed mice (*Peromyscus leucopus*). *Integrative and Comparative Biology* 2006.
9. Hood WR and G.E. Hill. 2006. Male color, but not body composition, reveals food deprivation in the American goldfinch. *Proceedings of the Comparative Nutrition Society*
8. Parsons ME and WR Hood. 2006. Does algae consumption influence carotenoid based coloration in bluegill sunfish. *Proceedings of the Comparative Nutrition Society*
7. Voltura MB, WR Hood, and OT Oftedal. 2006. A comparison of methods for determining the nitrogen and fat composition of milk: how to best analyze milk collected from small mammals. *Proceedings of the Comparative Nutrition Society*
6. Hood WR, L Mello, M Kowalska, and R Buffenstein. 2004. The effect of polyunsaturated fatty acid intake on lipid storage and on rates of cooling and rewarming in the naked mole rat (*Heterocephalus glaber*). *Proceedings of the Comparative Nutrition Society*
5. Hood WR and A Melinchuk. 2004. Adipose fatty acid composition in the little brown bats (*Myotis lucifugus*) during hibernation. *Proceedings of the Comparative Nutrition Society*
4. Hood WR., and CL Frank. 2002. Polyunsaturated Fatty Acid Intake and Its Effect on Over-Winter Survival by Golden-Mantled Ground Squirrels. *Proceedings of the Comparative Nutrition Society*
3. Hood, WR, OT Oftedal, and TH Kunz. 2000. Nutritional Limitations on Lactation and Postnatal Growth in the Big Brown Bat, *Eptesicus fuscus*. *Proceedings of the Comparative Nutrition Society*
2. Hood, WR, TH Kunz, OT Oftedal, and S.J. Iverson. 2000. Inter- and intraspecific variation in proximate, mineral, and fatty acid composition in old-world fruit bats (Chiroptera: Pteropodidae). *Proceedings of the Comparative Nutrition Society*
1. Hood, WR, TH Kunz, and OT Oftedal. 1998. Meeting the nutritional requirements of lactation: calcium and energy utilization in an insectivorous bat. *Proceedings of the Comparative Nutrition Society*

SCHOLARLY SEMINARS AND PRESENTATIONS

Invited seminars:

2009. Invited seminar. Bone mineralization, an underappreciated cost of reproduction. *National Center for Biological Sciences, Bangalore, India.*
2006. Invited seminar: How Bats Meet the Nutritional Demands of Lactation. *West Chester University, West Chester, PA*
2001. Invited seminar: Nutritional Limitations on Lactation in the Big Brown Bat, *Eptesicus fuscus*. *City College of New York, NY.*
2000. Invited seminar: Nutritional Limitations on Lactation in the Big Brown Bat, *Eptesicus fuscus*. *Fordham University, Bronx, NY.*

Presentations at professional meetings:

(Note: I personally attended all but 1 meeting listed, Eisert 2010; I was the presenter for talks for which I am listed as first author)

2010. Poster presentation: Hood WR. Cannibalism of offspring protects the integrity of the maternal skeleton. *International Behavioral Ecology Congress, Perth, Western Australia*
2010. Oral presentation: Hood WR. Cannibalism of offspring protects the integrity of the maternal skeleton. *Comparative Nutrition Society Symposium, Tucson, AZ*
2010. Poster presentation: Hood WR. Locomotor stress and mineral mobilization from the maternal skeleton. *Comparative Nutrition Society Symposium, Tucson, AZ*
2010. Oral presentation: Booher CM and WR Hood. Calcium as currency for assessing physiological costs of reproduction in white-footed mice. *Comparative Nutrition Society Symposium, Tucson, AZ* – Booher won student oral presentation competition.
2010. Poster presentation: Skibieli A and WR Hood. Temporal and inter-individual variation in milk composition in a free-ranging, hibernating rodent. *Comparative Nutrition Society Symposium, Tucson, AZ*

Presentations at professional meetings – continued:

2010. Poster presentation: Eisert R, OT Oftedal, **WR Hood**, and AD Mitchell. Isotope dilution and body composition: updating a tool for nutritional ecology. *Comparative Nutrition Society Symposium, Tucson, AZ*
2010. Poster presentation: Eisert R, OT Oftedal, **WR Hood**, and AD Mitchell. Isotope dilution and body composition: updating a tool for nutritional ecology. *American Physiological Society, Westminster, CO*
2010. Oral presentation: Filhiol T and **WR Hood**. Maternal vitamin K and offspring mineralization in *Mus musculus*. *National Council on Undergraduate Research, Missoula, MT*
2010. Oral presentation: Filhiol T and **WR Hood**. Maternal vitamin K and offspring mineralization in *Mus musculus*. *Undergraduate Research and Creative Scholarship Forum, Auburn, AL*
2009. Oral presentation: **Hood WR** and CM Booher. Mineral dynamics during reproduction in insectivorous bats: skeletal integrity is favored over increased reproductive output. *Society for Integrative and Comparative Biology, Boston, MA*
2009. Poster presentation: **Hood WR** and GE Hill. Dietary fat influences carotenoid-based coloration in the American Goldfinch. *Society for Integrative and Comparative Biology, Boston, MA*
2009. Poster presentation: Booher CM and **WR Hood**. Calcium intake, bone metabolism and reproductive output of white-footed mice (*Peromyscus leucopus*). *Society for Integrative and Comparative Biology, Boston, MA* – Booher received honorable mention for her poster
2007. Poster presentation: Evans G, ME Parsons and **WR Hood**. Is orange breast coloration in bluegill sunfish a condition dependent trait? *Big South Undergraduate Research Symposium, Conway, SC*
2006. Oral presentation: **Hood WR** and GE Hill. Male color, but not body composition, reveals food deprivation in the American goldfinch. *Comparative Nutrition Society Symposium, Keystone, Colorado.*
2006. Poster presentation: ME Parsons and **WR Hood**. Does algae consumption influence carotenoid based coloration in bluegill sunfish. *Comparative Nutrition Society Symposium, Keystone, Colorado.* – Parsons won student poster competition.
2006. Poster presentation **Hood WR**, MB Votura, and OT Oftedal. A comparison of methods for determining the nitrogen and fat composition of milk: how to best analyze milk collected from small mammals. *Comparative Nutrition Society Symposium, Keystone, Colorado.*
- 2006: Poster presentation: **Hood WR** and GE Hill. Coloration in American goldfinches distinguishes single versus multiple environmental challenges. *International Society for Behavioral Ecology, Tours, France*
2005. Oral presentation: **Hood WR** and GE Hill. Male color, but not body composition, reveals food deprivation in the American goldfinch. *The Crissey Zoological Nutrition Symposium. Raleigh, NC.*
2004. Poster presentation: **Hood WR** and A Melinchuk. Adipose fatty acid composition in the little brown bats (*Myotis lucifugus*) during hibernation. *Thirty-fourth North American Symposium on Bat Research, Salt Lake City, UT*
2004. Poster presentation: **Hood WR**, L Mello, M Kowalska, and R Buffenstein. The effect of polyunsaturated fatty acid intake on lipid storage and on rates of cooling and rewarming in the naked mole rat (*Heterocephalus glaber*). *Comparative Nutrition Society Symposia, Hickory Corners, MI.*
2004. Poster presentation: A Melinchuk and **WR Hood** Adipose fatty acid composition in the little brown bats (*Myotis lucifugus*) during hibernation. *Comparative Nutrition Society Symposia, Hickory Corners, MI*
2002. Oral presentation: **Hood WR**, CL Frank. Polyunsaturated Fatty Acid Intake and Its Effect on Over-Winter Survival by Golden-Mantled Ground Squirrels. *Comparative Nutrition Society Symposia, Antwerp, Belgium.*
2002. Oral presentation: **Hood WR**, CL Frank. Polyunsaturated Fatty Acid Intake and Its Effect on Over-Winter Survival by Golden-Mantled Ground Squirrels. *Physiological Ecology Meeting Bishop CA*
2002. Poster presentation: **Hood WR**, OT Oftedal, and TH Kunz. Nutritional limitations on lactation in the big brown bat, *Eptesicus fuscus*. *Thirty-second North American Symposium on Bat Research, Burlington, VT.*

Presentations at professional meetings – continued:

2001. Oral presentation: **Hood WR**. Body composition during lactation and post natal growth in the Big Brown Bat, *Eptesicus fuscus*. Physiological Ecology Meetings, Bishop, CA
2000. Oral presentation: Hood, WR, OT Oftedal, and TH Kunz. Nutritional Limitations on Lactation and Postnatal Growth in the Big Brown Bat, *Eptesicus fuscus*. *Comparative Nutrition Society Symposia, Pacific Grove, CA*.
2000. Poster presentation: **Hood WR**, TH Kunz, OT Oftedal, and SJ Iverson. Inter- and intraspecific variation in proximate, mineral, and fatty acid composition in old-world fruit bats (Chiroptera: Pteropodidae). *Comparative Nutrition Society Symposia, Pacific Grove, CA*.
2000. Oral presentation: **Hood WR**, TH Kunz, OT Oftedal, and SJ Iverson. Inter- and intraspecific variation in proximate, mineral, and fatty acid composition in old-world fruit bats (Chiroptera: Pteropodidae). *American Society of Mammalogists, Durham, NH*.
1998. Oral presentation: **Hood WR**, TH Kunz, and OT Oftedal. Meeting the nutritional requirements of lactation: calcium and energy utilization in an insectivorous bat. *Comparative Nutrition Society Symposia, Banff, Alberta, Canada*.
1997. Poster presentation: **Hood WR**. Post-natal growth and milk composition in four species of *Pteropus*. *Twenty-seventh North American Symposium on Bat Research, Tucson, AZ*.
1996. Oral presentation: **Hood WR**, JM Bloss, TH Kunz, and OT Oftedal. Milk intake and milk composition by *Eptesicus fuscus* in New England. *Twenty-sixth North American Symposium on Bat Research, Bloomington, IL*.
1993. Poster presentation: **Hood WR** and KA Ono. Effects of El Niño on maternal attendance patterns and pup behavior in a declining population of Steller sea lions. *Tenth Biennial Conference on the Biology of Marine Mammals, Galveston, TX*

GRANTS AND CONTRACTS**External Support (includes all major grants applied from 2002 to present):**

2009. **Funded contract**. Experimental test of hummingbird diets and water balance. \$36,363. Kaytee Pet Products.
2009. Not Funded. The effects of diet on turacin and turacoverdin pigmentation in Turacos. Mazuri Exotic Animal Feed Nutrition Research Grant.
2009. Not Funded. Transgenerational effects of nutrient transfer during suckling. NSF, Division: Integrative Organismal Biology, Program: Organism and Environmental Interactions Cluster.
2009. Not Funded. Constraints on calcium mobilization, maternal skeletal integrity, and reproductive performance. NSF, Division: Integrative Organismal Biology, Program: Physiological and Structural Systems Cluster.
2007. **Funded**. Survey of small mammals on Spring Island. \$15,000 by the Spring Island Trust.
2007. Not Funded. Co-PI Geoffrey Hill, Auburn University. NSF, Division: Integrative Organismal Biology, Program: Behavioral Systems Cluster.
2006. Not Funded. The signal content of carotenoid and melanin coloration in songbirds and fish. Co-PI Geoffrey Hill, Auburn University. NSF, Division: Integrative Organismal Biology, Program: Behavioral Systems Cluster.
2006. Not Funded. Purchase of a gas chromatograph with cyber-infrastructure capabilities. Principal PI Darlene Slusher, CCU Chemistry. NSF, Division: Chemistry, Program: Chemical Instruction.
2006. Not Funded. Acquisition of a Varian GC-MS/MS system. Principal PI Teresa Burns, CCU Chemistry-Physics. NSF, Division: Chemistry, Program: Major Research Instrumentation.
2005. Not Funded. A multi-factorial test of environmental constraints on ornamental plumage coloration. Co-PI Geoffrey Hill, Auburn University. NSF, Division: Integrative Organismal Biology, Program: Behavioral Cluster.
2003. **Funded**. Bat Diversity and Abundance in the Francis Marion National Forest \$10,000 funded by the US Forest Service, Challenge Cost Share Program.
1998. **Funded**. American Natural History Museum, Theodore Roosevelt Grant
1998. **Funded**. Sigma Xi, Boston University Chapter, Grant-in-Aid of Research

External Support (includes all major grants applied from 2002 to present)-continued:

1998. **Funded.** American Society of Mammalogist, Grant-in-Aid of Research
 1996. **Funded.** Smithsonian Institution, Graduate Student Research Fellow
 1996. **Funded.** Sigma Xi, Grant-in-Aid of Research

Internal Support (includes pending and funded proposals only):

2010. AU internal grant proposal awarded. Pending. Development of a nutritionally explicit model for the impact of climate change on monogastric herbivores. Co-PI Steve Dobson. \$4000.
 2010. AU Cell and Molecular Biology Undergraduate Summer Research Scholarship awarded to undergraduate Matt Ramirez and myself as Matt's mentor, \$3000 fellowship stipend to Matt and \$2000 project stipend.
 2010. COSAM Faculty Travel Grant, \$500 to present at the Comparative Nutrition Society Symposium, August 2010.
 2009. AU Undergraduate Research Fellowship awarded to undergraduate Tia Filhiol and myself as Tia's mentor, \$4400 fellowship stipend to Tia and \$1400 project stipend.
 2009. 2009 AAES Hatch/Multistate Funding Program. Nutritional Systems for Swine to Increase Reproductive Efficiency (S-1044). Co-PI Lee Chiba, Animal Sciences, Auburn Univ. \$49,282,
 2008. COSAM Faculty Travel Grant, \$500 to present at the Society for Integrative and Biology meeting, Jan 2009.
 2006. Professional Enhancement Grant, Coastal Carolina University.
 2006. Professional Activities Mini-Grant, Coastal Carolina University.
 2004. Professional Enhancement Grant, Coastal Carolina University.
 2004. Professional Activities Mini-Grant, Coastal Carolina University.
 2003. Professional Enhancement Grant, Coastal Carolina University.
 2003. Professional Activities Mini-Grant, Coastal Carolina University.
 2003. Professional Activities Mini-Grant, Coastal Carolina University.
 2002. Professional Enhancement Grant, Coastal Carolina University.
 1998. Graduate Student Travel Grant, Boston University.
 1992. William Bay Heald Award for Student Research, University of California, Santa Cruz.
 1992. Friends of the Long Marine Laboratory Award, University of California, Santa Cruz.

TEACHING**Teaching at Auburn University:**

Semester	Courses	% Taught	Contact Hours	Credits	Enrolled
Fall 2010	Biol 4980 Undergraduate Research	100	4-6	2	4
			8-10	4	1
Summer 2010	Biol 4980 Undergraduate Research	100	4-6	2	4
Spring 2009	Biol 4980 Undergraduate Research	100	4-6	2	8
			6-8	3	1
Fall 2010	Biol 4980 Undergraduate Research	100	4-6	2	10
			6-8	3	1
			8-10	4	2
Summer 2009	Biol 4980 Undergraduate Research	100	4-6	2	2
Spring 2009	Biol 4980 Undergraduate Research	100	4-6	2	11
Fall 2008	Biol 4980 Undergraduate Research	100	4-6	2	9
			6-8	3	1

Teaching at Coastal Carolina University:

Semester	Course (undergraduate unless noted)	Lecture or Lab	% Taught	Contact Hours	Credits	Enrolled
Spring 2007	General Biology: Ecology, Evolution, Plant & Animal Physiology	Lecture	100	3	3	1) 46 2) 27 3) 14
Spring 2007	Vertebrate Sampling and Collection (grad)	Combine	100	4	1-4	7
Fall 2006	Comparative Vertebrate Anatomy	Lecture	100	3	3	15
		Lab	100	4	1	15
Fall 2006	General Biology: Ecology, Evolution, Plant & Animal Physiology	Lecture	100	3	1	43
Spring 2006	General Biology: Ecology, Evolution, Plant & Animal Physiology	Lecture	100	3	3	1) 58 2) 41 3) 12
Fall 2005	Comparative Vertebrate Anatomy	Lecture	100	3	3	24
		Lab	100	4	1	24
Fall 2005	General Biology: Ecology, Evolution, Plant & Animal Physiology	Lecture	100	3	3	20
Summer 2005	Natural History of East Africa	Combine	50	4	4	18
Spring 2005	General Biology: Ecology, Evolution, Plant & Animal Physiology	Lecture	100	3	3	1) 52 2) 48 3) 18
Fall 2004	Comparative Vertebrate Anatomy	Lecture	100	3	3	17
		Lab	100	4	1	17
Fall 2004	Animal Behavior (undergrad & grad)	Lecture	50	3	3	18
		Lab	50	3	1	18
Summer 2004	Reproduction, a Model for Integrating Biological Disciplines (grad – education program)	Lecture	50	3	3	6
		Lab	50	3	1	6
Spring 2004	General Biology: Ecology, Evolution, Plant & Animal Physiology	Lecture	100	3	3	1) 46 2) 41 3) 21
Fall 2003	Comparative Vertebrate Anatomy	Lecture	100	3	3	19
		Lab	100	4	1	19
Fall 2003	General Biology: Ecology, Evolution, Plant & Animal Physiology	Lecture	100	3	3	53
Spring 2003	General Biology: Ecology, Evolution, Plant & Animal Physiology	Lecture	100	3	3	1) 51 2) 46
Spring 2003	General Biology: Ecology, Evolution, Plant & Animal Phys. Lab.	Lab	100	3	1	1) 21 2) 17
Fall 2002	Comparative Vertebrate Anatomy	Lecture	100	3	3	20
		Lab		4	1	20
Fall 2002	General Biology: Ecology, Evolution, Plant & Animal Physiology	Lecture	100	3	3	39

Laboratories taught at Boston University (1994-2000):

- Introductory Biology
- Vertebrate Zoology
- Evolutionary Ecology
- Evolution (non-majors)
- Biology of Mammals
- Animal Behavior
- Human Anatomy
- Plant Biology

STUDENTS***Graduate students whose work has been completed:***

Name	Grad. Date	Degree	Univ.	Current Position	Role
Travis Scott	Jan. 2009	MS	CCU	Peace Corp	Major professor
Ed Parsons	Nov. 2008	MS	CCU	Applying for PhD	Major professor
Kristal Huggins	Aug. 2008	MS	AU	Instructor Xavier U, N. Orleans	Committee member
Mario Lawrence	Jun. 2008	MS	CCU	MAT program - CCU	Major professor
Roy McClements	Jun. 2007	PhD	U. Sydney	Post-doc U. Sydney	External examiner

Graduate Students in progress:

Name	Start Date	Est. Compl.	Degree	Current status	Role
Emily Dunavant	Jan. 2010	Dec. 2012	M.S.	MS student	Major professor
Amy Skibiel	Aug. 2007	Jun. 2011	Ph.D.	PhD candidate	Major professor
Christina Booher	Aug. 2007	Jun. 2012	Ph.D.	PhD candidate	Major professor
Samuel Hirt	Aug. 2008	Jun. 2012	Ph.D.	Pre-candidacy	Committee member
Lelas 'Ches' Smith	Jan. 2006	Jun. 2010	M.S.	MS student	Committee member

Undergraduate research students at Auburn University:

- Fall 2010, Lauren Downing - current AU student, pre-vet.
- Fall 2010, Sarah Hand – current AU student, pre-pharmacy.
- Fall 2010, Jordan Parker - current AU student, pre-med.
- Summer-Fall 2010, Lisa Blumoehr - current AU student, pre-med.
- Summer-Fall 2010, Louise Latham – current AU student, pre-pharmacy.
- Summer-Fall 2010, Skaterrika Pointer – current AU student, pre-med.
- Summer-Fall 2010, Lauren Scruggs – current AU student, pre-med.
- Fall 2009, Jamarcus Barbers – current AU student, lab technology, Chemistry and Biochemistry.
- Fall 2009-Fall 201, Allison Chambers - current AU student, pre-vet.
- Fall 2009-Summer 210, Joseph Coffman - current AU student, pre-med.
- Fall 2009, Lindsey Harris – AU graduate, applying to dental school.
- Fall 2009-Fall 2010, Amanda Tidwell – current AU student, pre-vet.
- Fall 2009, Kathryn Watson - current AU graduate. Applying to physical therapy school.
- Summer 2009, Malory Chambers - AU graduate. Applying to med school.
- Summer 2009-Spring 2010, Tracie Donaldson - AU graduate, applying to med school.
- Summer 2009, Paul Gresham - AU graduate. Applying to med school.
- Summer 2009-summer 2010, Rachel Gulley - current AU student, Zoology major.
- Sumer 2009, Kathryn McMillian – AU graduate. Began nursing school, AU Montgomery fall 2009
- Summer 2009, Fall 2010, Paige Monfore - current AU student, pre-med.
- Summer 2009, Avery Travis - AU graduate. Applying pre-physical therapy school
- Summer 2009. Abby Weems – AU graduate. Applying to med school
- Spring 2009, Cassandra Bohlman – AU graduate.
- Spring 2009, Carrie Gentry – AU graduate.
- Spring 2009, Carrie Ingram –AU graduate. Began med school at UAB fall 2009
- Spring 2009, Hayley Kateon – transferred to Southern Alabama University.
- Spring 2009-Spring 2010, Morgan Luger – AU graduate. Began pharmacy school at AU fall 2010
- Spring 2009, Christopher Newton – AU graduate.
- Spring 2009, Evelyn Wong – current AU student, pre-vet.
- Fall 2008-Spring 2009, Michael Drake – AU graduate. Began vet school at St. Georges University, fall 2010.
- Fall 2008-Spring 2010, Kasey Gardner –AU graduate. Began med school at USA, fall 2010.
- Fall 2008, Kathryn Jeffreys –AU graduate. Began grad school at AU fall 2009.

Undergraduate research students at Auburn University - continued:

- Fall 2008-Spring 2010, Carolyn Kuhn – current AU student, pre-med.
- Fall 2008-Spring 2009, Mary Kate Markham – AU graduate. Began optometry school at Nova Southeastern University fall 2009.
- Fall 2008, Christina Robinson – transferred to U. of Alabama.
- Summer 2008, Laura Ellsaesser – AU graduate. Began vet school at NCSU, fall 2009.
- Summer 2008, Robyn Farmer – AU graduate.
- Summer 2008, Elizabeth Hartline – AU graduate.
- Summer 2008-summer 2010, Tia Filhiol – AU graduate. Began grad school at UT, fall 2010.
- Summer 2008-Spring 2009, Bryan Lee – Auburn high student. Began undergrad at MIT, fall 2009.
- Summer 2008-present, Matthew Ramirez – current AU student, Zoology major.

Undergraduate research students at Coastal Carolina University:

- 2006-2007, Stephanie George – lab technician, D. Resnick, UC Riverside
- 2006-2007, Genevieve Evans – CCU graduate. Began grad school at Brandeis University, fall 2010
- 2006, Melissa Oliver – CCU graduate
- 2005-2006, Sean Farmer – Applying to grad school.
- 2005, Justin Chastain – Pharmaceutical sales, SC.
- 2005-2006, Robbie Clifton – Pharmacy school, USC.
- 2005, Lindsey Kozlowski – Pharmacy school, USC.
- 2004-2006, Julie Polly – CCU graduate.
- 2004, Emily Marcus – CCU graduate.
- 2004, Elizabeth Dukes – CCU graduate.
- 2003, Elizabeth Shaw – Veterinary school, National University, Ireland
- 2003-2005, Amanda Melinchuk – Animal care staff at Charles River Laboratories
- 2003, Laura Mello – animal care staff for research facility, NM
- 2003, Amanda DeGrendele – dental hygienist, CA
- 2002-2004, Susan Yackey – veterinary office, Columbia, SC

Teaching and leadership workshops:

- 2004. Pacific Crest Teaching Institute workshop, 3 day workshop with invited speaker
- 2003. 'Building vital undergraduate STEM departments and programs' Project Kaleidoscope, 2 day workshop, Agnes Scott College, GA
- 2003. Master teacher workshop at CCU. 2 day workshop with invited speaker

EXTENSION

Served as a nutritional consultant for Kaytee Pet Products

- Coordinated study testing effectiveness of compounds added to bird seed as squirrel deterrents, Oct 2009-Sept 2010

Served as a nutritional consultant for Scott's Wild Bird seed:

- Coordinated study of seed preference in wild birds, Mar-Apr 2008.
- Presented at the Scotts Ornithology Summit Mar 19, 2008.

SERVICE

University Service:

Auburn University – Departmental committee

- Departmental awards committee (2008-2010)

Auburn University – College-wide activity/committee

- AU explore – May 2010

Coastal Carolina University – Departmental committees

- Bioblitz (2005)
- Faculty hiring committees (2004, 2005, 2006)
- Organized 'Eyes on Biology' public seminar series (2003-2004)
- Proactive committee (2002-2004)

Coastal Carolina University – College-wide committees

- Science council development (2004-2005)

Coastal Carolina University – University-wide committees

- Scholarship committee (2005-2007)
- Celebration of Inquiry scheduling committee (2005-2007)
- Core curriculum committee (2004-2006)
- Strategic planning committee (2004-2006)
- Summer grade school course: Biology of Bats (2003)

Academic community:

Peer review:

Journals:

- 2010. Zoo Biology (1)
- 2009. Behavioral Ecology and Sociobiology (1)
- 2008. New Zealand Journal of Marine and Freshwater Research (1)
- 2008. Zoo Biology (1)
- 2007. Zoo Biology (3)
- 2007. Physiological and Biochemical Zoology (1)
- 2007. American Journal of Primatology (1)
- 2006. Zoo Biology (1)
- 2005. Zoo Biology (1)
- Prior to 2005: reviewed manuscripts for : American Midland Naturalist, Ecoscience, Physiological and Biochemical Zoology, Zoo Biology

Book chapters:

- 2006. Ecological and Behavioral Methods for the Study of Bats (1)

Proposals:

- 2008. National Fish and Wildlife Foundation (1)
- 2003. City College of New York, Faculty Research Award (1)

Society activity:

- 2008-2010. Elected Secretary, Comparative Nutrition Society. Duties: maintain membership database, assist with organizing biennial symposium.
- 2006-2008. Elected Secretary, Comparative Nutrition Society. Duties: maintain membership database, assist with organizing biennial symposium.
- 2004-2006. Elected Secretary, Comparative Nutrition Society. Duties: maintain membership database, assist with organizing biennial symposium.
- 2003-2004. Appointed Secretary, Comparative Nutrition Society. Duties: maintain membership database, assist with organizing biennial symposium.
- 2003-current, Webmaster, Comparative Nutrition Society
- 1998-2000. Student Liaison, Comparative Nutrition Society

Community service:

Volunteer Consulting

- Provided advice to head pastor, church board, and Department of Health and Environmental Control on exclusion of ~2000 bats from abandon church (Cherry Hill).
- Obtained support from Santee Cooper Power Company in building bat houses for relocation of Cherry Hill church bats.

Press

- 2007. Interviewed about bat research for SC public television 'Expeditions with Patrick McMillian'. Aired May 2008.
- 2005. Interviewed by local TV news, Channel 13, Myrtle Beach, regarding Cherry Hill Bats.
- 2005. Interviewed by local TV news, Channel 15, Myrtle Beach, regarding Cherry Hill Bats.
- 2005. Interviewed by local newspaper, Sun News, Myrtle Beach, regarding Cherry Hill Bats.

Press continued:

- 2005. Interviewed by local newspaper, Horry Independent, Conway, regarding Cherry Hill Bats.
- 2004. Featured guest on 'Forever Wild', a Horry County environmental education TV series.
- 2003. Research featured in local newspaper, Sun News, Myrtle Beach.

Public presentations (adult audience)

- 2009. Seminar on bats Opelika/Auburn Lyon's Club
- 2007. Seminar on bats and vertebrate nutritional ecology, Master Naturalist, Spring Island
- 2007. Seminar on bats, Charleston Audubon Society
- 2006. Research seminar, Celebration of Inquiry, CCU
- 2005. Brief seminar on Darwin, Darwin Day, CCU
- 2005. Presentation on bat exclusion and service to community, SETOMA club
- 2004. Master Naturalist Advanced Training Session, "Surveying and Identifying Bats", Lubee Bat Conservancy, Gainesville, FL
- 2004. Women in science, Celebration of Inquiry, CCU
- 2003. Seminar on bats, CCU Renaissance Day
- 2003. Seminar on bats, CCU, Eyes on Biology series
- 2003. Seminar on bats, Low Country Institute, Spring Island, SC
- 2003. Seminar on bats, Horry County Audubon society

Public presentations (K-12 students)

- 2009. Bat display, Creepy Critters, AU Forest Ecology Research
- 2006. Presentation on bats, Swampfest, Playcard Environmental Center
- 2005. Presentation on bats, Waccamaw elementary
- 2005. Presentation on bats, Children's museum of South Carolina
- 2004. Workshop on bat biology, Junior scholars academy, CCU
- 2004. Presentation on bats, Children's museum of South Carolina
- 2003. Workshop on bat biology, Junior scholars academy, CCU
- 2003. Presentation on bats, Baby animal day, Playcard Environmental Center
- 2003. Presentation on bats, Waccamaw elementary
- 2003. Presentation on bats, Swampfest, Playcard Environmental Center