

Christy K. Wolovich

CONTACT

Florida Southern College
111 Lake Hollingsworth Dr.
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EDUCATION

Ph.D. University of Miami, Miami, FL 2006
Department of Biology; Advisor – Dr. Steven Green
Dissertation Title: Food sharing in monogamous owl monkeys (*Aotus* spp.)
National Science Foundation Graduate Research Fellow

Additional Graduate Coursework:
Latin American Primate Conservation Biology Field Course
Formosa, Argentina 2003

University of Tennessee 2000-2001
Animal Behavior and Ethological Psychology

B.S. University of North Florida, Jacksonville, FL 2000
Department of Biology
Honors Program
Interdisciplinary Honors Thesis; Advisor – Dr. John Eisler

PROFESSIONAL APPOINTMENTS

Associate Professor of Biology 2016 - present
Florida Southern College

Associate Professor of Biology 2014-2016
MacMurray College

Chair, Division of Natural Sciences & Mathematics, 2012-2014
MacMurray College

Assistant Professor of Biology 2010-2014
MacMurray College

Visiting Assistant Professor of Biology 2008-2009
PEACE Program (Promoting Educational & Cultural Exchange),
University of The Gambia via St. Mary's College of Maryland
St. Mary's College of Maryland

Visiting Assistant Professor of Animal Behavior 2007-2008
Bucknell University

COURSES TAUGHT

Course Title	Course Type	Institution(s)
<i>Animal Behavior</i>	Lecture & Lab	Florida Southern College MacMurray College St. Mary's College of MD Bucknell University
<i>Behavioral Ecology</i>	Lecture only (undergrad & graduate students)	Bucknell University
<i>Biogeography & GIS</i>	Lecture & Computer Lab	Florida Southern College
<i>Contemporary Bioscience</i>	Lab only	St. Mary's College of MD
<i>Ecology</i>	Lecture & Lab	Florida Southern College MacMurray College
<i>Ecology & Conservation of West Africa</i>	Study Abroad – The Gambia	MacMurray College St. Mary's College of MD
<i>Environmental Biology</i>	Lecture & Lab	MacMurray College
<i>Evolution</i>	Lecture only	MacMurray College
<i>Field Ecology</i>	Lecture & Lab	Florida Southern College
<i>General Biology II Biological Diversity</i>	Lecture & Lab	MacMurray College; Florida Southern College
<i>Human Biology</i>	Lecture & Lab	MacMurray College
<i>Microbiology</i>	Lab only	MacMurray College
<i>Primate Behavior & Ecology</i>	Lecture only	St. Mary's College of MD
<i>Research: Ecology</i>	Lecture & Lab	Florida Southern College
<i>Research Methods in Primatology</i>	Week-long field course Monkey Jungle, South Florida	St. Mary's College of MD
<i>Topics in Science</i>	Seminar course	MacMurray College
<i>Tropical Ecology</i>	Lecture & Junior Journey to The Gambia, West Africa	Florida Southern College
<i>Zoology</i>	Lecture & Lab	Florida Southern College MacMurray College

ADDITIONAL TEACHING EXPERIENCE	Coordinator and Instructor , Primate Conservation Workshop The Gambia, West Africa Educated Gambian researchers and wildlife officials about basic primate ecology and threats to primate populations.	2014
	Women in Science Mentor DuMond Conservancy for Primates and Tropical Forests <i>Primate Ecology and Research Methods</i> Taught middle school aged girls about primate ecology and behavior, and data collection techniques.	2007
	Teaching Assistant , University of Miami <i>Animal Behavior Laboratory</i> Designed and taught course with a focus on hypothesis testing, experimental design, analyses of data, and presentation of results. Students gained experience with Ethovision®, SoundRuler®, and Systat®.	2006
	Teaching Assistant , University of Miami <i>Readings in Behavioral Ecology</i> Co-designed and taught course focused on classic and new articles relevant to behavioral ecology. Students developed critical thinking skills for reading and discussing scientific journal articles.	2006
	Guest Teaching Assistant , University of Miami <i>Ecology Laboratory</i> – examined ideal free distribution using long-tailed macaques and squirrel monkeys at Monkey Jungle.	2006
	Teaching Assistant , University of Miami <i>General Biology</i> and <i>Evolution & Diversity</i> laboratory sections.	2001-2003
	Teaching Assistant , University of North Florida <i>Microbiology</i> and <i>General Biology</i> laboratory sections.	1999-2000
	Facilitator, Service Learning , University of North Florida <i>Environmental Issues</i> - led honors class in group discussions and project planning.	2000
	Biology and Chemistry Tutor , University of North Florida Science tutor at the Academic Resource Center.	1998-1999
	Mathematics and science tutor Kirby-Smith Middle School, Jacksonville, Florida Tutored 7 th grade inner city students in math and science.	1997

ADDITIONAL TRAINING

Introductory GIS Training, SeaGrant, Univ. of Florida ArcGIS analysis and mapping	2019
Faculty Professional Development, MacMurray College Topics: advising, use of on-line teaching resources, assessment, standardization of rubrics	2010-2014
Teaching Excellence Workshops, St. Mary's College of Maryland; Using wikis, discussion groups in blackboard, evaluating student writing, portfolios, oral expression, and critical thinking.	2008
Pedagogy Workshop, Bucknell University (* denotes mentored student)	2007

PEER-REVIEWED MANUSCRIPTS

Bowen, M., Miles, C., Hegseth, R., Anderson, C. M., Brandon, C. S., Langford, M. L., & **Wolovich, C. K.** 2021. The potential interplay between the glandular microbiome and scent marking behavior in owl monkeys (*Aotus nancymae*). *American Journal of Primatology*, e23324.

Wolovich, C.K., Tapanes, E., and Evans, S. 2018. Allogrooming in male-female pairs of captive owl monkeys (*Aotus nancymae*). *Folia Primatologica* 88 :483-496.

Fernandez-Duque, E., Burke, K., Schoenrok, K., Vallengia, C. R., and **Wolovich, C.K.** 2011. Hormonal monitoring of reproductive status in wild monogamous female owl monkeys of the Argentine Chaco. *Folia Primatologica* 82: 143-153.

Wolovich, C.K., Evans, S., and Green, S.M. 2010. Mated pairs of owl monkeys (*Aotus nancymae*) exhibit sex differences in response to unfamiliar male and female conspecifics. *American Journal of Primatology* 72: 942-950.

Wolovich, C.K., *Rivera, J., and Evans, S. 2010. Insect-foraging in captive owl monkeys (*Aotus nancymae*). *Folia Primatologica* 81: 63-72.

Wolovich, C.K., Evans, S., and French, J.A. 2008. Dads don't pay for sex but do buy the milk: food sharing and reproduction in owl monkeys (*Aotus* spp.). *Animal Behaviour*, 75: 1155-1163.

Wolovich, C.K., *Perea-Rodriguez, J.P. and Fernandez-Duque, E. 2008. Food transfers to young and mates in wild owl monkeys (*Aotus azarai*). *American Journal of Primatology*, 70: 211-221.

Wolovich, C.K., and Evans, S. 2007. Sociosexual behavior and chemical communication of nocturnal monogamous owl monkeys (*Aotus nancymaae*). *International Journal of Primatology*, 28: 1299-1313.

Wolovich, C.K., Feged, A., Evans, S., and Green, S.M. 2006. Social patterns of food sharing in monogamous owl monkeys. *American Journal of Primatology*, 68: 663-674.

MANUSCRIPTS IN PREP or PRESS

Hack, A., Fleck, C., Lautermilch, S., Woerle, S., Langford, M. L, Banks, S.M.L. and **Wolovich, C. K.** (in prep) Behavioral indicators of cortisol levels in captive pair-living owl monkeys (*Aotus nancymaae*). *Zoo Biology*.

Williams, D. R., Evans, S., Fernandez-Duque, E., Larson, S., Spence-Aizenberg, A., and **Wolovich, C.** (in press). Comparative Field and Capture Studies. In: *Owl Monkeys: Evolution, Behavioral Ecology and Conservation*. E. Fernandez-Duque, Springer.

Evans, S. and **Wolovich, C.K.** (in press). The owl monkeys of the DuMond Conservancy in Miami, USA – a scientific, educational and community asset. In: *Owl Monkeys: Evolution, Behavioral Ecology and Conservation*. E. Fernandez-Duque, Springer.

PEER-REVIEWED ABSTRACTS

Hack, A., Fleck, C., Lautermilch, S., Woerle, S., Langford, M. L, Banks, S.M.L. and **Wolovich, C. K.** in press. Behavioral indicators of cortisol levels in captive pair-living owl monkeys (*Aotus nancymaae*). *American Journal of Primatology*.

Wolovich, C.K., Prosser, S., Burkett, M., and Ambros, S. in press. An examination of the facial pelage of *Aotus nancymaae*: patterns in symmetry and potential heritability of markings. *American Journal of Primatology*.

Bowen, M.R., Miles, C., Hegseth, R., Anderson, C., Langford, M.L, **Wolovich, C.K.** 2020. Characterizing the microbiota of the subcaudal gland of *Aotus nancymaae*. *American Journal of Primatology*, 82.

Miles, C., Bowen, M. R., Hegseth, R., and **Wolovich, C.K.** 2020. Patterns of subcaudal scent marking in captive owl monkeys (*Aotus nancymaae*). 82.

Evans, S. and **Wolovich, C.K.** 2013. Is parental care in owl monkeys linked to insectivory? *American Journal of Primatology*, 75(S1): 32.

Wolovich, C.K., Perea-Rodriguez, J.P., and Evans, S. 2012. Behavioral responses to chemical signals in the nocturnal owl monkey (*Aotus nancymaae*). XXIV Congress of the International Primatological Society. Online only.

<https://www.asp.org/ips/ips2012/abstractDisplay.cfm?abstractID=3739&confEventID=3693>

Wolovich, C.K., *Skrabacz, K., *Egorova, E., *Boemio, M., and *Zdilla, K.M. 2011. Mixed-species associations of Western red colobus (*Ptilocolobus badius*) and green monkeys (*Chlorocebus sabaesus*) in The Gambia. *American Journal of Primatology* 73(S1):90.

*Zdilla, K.M., and **Wolovich, C.K.** 2011. Western red colobus (*Ptilocolobus badius temminckii*) and green vervet (*Chlorocebus sabaesus*) distribution, resource use, and behavior in a forest fragment of The Gambia. *American Journal of Primatology* 73(S1): 88.

Evans, S., **Wolovich, C.**, Herrera, J. 2009. Aggression in captive owl monkeys (genus *Aotus*). *American Journal of Primatology* 71(S1): 97.

Herrera J.P., Taylor L.L., **Wolovich C.K.**, and Evans S. 2009. Whispers in the dark: bioacoustics signatures in owl monkeys. *American Journal of Physical Anthropology* 138 (S48): 148.

Evans, S., and **Wolovich, C.K.** 2008. Mentors and monkeys: engaging minority middle school girls in scientific exploration. *American Journal of Primatology* 70(S1): 38.

*Hooff, S.B. and **Wolovich, C.K.** 2008. Captive owl monkeys respond to novel flavors with neophobia, discrimination, and food sharing. *American Journal of Primatology* 70(S1): 48.

Hores, R.M., Wolovich, C.K. and Evans, S. 2008. Is it worth the risk? Novel food presentation affects behavior in captive owl monkeys (*Aotus* spp.). *American Journal of Primatology*, 70 (S1): 54.

Wolovich, C.K., *Hooff, S., and Evans, S. 2008. Owl monkeys don't just give a hoot: preferred food elicits trills. *American Journal of Primatology* 70 (S1): 61.

Wolovich, C.K., Evans, S., and French, J.A. 2007. Dads don't pay for sex but do buy the milk: food sharing and reproduction in owl monkeys (*Aotus* spp.). *American Journal of Primatology*.69 (S1): 34.

*Tapanes, E., **Wolovich, C.K.**, and Evans, S. 2007. Leaping into the night: when owl monkeys awake. *American Journal of Primatology* 69 (S1): 57.

*Rivera, J., **Wolovich, C.K.**, and Evans, S. 2007. Will work for food: insect foraging in owl monkeys (*Aotus nancymaae*). *American Journal of Primatology* 69 (S1) 59.

Wolovich, C.K., *Perea-Rodriguez, J.P., and Fernandez-Duque, E. 2007. Food sharing as a form of paternal care in wild owl monkeys (*Aotus azarai*). *American Journal of Physical Anthropology* 132 (S44): 252.

Wolovich, C.K., and Evans, S. 2006. Unfamiliar conspecifics induce mate-guarding in the monogamous owl monkey (*Aotus nancymaae*). *International Journal of Primatology*, 27(Suppl 1): Abst #174

Wolovich, C.K., and Evans, S. 2006. Sociosexual behavior of monogamous owl monkeys(*Aotus* spp.). *International Journal of Primatology*, 27(S1): Abst #351.

Wolovich, C., Holbrook, G., Chambers, C., Cooper, R., and Evans, S. 2005. Seasonal reproduction in captive owl monkeys. *American Journal of Primatology*, 66(S1): 122.

Wolovich, C. and Evans, S. 2004. Feeding behavior of infant owl monkeys (*Aotus nancymaae*): development, food transfers and insect foraging. *Folia Primatologica*, 75(S1): 351.

Feged, A., **Wolovich, C.** and Evans, S. 2002. Food sharing in owl monkeys. *American Journal of Primatology*, 57(S1): 26.

GRANTS AND AWARDS

Faculty/Student Collaborative Research Grant, Florida Southern College 2020, 2021

An experimental examination into the function of scent marking in owl monkeys (*Aotus nancymaae*): the role of overmarking in the transmission of glandular microbiota.

Faculty/Student Collaborative Research Grant, Florida Southern College 2018

Sex differences in the subcaudal glands of nocturnal owl monkeys: an examination of behavior and microbiota

Faculty/Student Collaborative Research Grant, Florida Southern College 2017

The role of insect foraging in the evolution of paternal care in a nocturnal primate

Dewey Wilkins Excellence in Teaching Award, MacMurray College 2013

Faculty Development Grant, MacMurray College 2012
Behavioral responses to chemical signals in the nocturnal owl monkey (*Aotus nancymaae*)

Faculty Development Grant, MacMurray College 2011
Mixed-species associations of monkeys in The Gambia.

Outstanding Teaching Assistant in Biology, University of Miami 2007

Women in Science Grant Educating middle school girls about the tools and techniques in science at the DuMond Conservancy for Primates and Tropical Forests.	2006
Kushlin/Frohling Grant, University of Miami Food sharing between mates in the monogamous owl monkey (<i>Aotus nancymaae</i>): a test of the female nutrition hypothesis.	2006
1st place Natural Sciences – poster University of Miami Creativity and Research Forum Food sharing between mates in the monogamous owl monkey (<i>Aotus nancymaae</i>): the importance of female reproductive state.	2006
Kriloff Award, University of Miami	2004
Provost's travel award, University of Miami Award to present at IPS conference, Turin, Italy	2004
National Science Foundation Graduate Research Fellowship The effects of food sharing on reproductive success in owl monkeys (<i>Aotus</i> spp.).	2003
Provost's travel award, University of Miami	2002
GAFAC award, University of Miami Awards to present at ASP conference, OK, USA	2002
Jay Savage Fund, University of Miami Pair-bonding behaviors and their relationship to the proportion of extra-pair young in three species of gibbons (<i>Symphalangus</i> <i>syndactylus</i> , <i>Hylobates lar</i> , and <i>H. agilis</i>).	2002

ORAL

- PRESENTATIONS** 2020 - Feeding motivation affects the production of trills in owl monkeys (*Aotus nancymaae*). South Florida Primatologists, Ft. Pierce, FL.
- 2018 – Behavioral responses of owl monkeys (*Aotus nancymaae*) to chemical cues of potential predators. South Florida Primatologists, Melbourne, FL.
- 2015 - The Gambia. Jacksonville, IL Public Library.
- 2013 – Wildlife and life in the Gambia. Audubon Society, Jacksonville, IL.
- 2012 – Behavioral responses to chemical signals in the nocturnal owl monkey. International Primatological Society, Cancun, Mexico.

- 2008 - Owl monkeys don't just give a hoot: preferred food elicits trills. American Society of Primatologists, West Palm Beach, FL, USA.
- 2008 – Invited Speaker: Dads don't pay for sex, but do buy the milk: food sharing and reproduction in owl monkeys. University of Chicago, Chicago, IL, USA.
- 2007 – Dads don't pay for sex, but do buy the milk: food sharing and reproduction in owl monkeys. American Society of Primatologists, Winston-Salem, NC, USA.
- 2007 – Invited Speaker: Food sharing as a form of paternal care in owl monkeys. American Society of Physical Anthropologists, Philadelphia, PA, USA.
- 2006 – Dads don't pay for sex, but do buy the milk: food sharing and reproduction in owl monkeys. Animal Behavior Society, Snowbird, Utah, USA.
- 2004 – Feeding behavior of infant owl monkeys (*Aotus nancymae*): development, food transfers, and insect foraging, International Primatological Society, Turin, Italy.
- 2002 – Food sharing in monogamous owl monkeys (*Aotus* spp.). American Society of Primatologists, Oklahoma City, Oklahoma, USA.
- 2002 – Food sharing in monogamous owl monkeys (*Aotus* spp.). Center for Tropical Biology, Miami, Florida, USA.

**POSTER
PRESENTATIONS**

- 2018 - Wolovich, C.K., *Fils-aime, G., *Sliwa, M., and *Blomquist, M. 2018. Behavioral responses of owl monkeys (*Aotus nancymae*) to chemical cues of potential predators. American Society of Primatologists, San Antonio, TX, USA.
- 2017 – Forest strata use by Western red colobus monkeys (*Ptilocolobus badius*) in the presence and absence of green vervet monkey (*Chlorocebus sabaeus*) in Bijilo Forest Park, The Gambia. South Florida Primatologists, Loxahatchee, FL, USA.
- 2015 – Forest strata use by Western red colobus monkeys (*Ptilocolobus badius*) in presence and absence of green vervet monkeys (*Chlorocebus sabaeus*) in Bijilo Forest Park, the Gambia. Ecological Society of America, Baltimore, MD, USA.
- 2015 – Interspecific competition in fox (*Sciurus niger*) and gray squirrels (*Sciurus carolinensis*). Ecological Society of America, Baltimore, MD, USA.

**CONSERVATION
EDUCATION**

Boemio, M. and **Wolovich, C.** 2021. *Mangroves: Conservation for Caring Citizens*. Academx Publishing Services. ISBN: 978-1-68284-836-4.

Wolovich, C.K., Shanee, S., Maldonado, A., Mendez-Carvajal, P., Perea-Rodriguez, J.P., Tabares, S., de la Chica, A. G., and Evans, S. 2021. A call-to-action to assist efforts to protect owl monkeys. *Conservation Action Network Newsletter*, 2 (3)

Wolovich, C.K. and Cramer, J. 2020. Endangered Red Colobus. *Conservation Action Network Newsletter*, 3. American Society of Primatologists.

Wolovich, C. and Boemio, M. 2020. *Temminck's Red Colobus: Communities for Caring Conservation*. Academx Publishing Services. ISBN: 978-1-68284-775-6

**PROFESSIONAL
SERVICE**

Chair, Institute for Animal Care and Use Committee, Florida Southern College	2017-present
Animal Care and Use Committee, DuMond Conservancy	2016-present
Conservation Committee, American Society of Primatologists	2019-present
Faculty Status Committee, MacMurray College	2015
Faculty Representative to Board of Trustees, MacMurray College Infrastructure & Technology Committee	2014
Academic Standards Committee, MacMurray College	2014
Presidential Advisory Committee, MacMurray College	2012-2013
Curriculum Committee, MacMurray College	2012-2013
Grant Reviewer, Wenner-Gren Foundation	2012
Admissions Committee, MacMurray College	2011
Reviewer <i>Animal Behaviour, American Journal of Primatology, International Zoological Yearbook, International Journal of Primatology, Primate Conservation</i>	2010-present

**POPULAR
SCIENCE**

Wolovich, C.K. and Cramer, J. 2020. Endangered Red Colobus. *Conservation Action Network Newsletter*, 3. American Society of Primatologists.

Photo: owl monkey. 2012. Monkeys' many faces. BBC Nature.
<http://www.bbc.co.uk/nature/16508266>

Cover photo: owl monkey. 2008. *American Journal of Primatology*, 70(4).

Research featured on: Canadian Discovery Channel's *Daily Planet*. May 9, 2007. Owl monkeys at the DuMond Conservancy.

Wolovich, C.K. 2006. Conservancy researchers gone wild. *Positively Primates*, 11: 1.

MENTORING OUTCOMES

Years	Student	School	Project	Accomplishments
2018-2020	Malique Bowen	Florida Southern College	Characterization of microbiota of the subcadual gland in owl monkeys	M.S. in Marine Science, University of Delaware - currently enrolled
	Carly Miles	Florida Southern College	Patterns of scent marking in <i>Aotus nancymaae</i>	M.S. in Biological Anthropology, Florida Atlantic University - currently enrolled
2017-2018	Megan Blomquist	Florida Southern College	Responses of owl monkeys to chemical cues of potential predators	D.V.M. University of Minnesota - currently enrolled
	Madeline Sliwa	Florida Southern College	The use of c-peptide to measure energetic condition in relation to insect foraging in <i>Aotus nancymaae</i>	D.V.M., University of Tennessee - currently enrolled
	Guerbine Fils-aime	Florida Southern College	Vocal responses of owl monkeys to chemical cues of potential predators	M.S. in Environmental Science, Duke University - currently enrolled
2012-2015	Megan Boemio	Hood College	Forest strata use of red colobus monkeys in relation to mixed-species associations with green vervet monkeys	M.S. in Environmental Biology, Hood College
2013-2014	Rochelle McElroy	MacMurray College	Interspecific competition between gray and fox squirrels	M.S. in Biology, University of Illinois Springfield - accepted
2009-2010	Elena Egorova	St. Mary's College of Maryland	Impacts of ecotourism on the behavior of <i>Chlorocebus sabaues</i> in The Gambia	M.S. in Environmental Biology, University of California, Santa Barbara
	Katelin McConkey	St. Mary's College of Maryland	Behavioral development of captive sun bears in Cambodia	D.V.M., Ross Veterinary School
	Kelly Skrabacz	St. Mary's College of Maryland	Vertical stratification and social interactions in <i>Ptilocolobus badius</i>	M.S. Environmental Biology, Coastal Carolina University - accepted
	Katherine Zdilla	St. Mary's College of Maryland	Distribution of <i>P. badius</i> and <i>C. sabaues</i> relative to food distribution and the edge in a small forest fragment	M.S. in Sustainable Development and Conservation Biology, University of Maryland; Senior Program Office, WWF
2008	Drew Solyst	St. Mary's College of Maryland	Social behavior in semi-free ranging <i>Saimiri</i>	Ph.D. in Neuroscience, Emory University
	Emily Myron	St. Mary's College of Maryland	Social behavior in semi-free ranging <i>Saimiri</i>	M.S. in Environmental Management, Duke University
2007-2008	Beckham Hooff	Bucknell University	Food neophobia in <i>Aotus nancymaae</i> . Food-associated calls in <i>A. nancymaae</i> .	Completed Fulbright Fellow, M.S. in Environmental Science, Budapest
2006-2007	Rose Hores	Florida Atlantic University	Foraging decisions related to risk in <i>A. nancymaae</i> .	Ph.D. in Anthropology, Southern Illinois University

Years	Student	School	Project	Accomplishments
2004-2006	Wilfredo Cotto	Barry University	Chemical signals in owl monkeys (<i>Aotus</i>)	Animal trainer, Zoo Miami
	Juan Pablo Perea	Florida International University	Food sharing in captive and wild populations of owl monkeys (<i>Aotus</i>)	Ph.D. in Ecology, University of California, Riverside
	Elizabeth Tapanes	Florida International University	Activity patterns of captive owl monkeys (<i>Aotus</i>)	Ph.D in Anthropology, George Washington University
2002-2003	Rebecca Bearman	University of Miami	Behavioral enrichment and food sharing in owl monkeys (<i>Aotus</i>)	Animal trainer, Zoo Atlanta