

Troy G. Murphy

**Professor
Trinity University
Dept Biology**

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Education

Ph.D. Cornell University, Neurobiology and Behavior (2005)

B.S. University of Arizona, Ecology and Evolutionary Biology, Cum Laude (1996)

Academic Positions

Professor, Trinity University (2023 - present)

Associate Professor, Trinity University (2015 - 2023)

Assistant Professor, Trinity University (2009 - 2015)

NSF International Postdoctoral Fellow, Queen's University (2007 - 2009)

Postdoctoral Research Associate, University of Maryland Baltimore County (2006 - 2007)

Personal Information

U.S. Citizen; Born 1973; Languages: English and passable Spanish

Research Interests

Behavioral Ecology: social and sexual selection, female competition, and animal communication

I study the evolutionary processes that select for communication signals in animals, with an emphasis on social selection and the role of female ornamentation in mediating competition and conflict resolution. My lab is currently investigating fitness costs associated with female aggression, with focus on maternal effects.

We are also studying bi-directional feedback between a female's social competitive environment and the dynamics of signal expression.

Research & Teaching Grants and Fellowships

Texas Ecolab Research Grants (yr2010-present; \$238,000)

Netherlands Organization for Scientific Research, Visiting Scholar Sabbatical Fellowship (yr2017)

Smithsonian Institution National Museum of Natural History, Senior Research Fellow (yr2017-18)

Smithsonian Institution National Museum of Natural History, Short-term Visitor Award (yr2016)

Northrup Junior Faculty Fellowship, Trinity University (yr2010-2011)

National Science Foundation, International Research Fellowship (yr2007-2009: \$195,000)

National Science Foundation, Science Inquiry Teaching Fellowship (yr2004)

National Science Foundation, Dissertation Improvement Grant (yr2002: \$10,000)

National Institute of Mental Health, Pre-doctoral Fellowship (yr1998-2001)

Research awards as a graduate student: Sigma Xi (yr2004, 2002, 2001, 2000, 1999); Museum of Natural History (yr2001, 2000, 1999); American Ornithologists' Union (yrs2001, 2000); Cornell Laboratory of Ornithology (yr2002, 2001, 2000, 1999); Mario Einaudi Center for International Studies (yr2002, 2001, 2000, 1999); Animal Behavior Society (yr2000); Andrew W. Mellon (yr2000); Explorers Club (yr2000, 1999).

Refereed Publications (*student author)

- van der Velde, M., Borger M. J. *, Johnson L. E. *, **Murphy T. G.**^, Komdeur J.^ (2022) No genetic evidence for parent-offspring relatedness in post-breeding social groups of Black-crested Titmouse (*Baeolophus atricristatus*). The Wilson Journal of Ornithology. 134: 19-26. ^authors contributed equally
- Borger M. J. *, Johnson L. E. *, Salazar N. O. *, Dreghorn C. L. *, Komdeur J.^, **Murphy T. G.**^ (2020) The influence of social-grouping on territorial defense behavior in the black-crested titmouse (*Baeolophus atricristatus*). Behavioral Ecology and Sociobiology 74:141. ^authors contributed equally
- Kiere L. M.^*, **Murphy T. G.**^, García-Muñoz A. *, Osorio-Beristain, M. (2019) Ritualized display of a leaf: A putative agonistic signal in both sexes of a tropical bird. Behavioural Processes 168:103954. ^authors contributed equally
- Queller P. S. *, **Murphy T. G.** (2019) Painted Bunting (*Passerina ciris*) caught in the web of a giant lichen orb-weaver spider (*Araneus bicentenarius*). The Wilson Journal of Ornithology 131(1):191–194, 2019.
- Queller P. S. *, **Murphy T. G.** (2017) Seasonal variation in the utility of a status signaling system: plumage ornament predicts foraging success only during periods of high competition. PLoS ONE 12: e0185584.
- Tarvin K. A., Wong L. J. *, Lumpkin C. D. *, Schroeder G. M. *, D’Andrea D. *, Meade S. *, Rivers P. *, **Murphy T. G.** (2016). Dynamic status signal reflects outcome of social interactions, but not energetic stress. Frontiers in Ecology and Evolution 4:79.
- Simpson, R. K. *, Johnson, M. A., **Murphy T. G.** (2015) Migration and the evolution of sexual dichromatism: evolutionary loss of female coloration with migration among wood-warblers. Proceedings of the Royal Society, B 282: 20150375.
- Lumpkin D. C. *, **Murphy T. G.**, Tarvin K. A. (2014) Blood parasite infection differentially relates to carotenoid-based plumage and bill color in the American goldfinch. Ecology and Evolution 4: 3210–3217.
- Murphy T. G.**, West J. A. *, Pham T. T. *, Cevallos L. M. *, Simpson R. K. *, Tarvin K. A. (2014) Same trait, different receiver response: Unlike females, male American goldfinches do not signal status with bill colour. Animal Behaviour 93: 121-127.
- Pham T. T. *, Queller P. S. *, Tarvin K. A., **Murphy T. G.** (2014) Honesty of a dynamic female aggressive status signal: baseline testosterone relates to bill color in female American goldfinches. Journal of Avian Biology 45: 22-28.
- Cook E. G. *, **Murphy T. G.**, Johnson M. A. (2013) Colorful displays signal male quality in a tropical anole lizard. Naturwissenschaften 100: 993-996.
- Rosenthal M. F. *, **Murphy T. G.**, Darling N., Tarvin K. A. (2012) Ornamental bill color rapidly signals changing condition. Journal of Avian Biology 43: 553-564.

- Tarvin K. A., **Murphy T. G.** (2012) It isn't always sexy when both are bright and shiny: considering alternatives to sexual selection in elaborate monomorphic species. Ibis 154: 439-443. (invited commentary)
- Kelly R. J.*^, **Murphy T. G.**^, Tarvin K. A., and Burness G. (2012) Carotenoid-based ornaments of female and male American goldfinches (*Spinus tristis*) show sex-specific correlations with immune function and metabolic rate. Physiological and Biochemical Zoology 85: 348-363. ^authors contributed equally
- Murphy T. G.**, Pham T. T.* (2012) Condition and brightness of structural blue-green: motmot tail-racket brightness is related to speed of feather growth in males, but not in females. Biological Journal of the Linnean Society 106: 673-681.
- Hall Z. J.*, MacDougall-Shackleton S. A., Osorio-Beristain M., **Murphy T. G.** (2010) Male-bias in song-control system despite female-bias in song rate in the streak-backed oriole (*Icterus pustulatus*). Brain, Behavior and Evolution 76: 168-175.
- Murphy T. G.**, Rohwer V. G.*, Scholes E. (2010) Breeding biology and longevity of the Russet-crowned Motmot (*Momotus mexicanus*) in central Mexico. Journal of Field Ornithology 81: 13-16.
- Murphy T. G.** (2010) Tail-racket removal increases hematocrit in male turquoise-browed motmots. Journal of Ornithology 151: 241-245.
- Murphy T. G.**, Rosenthal M. F.*, Montgomerie R., Tarvin K. A. (2009) Female American goldfinches use carotenoid-based bill coloration to signal status. Behavioral Ecology 20: 1348-1355.
- Murphy T. G.**, Hernández-Muciño D.*, Osorio-Beristain M., Montgomerie R., Omland K. E. (2009) Carotenoid-based status signaling by females in the tropical streak-backed oriole. Behavioral Ecology 20: 1000-1006.
- Price J. J., Yunes-Jiménez L. *, Osorio-Beristain M., Omland K. E., **Murphy T. G.** (2008) Sex-role reversal in song? Females sing more frequently than males in the streak-backed oriole (*Icterus pustulatus*). Condor 110: 387-392.
- Murphy T. G.** (2008) Lack of assortative mating for tail, phenotypic condition, or body-size in the elaborate monomorphic Turquoise-browed Motmot (*Eumomota superciliosa*). Auk 125: 11-19. (cover article).
- Murphy T. G.** (2008) Display of an inedible prop as a signal of aggression? Adaptive significance of leaf-display by the turquoise-browed motmot, *Eumomota superciliosa*. Ethology 114: 16-21.
- Couri M. S., **Murphy T. G.**, Hoebeke E. R. (2007) *Philornis fasciventris* (Wulp) (Diptera: Muscidae): description of the male, larva and puparium, with notes on biology and host association. Neotropical Entomology 36: 889-893.
- Murphy T. G.** (2007) Dishonest 'preemptive' pursuit-deterrent signal? Why the turquoise-browed motmot wags its tail before feeding nestlings. Animal Behaviour 73: 965-970.
- Murphy T. G.** (2007) Racketed-tail of the male and female turquoise-browed motmot: male but not female tail length correlates with pairing success, performance, and reproductive success. Behavioral Ecology and Sociobiology 61: 911-918.
- Murphy T. G.** (2007) Lack of melanized keratin and barbs that fall off: how the racketed tail of the turquoise-browed motmot *Eumomota superciliosa* is formed. Journal of Avian Biology 38: 139-143.

Murphy T. G. (2006) Predator-elicited visual signal: why the turquoise-browed motmot wag-displays its racketed tail. Behavioral Ecology 17: 547-553.

Moran N. A., Kaplan M. E., Gelsey M. J., **Murphy T. G.**, Scholes E. (1999) Phylogenetics and evolution of the aphid genus *Uroleucon* based on mitochondrial and nuclear DNA sequences. Systematic Entomology 24: 85-93.

Papers Presented at Meetings (*student author)

Liang, J. *, **Murphy T. G.** (2022) Effect of microclimate on nest selection and nesting success in the black-crested titmouse. Texas Wildlife Society, Marble Falls, TX.

Dykstra, M. *, **Murphy T. G.** (2022) Doves slap the s**t out of each other: Morphological analysis of weaponized wings. Texas Wildlife Society, Marble Falls, TX.

Murphy T. G., Korsten P., Birker M. *, Marfull Castro R. *, Komdeur J. (2019) Experimentally increasing perceived competition for nests reduces female reproductive performance and extra-pair offspring. American Ornithological Society, Anchorage, AK.

Marfull Castro R. *, **Murphy T. G.**, Korsten P., Komdeur J. (2018) Probability of begging, but not its intensity, reflects offspring need, and parents feed accordingly. International Society of Behavioral Ecology, Minneapolis, MN.

Murphy T. G., Korsten P., Birker M. *, Marfull Castro R. *, Komdeur J. (2018) Aggressive females trade-off aggression with parental investment: female blue tits (*Cyanistes caeruleus*) suffer reproductive costs when they defend their nest. American Ornithological Society, Tucson, AZ.

Freund D.R. *, **Murphy T. G.** (2018) The effect of testosterone on dominance and status signaling in the female American goldfinch (*Spinus tristus*). Society for the Integrative and Comparative Biology, San Francisco, CA.

Murphy T. G., Tarvin K. A. (2017) He's a good dad unless she's a fighter: Male parental effort in American goldfinches reflects female expression of a socially-selected status signal. International Ethological Conference, Estoril, Portugal.

Tarvin K. A., **Murphy T. G.** (2017) He's a good dad unless she's a fighter: Male parental effort in American goldfinches reflects female expression of a socially-selected status signal. American Ornithological Society, East Lansing, MI.

Ivanov B. M., **Murphy T. G.**, Johnson M. A. (2017) Green Anoles, Brown Bodies: Does "loser Effect" Influence Dorsal Coloration In Lizards? Society for the Integrative and Comparative Biology, New Orleans, LA.

Murphy T. G., Queller P. S. * (2016) Resource defense and facultative status signaling across fluctuating competitive social environments. International Society of Behavioral Ecology, Exeter, UK.

Heppard J. M. *, **Murphy T. G.** (2015) Female Siamese fighting fish (*Betta splendens*) modulate investment in aggression during contest-competition depending on resource value. Society for the Integrative and Comparative Biology, West Palm Beach, FL.

Simpson R. K. *, Johnson M. A., **Murphy T. G.** (2014) Migration and the evolution of sexual dichromatism: loss of female coloration is associated with migration distance in wood warblers. International Society of Behavioral Ecology, New York, NY.

Tarvin K. A., **Murphy T. G.** (2014) Does bill color of female American goldfinches specifically signal social stress? Animal Behavior Society, Princeton, NJ.

- Murphy T. G.**, Pham T. T.*, Queller P. S. *, Tarvin K. A. (2013) Honesty of a female aggressive status signal: baseline testosterone relates to bill color in female American goldfinches. Animal Behavior Society, Boulder, CO.
- Mitts M. D.*, **Murphy T. G.** (2013) Female ornamentation as an indicator of immune stress in the black-crested titmouse. Animal Behavior Society, Boulder, CO.
- Queller P. S.*, **Murphy T. G.** (2013) Crest size, dominance, and space use in the black-crested titmouse. Animal Behavior Society, Boulder, CO.
- Murphy T. G.**, Pham T. T.*, Queller P. S. *, Tarvin, K. A. (2013) Honesty of a female status signal and physiological investment into aggression: baseline testosterone and bill color in female American goldfinches (*Spinus tristis*). American Ornithologists' Union, Chicago, IL.
- Cook E. G.*, Munoz M. M., Conover A. E., Shields I. H. *, Boronow K. E., **Murphy T. G.**, Johnson M.A. (2013) Is dewlap color an honest indicator of health in Anolis lizards? An analysis of population differences in body condition and parasite load. Society for the Integrative and Comparative Biology, San Francisco, CA.
- Cook E. G.*, Munoz M. M., Conover A. E., Shields I. H. *, Boronow K. E., **Murphy T. G.**, Johnson M.A. (2012) Does display coloration indicate lizard health? An investigation of differences in body condition, parasite load, and dewlap color in different populations of Caribbean Anolis lizards. Texas Herpetological Society, Austin, TX.
- Murphy T. G.**, Pham T. P.* (2012) Condition and brightness of structural blue-green: motmot tail-racket brightness is related to speed of feather growth in males, but not in females. North American Ornithological Council, Vancouver, Canada.
- Tarvin, K. A., Revells C. E. *, Beresin G. A. *, **Murphy T. G.** (2012) Hatching asynchrony occurs independent of the onset of incubation in American goldfinches. North American Ornithological Council, Vancouver, Canada.
- Cook E. G.*, **Murphy T. G.**, Johnson M.A. (2012) Highly-parasitized Caribbean lizards (*Anolis brevirostris*) exhibit less colorful, less frequent social displays. Society for the Integrative and Comparative Biology, Charleston, SC.
- West, J. A. *,**Murphy T. G.** (2012) No evidence of female eavesdropping, but females associate with winners. Society for the Integrative and Comparative Biology, Charleston, SC.
- Murphy T. G.**, West, J. A. *, Pham, T. P.*, Tarvin, K. A. (2011) Same trait, different signals: female goldfinches signal status with bill color, but males do not. International Ethological Conference and Animal Behavior Society, Bloomington, IN.
- Simpson, R. K. *, **Murphy T. G.** (2011) The loss of female ornamentation: does the cost of migration favor sexual dichromatism in warblers? International Ethological Conference and Animal Behavior Society, Bloomington, IN.
- Tarvin K. A., Rosenthal M. F. *, **Murphy T. G.** (2011) Variation in a dynamic signal is related to initial trait value in American goldfinches. American Ornithologists' Union, Jacksonville, FL.
- Hall Z. J.*, MacDougall-Shackleton S. A., Osorio-Beristain M., **Murphy T.G.** (2010) Male-biased sex differences in song-control brain regions of a songbird with female-biased singing. Society for Behavioural Neuroendocrinology, Toronto, Ontario.
- Murphy T. G.**, Hernández-Muciño D.*, Osorio-Beristain M. (2010) Female status signaling in a tropical elaborate monomorphic oriole. Southwest Association of Naturalists, Junction, TX.
- Murphy T. G.**, Pham T. T. (2010) Sexual dichromatism of tail color in the elaborate monomorphic turquoise-browed motmot. Southwest Association of Naturalists, Junction, TX.

- Murphy T. G.**, Rosenthal M. F.*, Montgomerie R., Tarvin K. A. (2010) Female American goldfinches use carotenoid-based bill coloration to signal status American Ornithologists' Union, San Diego, CA.
- Murphy T. G.**, Rosenthal M. F.*, Montgomerie R., Tarvin K. A. (2009) Female status signaling via carotenoid-based bill coloration in the American goldfinch. Animal Behaviour Society, Pirenópolis, Brazil.
- Tarvin K. A., Bishop M. E.*, Lauterbur M.E.*, Russo L.*, Rosenthal M.F.*, **Murphy T. G.** (2009) Does ornamentation of female goldfinches increase male parental investment? Animal Behaviour Society, Pirenópolis, Brazil.
- Kelly R. J.*, **Murphy T. G.**, Tarvin K. A., and Burness G. (2009) Does ornamentation of female American goldfinches signal immune function and metabolic rate? Canadian Society for Ecology and Evolution, Halifax, Nova Scotia.
- Rosenthal M. F.*, **Murphy T. G.**, Tarvin K. A. (2009) Effects of acute immune response on American goldfinch bill color. Wilson Ornithological Society, Pittsburgh, PA.
- Wisebram, H*. **Murphy T. G.**, Tarvin K. A. (2009) Effect of female bill color on male parental contribution in the American goldfinch. Wilson Ornithological Society, Pittsburgh, PA.
- Beresin G. A.*, **Murphy T. G.**, Tarvin K. A. (2009) Onset of incubation is not the only mechanism controlling hatching synchronicity in American goldfinches. Wilson Ornithological Society, Pittsburgh, PA.
- Yunes-Jiménez L.*, Osorio-Beristain M., **Murphy T. G.** (2008) Sexual differences in territorial behavior of the Streak-backed Oriole. Congreso Mexicano de Ecología, Merida, Yucatan.
- Murphy T. G.**, Osorio-Beristain M., Montgomerie R., Omland K. E. (2008) Female carotenoid based status signaling in a tropical elaborate-monomorphic oriole. International Society for Behavioral Ecology, Ithaca, NY.
- Tarvin K. A., **Murphy T. G.** (2008) Does bill color of female American goldfinches influence male parental investment? Animal Behaviour Society, Snowbird, UT.
- Murphy T. G.**, Osorio-Beristain M., Montgomerie R., Omland K. E. (2008) Female carotenoid based status signaling in a tropical elaborate-monomorphic oriole. American Ornithologists' Union, Portland, OR.
- Murphy T. G.** (2007) Display of an inedible prop as a signal of aggression? Adaptive significance of motmot's leaf-display. Society of Canadian Ornithologists, Lake Opinicon, Ontario.
- Murphy T. G.** (2007) Wag of the motmot: honest signaling in one context, dishonest in another. Animal Behaviour Society, Burlington, VT.
- Murphy T. G.** (2006) Predator-elicited visual signal: why the turquoise-browed motmot wags displays its racketed tail. North American Ornithological Council, Veracruz, Mexico.
- Murphy T. G.** (2005) Motmots do not pluck their tail-wires. American Ornithologists' Union, Santa Barbara, CA.
- Murphy T. G.** (2005) Combined effects of sexual and natural selection on the racketed-tail of the turquoise-browed motmot. Animal Behaviour Society, Snowbird, UT.
- Murphy T. G.** (2004) Function of elaborate male and female plumage in the turquoise-browed motmot. American Ornithologists' Union, Quebec City, CA.
- Murphy T. G.** (2004) Function of elaborate male and female plumage in the turquoise-browed motmot. Animal Behaviour Society, Oaxaca, Mexico.
- Murphy T. G.** (2003) The function of elaborate male and female plumage in the turquoise-browed motmot. American Ornithologists' Union, Champaign Urbana, IL.

Murphy T. G. (2003) Sexual ornamentation in the near-monomorphic turquoise-browed motmot.
Animal Behaviour Society, Boise, ID.

Invited Presentations

University of Texas Rio Grande Valley (2020)
University of Groningen, Netherlands (2017)
Texas State University, San Marcos, TX (2016)
Western Ontario University, London Ontario, Canada (2015)
Special session on color and communication, American Ornithologists' Union, Chicago, IL (2013)
Texas State University, San Marcos, TX (2012)
University of Oklahoma, Norman, OK (2011)
University of Texas at Austin, Austin, TX (2011)
Special session on animal coloration, Animal Behaviour Society, Pirenópolis, Brazil (2009)
University of Colorado Colorado Springs, Colorado Springs, CO (2009)
Trinity University, San Antonio, TX (2008)
University of Windsor, Windsor, ON, Canada (2008)
North Dakota State University, Fargo, ND (2008)
Trent University, Peterborough, ON, Canada (2008)
Queen's University, Kingston, ON, Canada (2007)
Smithsonian National Zoological Park, Washington D.C. (2006)
Universidad Autónoma del Estado Morelos, Mexico (2006)
University of Maryland Baltimore County, Baltimore, MD (2006)

Professional Service

University Service

Chair, Animal Research Committee (Institutional Animal Care and Use Committee, IACUC) (2013-present)
Member, Environmental Studies Committee (2018-present)
Member, Darwin Day Planning Committee (2009-2019)
Member, Committee for the Assessment of Pathways Elements (2017-2018)
Member, Information Technology Master Plan Committee (2015-2016)
Member, Open Access Committee (2013-2016)
Member, Research Integrity Committee (2014)
Member, Animal Research Committee (IACUC) (2011-2013)
Member, Beckman Scholar Committee (2011)

Scientific-community Service

Member, Scientific Program Committee for the American Ornithological Society & Society of Canadian Ornithologist virtual meeting (2021)
Associate Editor, *The Auk: Ornithological Advances*, *Ornithological Journal* (2013-2020)
Reviewing Editor, *The Condor*, *Ornithological Journal* (2011-2013)
Panel Member, National Science Foundation (2014)
Member, Nomination Committee, *Animal Behaviour Society* (2013)
Member, Student&Postdoc Travel Awards Committee (2013, 2012, 2011, 2010, 2009) and Presentation Awards Committee (2012, 2010, 2006), American Ornithologists' Union

Member, Student Research Awards Committee, Animal Behaviour Society (2012)
Member, Student Presentation Awards Committee (2010), Southwest Naturalist Association
Chair, Student Awards Committee, Society of Canadian Ornithologists (2007)
Teacher, Undergraduate Field Studies, Organization for Tropical Studies (OTS) (Fall & Spring, 2013)
Reader, Dissertation, Flinders University, Australia (2012)
Ad hoc review for: Animal Behaviour, Ardia, Auk, Behaviour, Behavioral Ecology, BMC Evolutionary Biology, Behavioral Ecology and Sociobiology, Behavioural Processes, Biology Letters, Biologia, Canadian Journal of Zoology, Condor, Current Biology, Current Zoology, Ethology, Florida Field Naturalist, Functional Ecology, Ibis, Journal of Avian Biology, Journal of Evolutionary Biology, Journal of Field Ornithology, Journal of Ornithology, Naturwissenschaften, Oikos, Physiological and Biochemical Zoology, Proceedings of the Royal Society - Biological Sciences, Wilson Journal of Ornithology

Public Service and Outreach

Science fair presentations: Queen's University Biological Station (most years 2007-2016).
Public lectures: Bexar Audubon Society (2013), Cibolo Nature Reserve (2012), San Antonio Audubon Society (2011), Queen's University Biological Station (2010, 2008), Kingston Field Naturalists (2009)
Instruct overnight field trip for grade school students with Trinity University Science Academy (2012, 2011, 2010)
Instruct hands on bird banding with high school and grade school students with the Purple Martin Research Center (2013, 2011)
Instruct high school and grade school science literacy (>15 classrooms visited). Guided teachers and students through hands-on hypothesis based research projects (2004-2005)
Participate in interdisciplinary courses to refine teaching skills: (i) Inquiry science outreach: teaching high school students to think by asking questions (2004); (ii) Writing in the majors: teaching logic through composition (2003)
Panel member for 'How to gain more interdisciplinary and outreach experience', offered through the Cornell University Graduate School (2004)
Keynote speaker at Yucatan Bird Festival (2004, 2003, 2002)
Instruct Mexican school children through projects on conservation, in collaboration with Niños y Crias (NGO dedicated to conservation and education in Yucatan) (2001-2003)
Scientific advisor, interviewee, and co-producer of 30min video documentary: The Maya Keeper of Time: The Mysticism, Biology, and Conservation of the Turquoise-browed Motmot, which won the 2002 Mexican National Independent Film Award for 'best documentary' (2002).
Instruct public lecture series on ornithology at Tijuana Estuarine state park, California (1995)

Courses Taught

Experiential Learning in Ecology and Evolution (Spring, 2018-present)
Animal Behavior (Fall, 2009-present)
Introductory Biology Lab (Spring, 2018-present)
Darwinian Revolution (Spring, 2019)
Biology Senior Seminar (Occasional)
Integrative Biology (Spring, 2010-2015)

Methods for Biological Problem Solving (Spring, 2010-2015)

Courses taught at other institutions

Animal Communication, Queen's University (2008)

Evolution of Animal Coloration (with R. Montgomerie), Queen's University (2007)

Advanced Topics in Animal Behavior, Cornell University (2003)

Research Mentoring

Research Students Mentored at Trinity University

Jordan West, Fall 2009 - graduation 2012

Tiffany Pham, Fall 2009 - graduation 2012

Natasha Kopecky, Spring 2010 - graduation 2012

Richard Simpson (honors thesis; co-supervised by David Ribble), Fall 2010 - graduation 2012

Ellee Cook (honors thesis; co-supervised by Michele Johnson), Spring 2011 - graduation 2013

Timothy Knoedler, Summer 2010

Aparna Gomes, Spring 2011 - Fall 2012

Lucy Cevallos, Summer 2011 - Spring 2012

Aaron Rosenblatt, Summer 2011

Gus Hoff, Spring 2011

Lindsey Breier, Fall 2011 - Fall 2012

Lee Wright, Spring 2012

Philip Queller (honors thesis), Fall 2011 - graduation 2014

Matthew Mitts, Spring 2012 - graduation 2015

Jessica Heppard (honors thesis), Spring 2013 - graduation 2015

Sophie Wardle, Fall 2012 - graduation 2015

Nathan King, Summer 2013 - graduation 2016

Elizabeth Walker, Summer 2015

Karina Bridges, Summer 2015

Connor Miller, Summer 2015

Megan Gillespie, Spring 2016

Daniel Freund (honors thesis), Spring 2015 - graduation 2018

Elizabeth Broussard, Fall 2015 - graduation 2018

Vladislav Chalenko, Fall 2015 - Spring 2018

Malcolm Conner, Summer 2016 - graduation 2018

Nathaly Salazar, Fall 2017 - graduation 2019

Cameron Dreghorn, Spring 2018 - graduation 2020

Lauren Johnson, Spring 2018 - 2020

Mikayla Greiner, Fall 2019 - 2020

Cornelius Duffie, Fall 2019 - 2021

Charlie Pippen, Summer 2018 - graduation 2021

Caroline Harrison, Fall 2019 - graduation 2021

Maia Dykstra, Spring 2019 - present

Thomas Bates, Spring 2019 - 2020

Angela Allen, Spring 2021

Jamie Lang, Spring 2021 - present
Aurora Schermbeck, Spring 2021 - graduation 2022
Taylor Condron, Spring 2021 - graduation 2022
Molly Schroeder, Spring 2021 - present
Gavin Bronaugh, Fall 2021 - graduation 2022
Tate Taylor, Spring 2022 - present
Anna Sotiriades. Spring 2022 - present

Graduate Students Mentored – at other Institutions

M.S. Thesis, Mirjam Borger, University of Groningen, Netherlands (2018 - 2019)
Ph.D. Thesis, Reader, Reinaldo Marfull, University of Groningen, Netherlands (2017)
Ph.D. Thesis, Committee member, Derrick Thrasher, Cornell University (2013 - 2019)
M.S. Thesis, América P. García-Muñoz, Universidad Autónoma del Estado Morelos.

Undergraduate Students Co-mentored – at other Institutions

Undergraduate research, Uriel Eddy, St. Edward's University (summer 2021).
Undergraduate honors thesis, Malcolm Rosenthal, Oberlin College (graduated 2009).
Undergraduate honors thesis, Ryan Kelly, Trent University (graduated 2009).
Undergraduate honors thesis, Laila Yunes-Jiménez, Universidad Nacional Autónoma de México (graduated 2008)
Undergraduate honors thesis, Diego Hernández-Muciño, Universidad Nacional Autónoma de México (graduated 2008).

Honors

– Fellow of the American Ornithological Society (2020-present), in recognition of advances in ornithology and service to the society.

Affiliations

American Ornithological Society, Animal Behaviour Society, International Society for Behavioral Ecology