

Stephanie G. Schuttler

North Carolina Museum of Natural Sciences
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EDUCATION

Ph.D., Biological Sciences, University of Missouri (MU), Columbia, MO, 2012

Dissertation: The secret lives of African forest elephants: using genetics, networks, and telemetry to understand sociality.

B.A., Biological Sciences (Magna cum laude), State University of New York (SUNY) at Buffalo, 2003

RESEARCH EXPERIENCE

- 2014-present **Postdoctoral Research Associate**, NC Museum of Natural Sciences, NC State University
Advisor: Dr. Roland Kays
Research: Implementing citizen science camera trap research into middle school classrooms; using collected data to address questions about mammal distributions in developed landscapes in NC, India, Mexico, Kenya, and Chile.
- 2017-present **Co-Chair of Outreach and Communications Committee**, Wildlife Insights
- 2012-2013 **Postdoctoral Research Associate**, Fisheries & Wildlife Sciences, MU
Advisor: Dr. Matthew Gompper
Research: The relationship between genetics (MHC) and immune response; population genetics and patterns of relatedness; and disease perception in wild raccoons
- 2006-2012 **Doctoral Candidate**, Biological Sciences, MU
Advisor: Dr. Lori Eggert
Research: Investigating African forest elephant social structure and spatial ecology through network models, non-invasive genetics, and satellite telemetry
- 2005 **Intern**, The School for Field Studies, Center for Wildlife Management, Kenya
Research: Tourist satisfaction and preferences of large mammals in Kenya.
- 2004 **Reproductive and Wildlife Biology Intern**, Disney's Animal Kingdom, FL
Research: Endocrinology of captive species management; native wildlife censuses
- 2003 **Intern**, Bureau of Land Management/Chicago Botanic Garden, St. George, UT
Research: Space use patterns of bats in the Grand Canyon; water catchments

PEER-REVIEWED PUBLICATIONS

- Kays, Roland, B. Arborgast, M. Baker-Whatton, C. Beirne, H. Boone, M. Bowler, S. Burneo, M. Cove, D. Ping, S. Espinosa, A. Gonçalves, C. Hansen, P. Jansen, J. Kolowski, T. Knowles, M. Lima, J. Millspaugh, W. McShea, K. Pacifici, A. Parsons, B. Pease, F. Rovero, F. Santos, **S. G. Schuttler**, D. Sheil, X. Si, M. Snider, W. Spironello. (*Accepted, Methods in Ecology and Evolution*). An empirical evaluation of camera trap study design: how many, how long, and when?
- Pedrozo, C., L. R. Larson, C. B. Cooper, K. Stevenson, **S. G. Schuttler**, R. Kays. (*In Review, Conservation Biology*). Exploring Cognitive and Affective Predictors of Wildlife Conservation Behaviors in a Citizen Science Context.
- Chatterjee, N. **S.G. Schuttler**, M. Davate, P. Nigam, and B. Habib. (*In Review, Scientific Reports*). Sampling design trade-offs of terrestrial mammals using occupancy studies with improper detection using motion-triggered cameras.
- Ahumada, J. A., T. Birch, E. Fegraus, N. Flores, W. Jetz, R. Kays, A. Lyet, T. G. O'Brien, J. Palmer, **S. G. Schuttler**, D. Thau, and J. Zhao. Wildlife Insights: A platform to maximize the potential of camera trap and other passive sensor wildlife data for the planet. *Environmental Conservation*, 1-6.
- Schuttler, S. G.**, K. Stevenson, N. Peterson, R. Dunn, and R. Kays. Children's attitudes towards animals are similar across suburban, exurban, and rural areas. *PeerJ*. 7: e7328.

- Parsons, A. W., C. T. Rota, T. Forrester, M. C. Baker, W. J. McShea, **S. G. Schuttler**, J. J. Millsbaugh, R. Kays. 2019. Urbanization focuses carnivore activity in remaining natural habitat, increasing species interactions. *Journal of Applied Ecology*: 00: 1– 11.
- Schuttler, S. G.**, R. S. Sears, I. Orendain, R. Khot, D. Rubenstein, N. Rubenstein, R. Dunn, E. Baird, K. Kandros, T. O'Brien, and R. Kays. 2018. Kids can do global science: K-12 students around the world collect valuable camera trap data for science, conservation, and community engagement. *Bioscience*
- Parsons, A. W., T. Forrester, M. C. Baker, W. J. McShea, C. T. Rota, **S. G. Schuttler**, J. J. Millsbaugh, R. Kays. Mammal communities are larger and more diverse in moderately developed areas. *eLife* **7**: e38012
- Schuttler, S. G.**, A. Sorensen, R. Jordan, C. Cooper, and A. Shwartz. 2018. Bridging the nature gap: can citizen science reverse the extinction of experience? *Frontiers in Ecology and Evolution*. **16**: 405-411.
- Schuttler, S.G.**, D. Glenn, J. Hohm, D. Pasion, C. Belair, D. Humphries, R. Dunn, R. Kays. 2017. What's in your school yard? Using citizen science wildlife cameras to conduct authentic scientific investigations in the classroom. *Science Scope* **41**: 63-71.
- Schuttler, S.G.**, A. W. Parsons, T. Forrester, M. C. Baker, W. J. McShea, R. Costello, R. Kays. 2016. Deer on the lookout: how hunting, hiking, and coyotes affect white-tailed deer vigilance. *Journal of Zoology* **301**: 320-327.
- Parsons, A. W. C. Bland, T. Forrester, M. C. Baker, **S. G. Schuttler**, W. J. McShea, R. Costello, R. Kays. 2015. The ecological impact of dogs on wildlife in protected areas in eastern North America. *Biological Conservation* **203**: 75-88.
- Schuttler, S.G.**, Ruiz-López, M.J., Monello, R.J., Eggert, L.S., and M.E. Gompper. 2015. The interplay between resource aggregations and genetic relatedness in the common raccoon. *Mammal Research* **60**: 365-373.
- Ruiz Lopez, M. J., R. Monello, **S. G. Schuttler**, S. Lance, L. S. Eggert, and M. E. Gompper. 2015. MHC variation and resource availability are associated with seroconversion to viral infections in raccoons. *Infection, Genetics, and Evolution* **28**: 317-327.
- Schuttler, S. G.**, K. Jeffery, A. Whittaker, and L. S. Eggert. 2014. Social network analyses reveal limited fission-fusion sociality in African forest elephants. *Endangered Species Research* **25**: 165-173.
- Schuttler S. G.**, Philbrick J. A., Jeffery K. J., Eggert L. S. 2014. Fine-scale genetic structure and cryptic associations reveal evidence of kin-based sociality in the African forest elephant. *PLoS ONE* **9**: e88074.
- Schuttler, S. G.**, S. Blake, L. S. Eggert. 2012. Movement patterns and spatial relationships among female African forest elephants. *Biotropica* **44**: 445-448.
- Ahlering, M. A., S. Hedges, A. Johnson, M. Tyson, **S. G. Schuttler**, and L. S. Eggert. 2011. Genetic diversity, social structure, and conservation value of the elephants of the Nakai Plateau, Lao PDR, based on non-invasive sampling. *Conservation Genetics* **12**:413-422.
- Okello, M. M., **S. G. Manka**, and D. E. D'Amour. 2008. The relative importance of large mammal species for tourism in Amboseli National Park, Kenya. *Tourism Management* **29**:751-760.
- Okello, M. M., D. E. D'Amour, and **S. G. Manka**. 2008. Tourism attractions and satisfaction of Amboseli National Park, Kenya. *Tourism Analysis* **13**:373-386.
- Eggert, L. S., M. Ahlering, and **S. G. Manka**. 2007. Lessons from genetic censuses of forest elephants. *In* Proceedings of the International Elephant Conservation & Research Symposium. International Elephant Foundation.

BOOK CHAPTERS

- Ahlering M. A., Budd K., **Schuttler, S. G.**, Eggert L. S. *In press*. Genetics and the Conservation of Elephants. *In* Ortega J, Maldonado JE, eds. Conservation Genomics in Mammals: integrative research using novel approaches. Springer.
- Schuttler, S. G.**, L. S. Eggert, and T. Breuer. 2015. Using genetic approaches to study forest elephants within a bai context. *In* Methods for Monitoring Forest Elephant Populations at Bais.
- Wrege, P. H., **S. G. Schuttler**, L. S. Eggert, and T. Breuer. 2015. Estimating elephant population size. *In* Methods for Monitoring Forest Elephant Populations at Bais.
- Momont, L. and **S. G. Schuttler**. Ranging and habitat use of forest elephants. 2015. *In* Methods for Monitoring Forest Elephant Populations at Bais.

Fishlock, V., **S. G. Schuttler**, and S. Blake. An introduction to studying forest elephants. 2015. *In Methods for Monitoring Forest Elephant Populations at Bais.*

MANUSCRIPTS

- Schuttler, S. G.**, S. Ramcharan, B. O'Shea, and R. Kays (*In Prep for Oryx*). Are urban parks important for mammals? How species composition and richness of medium and large-sized mammals in an urban reserve compares to a large protected area in Suriname.
- Lasky, M., A. W. Parsons, **S. G. Schuttler**, A. Mash, A. May, L. Larson, L. Gatens, B. Pease, H. Boone, C. Pedrozo, R. Kays, (*In Prep*). Immense, dense, intense, and low expense: Challenges to answering large-scale ecological questions and using standardized protocols with citizen scientists.
- Hinde, K., N. Burt, M. Casillas, A. Chen, T. Chestnut, P. K. Connors, M. Dasari, J. Drew, L. Durgavich, C. Henning, A. Hilborn, M. Kissel, J. Kobylecky, J. Krell, D. Lee, K. Lesciotto, K. L. Lewton, J. E. Light, J. Martin, A. Murphy, W. Nickley, A. Nuñez-de la Mora, O. Pellicer, V. Pellicer, A. Perry, C. Rudzis, **S. G. Schuttler**, A. Stone, B. Tanis, M. Wilson, E. Willcocks, C. Anderson. (*In Prep. for Journal of Mammalogy*) March Mammal Madness: The Power of Science as Narrative.
- Parsons, A. W., Kenneth F. Kellner, C. T. Rota, **S. G. Schuttler**, J. J. Millsbaugh, R. Kays. (*In Prep*). The effect of urbanization on spatiotemporal interactions between gray foxes and coyotes

GRANTS, FELLOWSHIPS, and AWARDS

- 2014 Museums Connect Grant (\$83,000, with K. Kandros and R. Kays)
- 2014 North Carolina Museum Council Internship Award (\$1,500)
- 2013 Society for Conservation Biology Chapter Travel Award, SCB (\$265)
- 2012 Sandra K. Abell GK-12 Fellow of the Year, MU
- 2011-2012 National Science Foundation GK-12 Fellowship, MU, (\$45,000)
- 2011 TransWorld Airlines Scholarship, MU (\$7,000)
- 2009 John D. Bies International Travel Scholarship, MU (\$1,500)
- 2008 USFWS African Elephant Conservation Grant Program (\$44,840, co-wrote with L. Eggert)
- 2008 Honorable Mention, National Science Foundation, Graduate Research Fellowship Program
- 2007 Conservation Biology Fellowship, MU (\$3,000)
- 2007 Biology Graduate Student Association Travel Grant (\$100)
- 2006-2010 Life Sciences Fellowship, MU (\$84,000)

ORAL and POSTER PRESENTATIONS

Invited

- 2019 2019 ComSciCon-Triangle, *Panelist*
- 2019 Girls in Science, Raleigh, NC, *Talk*
- 2019 TEDx, Furman University, Greenville, SC *Talk*
- 2019 Wildlife Rehabilitators of North Carolina Annual Conference, Raleigh, NC, *Keynote Speaker*
- 2018 North American Congress for Conservation Biology, Toronto, Canada, *Symposium Organizer and Presenter*
- 2018 Opening talk for the premiere of Backyard Wilderness, NCMNS, Raleigh, NC, *Talk*
- 2018 Southeast Biodiversity Conservation Forum, Chapel Hill, NC, *Talk*
- 2018 North Carolina Chapter of The Wildlife Society Conference, Browns Summit, NC, *Talk*
- 2018 Girls in Science, Raleigh, NC, *Talk*
- 2017 Bridging the Gap, Raleigh, NC, *Talk*
- 2017 Pisgah Astronomical Research Institute, Rosman, NC, *Talk*
- 2017 Wildlife Insights, Palo Alto, CA, *Panelist*
- 2017 The Wildlife Society Conference, Albuquerque, NM, *Talk*
- 2017 National Academy of Sciences Panel on Citizen Science, Raleigh, NC, *Talk* (co-author)
- 2017 WNC STEM Tech Conference, Cullowhee, NC, *Keynote Speaker, Talk*
- 2017 Appalachian State University, Dept. of Biology Seminar Series, Boone, NC, *Talk*
- 2017 NC Association of Environmental Education Centers, Arapahoe, NC, *Talk*
- 2017 KISD Girls in STEM Day, Spring, TX, *Keynote Speaker, Talk and Panel Discussion*

- 2016 The Wildlife Society Conference, Raleigh, NC, *Talk*
 2016 Research Triangle Park STEM Expo, *Talk and workshop*
 2015 National Association of Biology Teachers, Providence, RI, *Poster*
 2015 Biodiversity Information Standards (TDWG), Nairobi, Kenya, *Talk*
 2015 International Congress for Conservation Biology, Montpellier, France, *Symposium Organizer and Presenter*
 2014 North Carolina State Teachers Association Conference, Winston-Salem, NC, *Plenary Talk*
 2014 National Center for Science and Civic Engagement Washington Symposium and Capitol Hill Poster Session, Washington DC, *Talk and Panel Discussion*
 2014 Teen Science Café, North Carolina Museum of Natural Sciences, Raleigh, NC, *Talk*
 2014 Shaw University Seminar Series, Shaw University, Raleigh, NC, *Talk*
 2010 Forest Elephants and Bais: Developing a Strategy for World Class Research and High Efficiency Conservation at Critical Sites in the Congo Basin, Brazzaville, *Talk*

Contributed

- 2014-present Daily Planet talks, North Carolina Museum of Natural Sciences, Raleigh, NC, *Talk*
 2019 Biodiversity Next, Leiden, The Netherlands, *Talk**
 2019 International Congress for Conservation Biology, Kuala Lumpur, Malaysia *Two talks*
 2019 Pathways: Human Dimensions of Wildlife Conference. Estes Park, CO, *Talk**
 2019 National Environment and Recreation Research Symposium. Annapolis, MD, *Talk**
 2019 Citizen Science Association Conference, Raleigh, NC, *Talk*
 2019 Citizen Science Association Conference, Raleigh, NC, *Talk**
 2019 Citizen Science Association Conference, Raleigh, NC, *Lightning Talk**
 2019 Citizen Science Association Conference, Raleigh, NC, *Lightning Talk**
 2018 Southeastern Environmental Education Alliance Conference. St. Petersburg, FL, *Talk**
 2018 Southeastern Recreation Research Conference. Athens, GA, *Talk**
 2018 Environmental Education Environmental Lecture Series Raleigh, NC, *Talk**
 2017 International Congress for Conservation Biology, Cartagena, Colombia, *Talk*
 2017 Citizen Science Association Conference, St. Paul, MN, *Talk and Poster*
 2017 Children & Nature Network Conference, Vancouver, BC, CA, *Workshop*
 2015 International Urban Wildlife Conference, Chicago, IL, *Talk*
 2015 Citizen Science Association Conference, San Jose, CA, *Talk*
 2015 AAAS Annual Meeting, San Jose, CA, *Poster*
 2014 The Wildlife Society Annual Conference, Pittsburg, PA, *Poster presented by undergrad*
 2013 National Association of Biology Teachers, Atlanta, GA, *Organized workshop, Talk*
 2013 Science Outreach & Communication, Columbia, MO, *Poster*
 2013 International Congress for Conservation Biology, Baltimore, MD, *Poster*
 2012 Ecological Society of America, Portland, Oregon, *Talk*
 2011 Graduate STEM Fellows in K-12 Education, Washington, DC, *Talk*
 2011 Behavior 2011, Bloomington, Indiana, *Talk*
 2010 Animal Behavior Society, Williamsburg, VA, *Poster*
 2009 Society for the Study of Evolution, Moscow, ID, *Poster*
 2009 Missouri Life Sciences Week, Columbia, MO, *Poster*
 2008 Missouri Life Sciences Week, Columbia, MO, *Poster*
 2007 The International Elephant Conservation & Research Symposium, Orlando, FL, *Poster*

**Denotes another speaker presented*

TEACHING EXPERIENCE

- 2018 **Invited Lecture**, Citizen Science: Demonstrating Discovery, Raleigh, NC
 2017 **Invited Lecture**, Mammalogy, Appalachian State University, Boone, NC
 2014 **Invited Lecture**, Mammalogy, NC State University, Raleigh, NC
 2013 **Lecturer**, F&W/BIO 3660: Mammalogy, MU
 2012 **Invited Lecture**, Central Methodist University, Lafayette, MO

- 2010-2011 **Graduate Teaching Assistant**, BIO 1020: General Biology Laboratory (non-majors), BIO 3650: General Ecology Laboratory (writing intensive), MU
- 2002 **Undergraduate Teaching Assistant**, GLY 310: Ecological Methods Laboratory
SUNY Buffalo

MENTORING

- 2018-2019 Kirsten Keleher, Behavioral responses of mammals towards a novel object across the urban-wild gradient in Raleigh
- 2018 Katherine Pasfield, Maya Hardison, and Ava Cox, middle school students
- 2017-2018 Claire Buisson, Kyra Pruitt, Austin Mueller, Behavioral responses of mammals towards a novel object across the urban-wild gradient in Raleigh
- 2014-2017 **Kenan Fellow Mentor**, Lena Deskins (Sandy Ridge Visual and Performing Arts Elementary School), Rachael Polmanteer (Wake Forest Middle School), Nicole Cesari (Ligon Middle School), Cathy Belair (Valley Springs Middle School), Jordan Hohm (Broadview Middle School), Denise Humphries (Chinquapin Elementary School), Kelsie Armentrout (Hilburn Academy), David Glenn (Burgaw Middle School), Dayson Paison (Graham Middle School)
- 2015-2016 Rebecca Sears, co-author on “Kids can do global science: K-12 students around the world collect valuable camera trap data for science, conservation, and community engagement.”
- 2015-2016 Spencer Stone, co-author on “Are urban parks important for mammals? How species composition and richness of medium and large-sized mammals in an urban reserve compares to a large protected area in Suriname.”
- 2014 Summer Higdon, Deer vigilance in relation to hunting, hiking, and coyotes, presented poster at The Wildlife Society conference
- 2011-2013 **GK-12 Mentor**, grades 4-5, Two Mile Prairie and Cedar Ridge Elementary School
- 2009-2013 University of Missouri: Sloane Everett, Dane Lund, Molly Miller, Jessica Philbrick, Susan Schmoker, Jenna Kalleberg, Morgan Schmalz, Jenna Nelsen-McMichael, John Semlitsch (Columbia Independent High School)

SCIENCE WRITING and OUTREACH

Blogs

Blogs and Websites

Fancy Scientist, <http://stephanieschuttler.com>

Wildlife SNPits, <http://wildlifesnps.wordpress.com/author/stephanieschuttler/>

eMammal, <https://emammal.si.edu/search/node/schuttler>

African Wildlife Foundation, <http://www.awf.org/blog/author/stephanie+schuttler>

Reddit IAmA “Ask Me Anything” (AMA) event (August 2017), 11,000+ views,

https://www.reddit.com/r/IAmA/comments/6t8nio/iama_elephant_scientist_ama_on_world_elephant_day/

Videos

Featured biologist on *What on Earth* Season 4-6, Science Channel

TEDx talk, *How Kids Can Save Wildlife*, https://www.youtube.com/watch?v=S8_OYq6FsUA&t=163s

Students Around the Globe Collect Quality, Eye-opening Research Data on Mammals (wrote and directed), https://www.youtube.com/watch?v=TEOgOQgsv1A&list=PLq0ykM1DSnlRwaJ_1I1fHo2uamOQIhx-X&index=3

Exploring North Carolina, Things that Go Bump in the Night, UNC TV, PBS (starting at 11:40),

<https://www.pbs.org/video/things-that-go-bump-in-the-night-vhdybj/>

Coyote Finds Den of Red Fox Pups,

https://www.youtube.com/watch?v=NqBrWMGtFLI&list=PLq0ykM1DSnlRwaJ_1I1fHo2uamOQIhx-X

Jason STEM learning, <https://www.youtube.com/watch?v=8Rs060nwcvs>

You won't believe what's eating this squirrel, https://www.youtube.com/watch?time_continue=4&v=w1titkMfHkk

In the Media

- The day a tiger came to school — and other wild animals caught on camera by kids, The Washington Post, https://www.washingtonpost.com/science/2018/12/17/day-tiger-came-school-other-wild-animals-caught-camera-by-kids/?utm_term=.804ea628b2d8
- Kid Scientists Capture Rare Footage of Endangered Animals on Camera Traps, Motherboard https://motherboard.vice.com/en_us/article/3k94ej/kid-scientists-capture-rare-footage-of-endangered-animals-on-camera-traps
- When Maharashtra Students Caught Wild Animals Taking Over Their Schools, NDTV <https://www.ndtv.com/india-news/students-in-india-and-elsewhere-catch-animals-taking-over-their-schools-1965501>
- Antibody Genie, The Instagram Influencer-Ome: 43 Science Instagrams You Need To Follow, <http://www.antibodygenie.com/blog/the-instagram-influencerome-43-science-instagramms-you-need-to-follow/>
- Interview, Fox 8, ‘Citizen scientists’ helping researchers learn about animals in NC, <http://myfox8.com/2017/02/24/citizen-scientists-helping-researchers-learn-about-animals-in-nc/>
- Interview, CBS North Carolina, NC officials need help getting 20,000+ photos of ‘Candid Critters’ <http://wncn.com/2016/10/29/nc-officials-hope-to-get-20000-photos-of-candid-critters/>
- Interview, Time Warner Cable News, Candid Critter Program to Track NC's Wildlife Over 3 Years <http://www.twcnews.com/nc/triangle-sandhills/news/2016/10/26/candid-critter-program-to-track-nc-s-wildlife-over-3-years.html>
- Live interview, JASON Learning <https://www.jason.org/stephanie-schuttler-ecologist>
- Podcast, The Walking Classroom Science Career Series, <http://www.thewalkingclassroom.org/our-program/podcast-partners/>
- Video; Coyote Finds Den of Red Fox Puppies (nearly 500,000 views), <https://www.youtube.com/watch?v=NqBrWMGtFLI>
- NC State News, The Night of the Elephants: Adventures of a Scientist in the Field, <http://news.ncsu.edu/2014/09/elephants-stephanie-schuttler/>
- Mongabay Kids, Inside the Forest Elephant Social Network, <http://kids.mongabay.com/facts/2014/07/28/inside-the-forest-elephant-social-network/>
- The Dodo, 64 (And Counting!) Conservationists You Should be Following on Twitter Right Now, <https://www.thedodo.com/64-conservationists-you-should-621196654.html>
- The Conversation, Scientists at Work: Blood, Sweat, Tears and Elephant Dung, <https://theconversation.com/scientists-at-work-blood-sweat-tears-and-elephant-dung-23800>
- James Borrell, Women in Conservation (and on Twitter), <http://www.jamesborrell.com/women-conservation-twitter/>
- James Borrell, Top 100 Conservation Twitter Accounts to Follow in 2014, <http://www.jamesborrell.com/top-100-conservation-twitter-accounts-to-follow-in-2014/>

General Audience Publications

- Schuttler, S. G.** How Do You Handle the Elephant in the Room? BBC Wildlife. April 11, 2019. p. 103.
- Costello, R., W. J. McShea, T. D. Forrester, A. W. Parsons, **S. G. Schuttler**, M. C. Baker-Whatton, and R. Kays. Feb 2017. Citizen Science and Biophilic Cities, The Great Experiment. *Biophilic Cities* Vol.1 (1), 22-27.
- Schuttler, S. G.** When More Science Isn't Better, *Australian Deer*. **14**. November-December 2016.
- Schuttler, S. G.** 2016. Kids trap animals on camera for conservation, *The News & Observer*.
- Schuttler, S. G.** 2014. Inside NC Science: Is your cat on the prowl? *The Charlotte Observer*.
- Schuttler, S. G.** 2013. Educational outreach in small and fragmented natural areas. *The Glade* **15**: 4-6.
- Manka, S. G.** and K. Klymus. 2009. BioBlitz brings nature and community together. *The Glade* **12**: 7-9.

PROFESSIONAL SERVICE

- 2018 Co-organizer of workshop “Wildlife Insights: Providing a global camera trap data management and analytics platform for wildlife conservation, monitoring, education, and outreach,” North American Congress for Conservation Biology, Toronto, Canada
- 2016-present Mentor, STEM Mentoring Program at Knightdale High School

2017	Member, Participatory and Citizen Science Working Group, Society for Conservation Biology
2016	2016 SciREN Triangle Networking Event, connects researchers and teachers
2015-present	Member, Global Perspectives Committee, National Association of Biology Teachers
2015-2016	Co-organizer, Science Communication Summer Workshop
2015	Mentor, Africa Section Communications/E-Mentoring Programme, Society for Conservation Biology
2015	Symposium Organizer, “Creating Natural Connections in Unnatural Habitats Through Citizen Science,” International Congress for Conservation Biology, Montpellier, France
2014	Organizer of workshop “Conservation Success Stories,” Missouri Natural Resources Conference, Lake of the Ozarks, MO
2013	Instructor, Non-Invasive Genetic Techniques in Wildlife Conservation, Smithsonian-Mason School of Conservation, Front Royal, VA
2013	President, Missouri Chapter of the Society for Conservation Biology
2011-2012	Vice President, Missouri Chapter of the Society for Conservation Biology
2011	Coordinator, “ <i>Approaches and Advice to Writing Your Dissertation</i> ,” MU
2007-2010	Secretary, Missouri Chapter of the Society for Conservation Biology
2006-2012	Member, Biological Graduate Student Association, MU

PROFESSIONAL DEVELOPMENT

2016	Intermediate R Workshop, Raleigh, NC
2016	Modelling Patterns and Dynamics of Species Occurrence Advanced Course, Raleigh, NC
2016	Modelling Patterns and Dynamics of Species Occurrence Workshop, Brookings, SD
2013	NSF’s Science: Becoming the Messenger, Columbia, MO
2013	Capacity-building for SCB Chapters, ICCB 2013, Baltimore, MD
2009	ConGen–Population Genetics Data Analysis Course, Flathead Lake, MT
2009	Forest Elephants and Bais: Developing a Strategy for World Class Research and High Efficiency Conservation at Critical Sites in the Congo Basin workshop
2009	Entering Mentoring undergraduate mentor training, MU

REVIEWER

BioScience, Biology Letters, PLOS ONE, Biological Conservation, Biodiversity and Conservation, Journal of Wildlife Management, Wildlife Society Bulletin, Behaviour, Methods in Ecology and Evolution, Integrative Zoology, Acta Theriologica, Remote Sensing in Ecology and Conservation, Journal of Urban Ecology, National Geographic Society

SOCIETY MEMBERSHIPS

Citizen Science Association, Society for Conservation Biology, The Wildlife Society