

Marina Fisher-Phelps

Curriculum Vitae

Texas Tech University
Biological Sciences
2901 Main St, MS 3131
Lubbock, TX 79409

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Education

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| Current | Texas Tech University
Doctoral Candidate in Biology
Research in spatial ecology of Southeast Asian bats
GPA 4.0/4.0 |
| Current | Texas Tech University
Graduate Certificate in Geographic Information Science and Technology
GPA 4.0/4.0 |
| 2011-2013 | Texas A&M University
Graduate Certificate in Non-profit Management
Specialization in Fundraising and Philanthropy |
| 2007-2010 | University of California, Davis
Wildlife, Fish and Conservation Biology Major
Specialization in Behavioral Ecology
Bachelor of Sciences degree December 2010, with High Honors
GPA: 3.76/4.00 |
| 2009 | Southwestern Desert Bat Class
Desert Studies Center Zzyzx, CA
Instructor: Patricia Brown-Berry, PhD. |
| 2003-2007 | Cienega High School: Tucson, AZ
Salutatorian: GPA 4.5/4.0 |

Abstracts and Presentations

- Fisher-Phelps, Marina, Smith, Rebecca, Cao, Guofeng, and Kingston, Tigga. 2016. Exploring spatial bias in open-source sampling localities and variation among ecological groups. Ecological Society of America Annual Meeting, Ft. Lauderdale, FL. Poster.
- Smith, Rebecca, Fisher-Phelps, Marina, and Kingston, Tigga. 2016. Spatial bias in bat sampling localities in independent of family and ecological grouping. Texas Tech Annual Biological Sciences Symposium, Lubbock, TX. Oral Presentation
- Smith, Rebecca, Fisher-Phelps, Marina, and Kingston, Tigga. 2016. The effects of species ecology on spatial bias. Texas Tech University Undergraduate Research Conference, Lubbock, TX. Oral Presentation
- Fisher-Phelps, Marina and Kingston, Tigga. 2015. Analysis of Spatial Clustering in Southeast Asian Bat Sampling Effort. Third International Southeast Asian Bat Conference, Kuching, Malaysia. Oral Presentation

- Fisher-Phelps, Marina and Kingston, Tigga. 2015. Spatial Clustering and Bias in Southeast Asian Bat Sampling Localities. Texas Tech Annual Biological Sciences Symposium. Oral Presentation
- Fisher-Phelps, Marina, Schwilk, Dylan, and Kingston, Tigga. Mobile Transects are More Effective at Detecting Bat Passes than Stationary Points in a Low Bat Density Landscape. 16th International Bat Research Conference, San Jose, Costa Rica. Oral Presentation
- Fisher-Phelps, Marina, Schwilk, Dylan, and Kingston, Tigga. 2012. Comparing Three Bat Acoustic Sampling Methodologies for Large-Scale Surveys. 42nd Annual Symposium on Bat Research, San Juan, PR. Poster.
- Fisher-Phelps, M.L and Kingston, Tigga. 2012. Developing a Monitoring Plan for Bats of the Great Plains of Texas. Texas Tech Annual Biological Sciences Symposium, pg. 30. Oral Presentation.
- Fisher-Phelps, M., et al. 2011. Temperament Testing in Coppery Titi Monkeys (*Callicebus cupreus*). American Journal of Primatology, 73(1): 62. Poster.

Publications

- Fisher-Phelps, M.L.**, S.P. Mendoza, S. Serna, L.L. Griffin, T. Schaefer, M.R. Jarcho, B. Ragen, L.R. Goetze, and K.L. Bales. 2015. Laboratory simulations of mate-guarding as a component of the pair-bond in male titi monkeys, *Callicebus cupres*. American Journal of Primatology. doi: 10.1002/ajp.22483
- Korine, C., R. Adams, D. Russo, **M. Fisher-Phelps**, and D. Jacobs. 2015. Bats and water: anthropogenic alterations threaten global bat populations. In: C.C. Voight and T. Kingston (eds) *Bats in the Anthropocene: Conservation of Bats in a Changing World*. Springer, Switzerland. doi: 10.1007/978-3-319-25220-9_8
- Fisher-Phelps, M.**, D. Schwilk, and T. Kingston. Mobile transects detect more bat activity than stationary acoustic point counts in a semi-arid and agricultural landscape. In submission to *Journal of Arid Environments*.
- Hinde, K., C. Muth, N. Maninger, B. Ragen, R.H., Larke, M.R. Jarcho, S.P., Mendoza, W.A. Mason, E. Ferrer, S.R. Cherry, **M.L. Fisher-Phelps**, and K.L. Bales Challenges to the pair bond: neural and hormonal effects of separation and reunion in a monogamous primate. In submission to *Frontiers in Behavioral Neuroscience*.
- Fisher-Phelps, M.**, G. Cao, R.M. Wilson, and T. Kingston. Effects of ecology and temporal variation on spatial sampling bias in open-source GBIF data. In prep for *Ecological Informatics*

Research Experience

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| 2012 | Texas Tech University Research Assistant
Project: Ecology of Texas bats in crop dominated landscapes using acoustic transects |
| 2011 | Intern at the Lubee Bat Conservancy, Gainesville, FL
Project: Quantifying enrichment behavior in Malayan Flying Foxes (<i>Pteropus vampyrus</i>) |
| 2011 | Research Associate in the Brain, Mind, and Behavior Unit, California National Primate Research Center, UCD |
| 2009-2010 | Intern in the Neurobiology of Monogamy Lab, California National Primate Research Center, University of California-Davis
Project: Neurobiology of social bonding in a monogamous primate
Responsibilities: Primate behavioral filming, behavioral scoring, urine collection, infant field tests, time keeper for blood draws, organization of excel data. |

- 2009 Intern at the Wildlife Care Association (250+ hours)
Responsibilities: Feeding baby birds, tube feeding, administering medications, physical exams, subcutaneous hydration, intake paperwork, release of animals, fecal tests, surgery assistant, facility maintenance.
- 2008 Intern for the UC Davis Wood Duck Program
Responsibilities: Monitor nest boxes, collection of egg and female wood duck data
- 2006-2007 Volunteer at Saguaro National Park
Project: Riparian ecology and turtle movements
Learned to trap and track turtles using radio transmitters
- 2004-2008 Volunteer at Vitron, Inc: A toxicology lab
Responsibilities: Assist with experiments, capping, labeling, pipetting, weighing

Relevant Work Experience

- Current Graduate Teaching Assistant at Texas Tech University
Courses:
Biology 3309: Principles of Ecology- Lecture Teaching Assistant (six semesters)
Biology 1404: Biology II – Laboratory Instructor
Biology 1402: Biology of Animals – Laboratory Instructor (two semesters)
- 2012 Research Assistant at Texas Tech University
- 2011 Bat Festival Coordinator/Animal Care Assistant, Lubee Bat Conservancy Gainesville, FL
Responsibilities: Organization of Annual Bat festival including but not limited to: marketing, volunteer training, creation of written materials, and record keeping. Assist keepers with daily cleaning and enrichment, and conduct independent behavioral research project
- 2011 Research Associate, California National Primate Research Center
Neurobiology of Monogamy Laboratory
Responsibilities: Primate behavioral filming, infant open field testing, PET scans, behavioral scoring, undergraduate supervisor, catching/handling of animals, organization of excel data, intern training, brain slicing, blood processing, assay for PdG and EIC and lab scheduling.

Grants

- 2015 Texas Tech Association of Biologists Grants-in-Aid (\$700)

Honors

- 2016-2017 Texas Tech Cash Family Graduate Fellowship
- 2015 First Place Oral Presentation in Ecology, Texas Tech 6th Annual Biological Sciences Symposium
- 2011 UC Davis Wildlife, Fish, and Conservation Biology Departmental Citation for Undergraduate Academic Achievement

Memberships

- Current Ecological Society of America

Current	International Biogeography Society
Current	Southeast Asian Bat Conservation Research Unit Steering Committee Student Member
Current	Texas Tech University GIS User Group
2012-2013	Texas Tech University Association of Biologists Position: Student Organization Representative