

Jeffrey F. Kelly

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Post-doctoral Work Experience

2002- Present **Heritage Zoologist and Assistant Professor**, Oklahoma Biological Survey and Department of Zoology, University of Oklahoma, Norman OK
 1997 -2002 **Postdoctoral Associate**, USDA- Forest Service, Rocky Mountain Research Station, Albuquerque, NM

Education

Ph.D. in Biology, Colorado State University, 1996
M.S. in Zoology, Oklahoma State University, Coop. Fish & Wildl. Res. Unit. 1991
B.S. in Wildlife Management, University of Maine, 1987

<u>Courses Taught</u>	<u>Level</u>	<u>Institution</u>	<u>Semester</u>
General Ecology	Sophomore	Colorado State University	Summer 1996
Stable Isotopes in Ecology	Graduate	University of New Mexico	Spring 2000 & 2001
Conservation Biology	Senior/grad	University of Oklahoma	Spr 2003, Fall 2004
Population Ecology	Graduate	University of Oklahoma	Fall 2003
Avian Ecology	Graduate	University of Oklahoma	Fall 2005

Graduate Students Advised – 4 Current M.Sci. Students**Selected Peer-reviewed Publications (24 total)**

- Kelly, JF, KB Ruegg, and TB Smith. *In Press*. Combining isotopic and genetic markers to identify breeding origins of a long-distance migrant songbird. Ecological Applications
- Kelly, JF and RL Hutto. *In Press*. An east vs. west comparison of songbird migration in North America: A case study of wood warblers. Condor
- Skagen, S.K., **JF Kelly**, C. Van Riper III, RL Hutto, DM Finch, DJ Krueper, and CP Melcher *In Press*. Geography of spring songbird migration n southwestern North America: a meta-analysis. Condor
- Brown, J. H., E. J. Bedrick, S. K. M. Ernest, J-L. E. Cartron, and **J. F. Kelly**. 2004. Constraints on negative relationships: mathematical causes and ecological consequences. In (M. Taper, L. Subhash and N. Lewin-Koh eds.) *The nature of scientific evidence*. Univ. of Chicago Press.
- Clegg, S. **J.F. Kelly**, M. Kimura, and T.B. Smith. 2003. Combining genetic markers and stable isotopes to reveal leapfrog migration in a Neotropical migrant, Wilson's warbler (*Wilsonia pusilla*). Molecular Ecology 12:819-830.

- Kelly, J.F. V. Atudorei, Z.D. Sharp, and D.M. Finch. 2002. Insights into Wilson's Warbler migration from analyses of stable hydrogen isotope ratios. *Oecologia* 130:216-221
- Kelly, J.F. L. DeLay, and D.M. Finch. 2002. Density-dependent mass gain by Wilson's Warblers during stopover. *Auk* 119:210-213
- Kelly, J.F. 2000. Stable isotopes of carbon and nitrogen in the study of avian and mammalian trophic ecology. *Canadian Journal of Zoology* 78:1-27.
- Cartron, J-L, **J.F. Kelly**, and J. H. Brown. 2000. Constraints on patterns of covariation: a case study in strigid owls. *Oikos* 90: 381-390.
- Kelly, J. F. and D. M. Finch. 1998. Using stable isotopes to track migrant songbirds. *Trends in Ecology and Evolution* 13:48-49.
- Kelly, J. F. and B. Van Horne. 1997. Effects of supplemental food on timing of nest-initiation in Belted Kingfishers. *Ecology* 78:2504-2511.

Current Research Support

- 2004 - Effects of Wildfire on Flora and Fauna of the Rio Grande Riparian Forests. Rocky Mountain Research Station, USDA Forest Service, Amount: \$27,000 in 2004 (\$97,000 from 2002 through 2004). PIs: Jeff Kelly
- 2004 - Monitoring Avian Productivity and Survivorship at Ft. Sill during 2004 – \$15,000 (\$30,000 total from 2003 through 2004)
- 2004 - Development of Inter-Agency Rare Species Data Sharing and Exchange for Statewide Wildlife Conservation Planning. Oklahoma Department of Wildlife Conservation. I Butler (PI), B Hoagland, E Bergey, and J Kelly. \$266,000
- 2004 - Effects of Landcover change at Sandy Sanders, Packsaddle, and Cooper Wildlife Management Areas on state birds of conservation concern. Oklahoma Department of Wildlife Conservation. Jeff Kelly (PI) and Bruce Hoagland - \$66,000
- 2004 - Member Program Data Improvements under FESTF project with the pesticide industry. NatureServe. B Hoagland, I Butler, J Kelly, E Bergey - \$10,000

Recent Awards

- 2004 – Elective member of the American Ornithologists' Union

Professional Activities

- Co-Editor- Oklahoma Ornithological Society Bulletin - 2003 to present
- Southwestern Assoc. of Naturalists – McCarley Student Awards Committee – 2004, 2005
- Southwestern Assoc. of Naturalists – Best Conservation Paper Committee – 2004, 2005

Professional Affiliations

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| American Ornithologists' Union | Cooper Ornithological Society |
| Ecological Society of America | Society for Conservation Biology |
| The Wildlife Society | Southwestern Association of Naturalists |
| Oklahoma Ornithological Society | Oklahoma Academy of Sciences |