

*Curriculum Vitae*

**LINDA A. WHITTINGHAM**

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**Education:**

- Ph. D. Biology, Queen's University, Kingston, Ontario, Canada, 1988 - 1992.  
Dissertation advisor: Dr. Raleigh J. Robertson  
M. S. Biology, University of Michigan, Ann Arbor, Michigan, 1985-1988.  
Thesis advisor: Dr. Robert B. Payne  
B. S. Biology, University of Michigan, Ann Arbor, Michigan, 1980-1983.

**Professional Experience:**

- Full Professor, University of Wisconsin-Milwaukee, 2007-present.  
Visiting Associate Professor, Univ. of Melbourne, Australia (sabbatical) July05-April06.  
Associate Professor, University of Wisconsin-Milwaukee, 2002-2007.  
Assistant Professor, University of Wisconsin-Milwaukee, 1996-2002.  
Postdoctoral Research Associate in Molecular Evolution Program, Louisiana State University, 1994-1996.  
Postdoctoral Research Associate and Lecturer, Australian National University, 1993-1994.  
Postdoctoral Research Fellow, Museum of Zoology, University of Oslo, Norway, 1992.

**Research Interests:**

Evolution, ecology, animal behavior, ornithology and systematics. Using field studies and genetic techniques (e.g. DNA sequencing, microsatellites, and DNA fingerprinting) to study evolutionary questions. In particular, how ecological and phylogenetic factors influence the evolution and maintenance of behavioral patterns (e.g. parental investment, mating system, mate choice) and life-history characteristics.

**Grants and Awards:**

- NSF 2010-2013 "Collaborative Research: Balancing selection and MHC in an endangered bird. (\$355,207 to UWM, Co-PI with Dr. P.O. Dunn).  
UWM-Research Growth Initiative, 2009-2010, "Genetics of Disease Resistance and Female Choice" (\$39,824).  
UWM-Research Growth Initiative, 2008-2009, "Genetic Diversity and Immunity in Endangered Birds" (\$89,741; Co-PI with Dr. P.O. Dunn).  
NSF, 2004-2008, "Collaborative Research: Sexual Selection on Male Ornaments" (\$287,232; Co-PI with Drs. P.O. Dunn and C. Freeman-Gallant)  
NSF, 2003 Research Experience for Undergraduates Supplement (\$6,000)

NSF, 2002-2005, "Sexual Dimorphism and UV Signaling in Birds" (\$59,632; Co-PI with Dr. Peter Dunn).

NSF, 2001-2004, "Expansion of Laboratory Facilities at the University of Wisconsin-Milwaukee Field Station" (\$138,642; Co-PI with Drs. Reinartz, J.A., Meyer, G.A., Karron, J.D. and Dunn, P.O.)

University of Wisconsin-Milwaukee Graduate School Research Award, 2001 (\$13,055).

NSF, 2000 Research Experience for Undergraduates Supplement (\$3,750)

NSF, 1999-2001; "Parentage and Parental Effort in a Species with Alternative Reproductive Opportunities" (\$45,000). Sole PI.

NSF, 1998-2000, ILI-Division of Undergraduate Education; "Integrating Spatial and Temporal Variability in Ecology Laboratories" (\$47,821; Co-PI with Drs. T. Ehlinger, D. DeSteven and A. Brooks).

Hudson River Foundation, 1998-2000; "PCB Contamination and Genetic Mutation Rates of Tree Swallows" (\$55,982; Co-PI with Dr. P.O. Dunn).

University of Wisconsin-Milwaukee Graduate School Research Award, 1996 (\$11,765).

NSF, 1994-1996, EpSCoR; Postdoctoral Research Fellowship in Molecular Evolution.

### **Scientific Publications:**

Seddon, N., C. A. Botero, J. A. Tobias, P. O. Dunn, H. E. A. MacGregor, D. R. Rubenstein, J. A. C. Uy, J. T. Weir, L. A. Whittingham and R. J. Safran. 2013. Sexual selection accelerates signal evolution during speciation. *Proceedings of the Royal Society London B* 280: 20131065.

Laughlin, A.J., Taylor, C.M., Bradley, D.W., Clark, R.G., Dawson, R., Dunn, P.O., Horn, A., LeClair, D., Leonard, M., Sheldon, D.R., Shutler, D., Whittingham, L.A., Winkler, D.W., and R. Norris. 2013. Combining geolocators with weather radar and citizen science data to examine hypotheses about habitat use during autumn migration in an aerial insectivore. *Auk* 130: 230-239.

Eimes, J. A., K. M. Reed, M. K. Mendoza, J. L. Bollmer, L. A. Whittingham, Z. W. Bateson and P. O. Dunn. 2013. Greater prairie chickens have a compact MHC-B with a single class IA locus. *Immunogenetics* 65: 133-144.

Bollmer, J. L., P.O. Dunn, C. R. Freeman-Gallant and L. A. Whittingham. 2012. Social and extra-pair mating in relation to major histocompatibility complex variation in common yellowthroats. *Proceedings of the Royal Society London B* 279: 4778-4785.

Dunn, P.O., J. L. Bollmer, C. R. Freeman-Gallant and L. A. Whittingham. 2012. MHC variation is related to a sexually selected ornament, survival and parasite resistance in common yellowthroats. *Evolution* 67: 679-687.

Taff, C. C., D. Steinberger, C. Clark, K. Belinsky, H. Sacks, C. R. Freeman-Gallant, P. O. Dunn, L. A. Whittingham. 2012. Multi-

modal sexual selection in a warbler: plumage and song are related to different fitness components. *Animal Behaviour* 84: 813-821.

Shutler, D., D. J. T. Hussell, D. R. Norris, D. W. Winkler, R. J. Robertson, F. Bonier, W. B. Rendell, M. Bélisle, R. G. Clark, R. D. Dawson, N. T. Wheelwright, M. P. Lombardo, P. A. Thorpe, M. A. Truan, R. Walsh, M. L. Leonard, A. G. Horn, C.M. Vleck, D. Vleck, A. P. Rose, L. A. Whittingham, P. O. Dunn, K. A. Hobson, M. T. Stanback. 2012. Spatiotemporal patterns in nest box occupancy by tree swallows across North America. *Avian Conservation and Ecology* 7 (1): 3-9.

Hess, B.D., P.O. Dunn and L.A. Whittingham. 2012. Females choose multiple males in the lekking Greater-prairie Chicken. *Auk* 129: 133-139.

Eimes, J.A., J.L. Bollmer, L.A. Whittingham, J.A. Johnson, C. van Oosterhout, and P.O. Dunn. 2011. Rapid loss of MHC class II variation in a bottlenecked population is explained by drift and loss of copy number variation. *Journal of Evolutionary Biology* 24: 1847-1856.

Taff, C.C., C.R. Freeman-Gallant, P.O. Dunn and L.A. Whittingham. 2011. Relationship between brood sex ratio and male ornaments depends on male age in a warbler. *Animal Behaviour* 81: 619-625.

Dunn, P.O., D.W. Winkler, L.A. Whittingham, S.J. Hannon and R.J. Robertson. 2011. A test of the mismatch hypothesis: How predictable is the timing of food abundance for aerial insectivores? *Ecology* 92: 450-461.

Whittingham, L. A. and P.O. Dunn. 2010. Fitness benefits of polyandry for experienced females. *Molecular Ecology* 19: 2328-2335.

Bollmer, J.L., P.O. Dunn and L.A. Whittingham. 2010. Extensive MHC class II B gene duplication in a passerine bird. *Journal of Heredity* 101: 448-460.

Eimes, J.A., J.L. Bollmer, P.O. Dunn, L.A. Whittingham and C. Wimpee. 2010. MHC Class II Diversity and Balancing Selection in Greater prairie-chickens. *Genetica* 138: 265-271

Freeman-Gallant, C.F., C.C. Taff, D. Morin, P.O. Dunn and L.A. Whittingham. 2010. Sexual selection, multiple male ornaments, and age- and condition-dependent signaling in the common yellowthroat. *Evolution* 64: 1007-1017.

Dunn, P.O., J.C. Garvin, L.A. Whittingham, C. Freeman-Gallant and D. Hasselquist. 2009. Carotenoid and melanin-based ornaments signal similar aspects of male quality in two populations of the common yellowthroat. *Functional Ecology* 24: 149-158.

- Dunn, P.O., J.T. Lifjeld and L.A. Whittingham. 2009. Multiple paternity and offspring quality in tree swallows. *Behavioral Ecology and Sociobiology* 63: 911-922.
- Armenta, J.K., P.O. Dunn and L.A. Whittingham. 2008. Quantifying avian sexual dichromatism: a comparison of methods. *Journal of Experimental Biology* 211: 2423-2430.
- Armenta, J.K., P.O. Dunn and L.A. Whittingham. 2008. Effects of specimen age on plumage color. *Auk* 125: 803-808.
- Moyle, R.G., B. Slikas, L.A. Whittingham, D.W. Winkler and F.H. Sheldon. 2008. Phylogeny of New World martins (Hirundinidae: *Progne*) estimated from mitochondrial cytochrome *b* DNA sequences. *Wilson Journal of Ornithology* 120: 683-691.
- Garvin, J.C., P.O. Dunn, L.A. Whittingham, D.A. Steeber and D. Hasselquist. 2008. Do male ornaments signal immunity in the common yellowthroat? *Behavioral Ecology* 19: 54-60.
- Dunn, P.O., L.A. Whittingham, C. R. Freeman-Gallant and J. DeCoste. 2008. Geographic variation in the function of ornaments in the common yellowthroat. *Journal of Avian Biology* 39: 66-72.
- Dale, J., P.O. Dunn, J. Figuerola, T. Lislevand, T. Székely, L.A. Whittingham. 2007. Sexual selection explains Rensch's rule of allometry for sexual size dimorphism. *Proceedings of the Royal Society of London B* 274: 2971-2979.
- Whittingham, L.A., P.O. Dunn and J.T. Lifjeld. 2007. Egg mass is related to nestling quality, but there is no differential allocation in tree swallows. *Condor* 109: 585-594.
- Dunn, P.O. and L.A. Whittingham. 2007. Travel costs influence extra-pair mate choice in female tree swallows. *Behavioral Ecology and Sociobiology* 61: 449-454.
- Mitchell, D.P., P.O. Dunn, L.A. Whittingham and C. Freeman-Gallant. 2007. Attractive males provide less parental care in the common yellowthroat. *Animal Behaviour* 73: 165-170.
- Abroe, B., J.C. Garvin, M.C. Pedersen, L.A. Whittingham and P.O. Dunn. 2007. Brood sex ratios are related to male size but not to attractiveness in the common yellowthroat. *Auk* 124: 163-175.
- Garvin, J.C., B. Abroe, M.C. Pedersen, P.O. Dunn and L. A. Whittingham. 2006. Immune response of nestling warblers varies with extra-pair paternity and temperature. *Molecular Ecology* 15: 3833-3840.

- Whittingham, L.A., P.O. Dunn and M.K. Stapleton. 2006. Repeatability of extra-pair mating in tree swallows. *Molecular Ecology* 15: 841-849.
- Pedersen, M.C., P.O. Dunn and L.A. Whittingham. 2006. Extra-territorial forays are related to a male ornamental trait in the common yellowthroat. *Animal Behaviour* 72: 479-486.
- Nooker J.K., P.O. Dunn and L.A. Whittingham. 2005. Effects of food abundance, weather and female condition on reproduction in tree swallows. *Auk* 122: 1225-1238.
- Dunn, P.O. and L.A. Whittingham. 2005. Radio tracking female Tree Swallows prior to egg laying. *Journal of Field Ornithology* 76: 259-263.
- Whittingham, L.A., P.O. Dunn and J.K. Nooker. 2005. Maternal influences on brood sex ratios: An experimental study in tree swallows. *Proceedings of the Royal Society of London B* 272: 1775-1780.
- Tarof, S.A., P.O. Dunn and L.A. Whittingham. 2005. The role of melanin- and carotenoid-based ornaments in male-male competition and female choice in the common yellowthroat. *Proceedings of the Royal Society of London B* 272: 1121-1127.
- Pitcher, T., P.O. Dunn and L.A. Whittingham. 2005. Sperm competition and the evolution of testes size in birds. *Journal of Evolutionary Biology* 18: 557-567.
- Sheldon, F.H., L.A. Whittingham, R.G. Moyle, B. Slikas and D.W. Winkler. 2005. Phylogeny of Swallows (Aves: Hirundinidae) estimated from nuclear and mitochondrial DNA sequences. *Molecular Phylogenetics and Evolution* 35: 254-270.
- Whittingham L.A. and P.O. Dunn. 2005. Effects of extra-pair and within-pair reproductive success on the opportunity for selection in birds. *Behavioral Ecology* 16: 138-144.
- Brylawski, A.M.Z. and L.A. Whittingham. 2004. An experimental study of mate guarding and paternity in house wrens. *Animal Behaviour* 68: 1417-1424.
- Poirier, N.E., L.A. Whittingham and P.O. Dunn. 2004. Males achieve greater reproductive success through multiple broods than through extra-pair mating in house wrens. *Animal Behaviour* 67: 1109-1116.
- Poirier, N.E., L.A. Whittingham and P.O. Dunn. 2003. Effects of paternity and mate availability on mate switching in house wrens. *Condor* 105: 816-821.
- Whittingham, L.A., Dunn, P.O. and E.D. Clotfelter. 2003. Parental allocation of food to nestling tree swallows: the influence of nestling behavior, sex, and paternity. *Animal Behaviour* 65: 1203-1210.
- Badyaev A.V., M.L. Beck, G.E. Hill, L.A. Whittingham. 2003. The evolution of sexual size dimorphism in the house finch: V. Maternal effects. *Evolution* 57: 384-396.

- Badyaev, A.V., G.E. Hill, L.A. Whittingham. 2002. Population consequences of maternal effects: sex-bias in egg-laying order facilitates divergence in sexual dimorphism between bird populations. *Journal of Evolutionary Biology* 15: 997-1003.
- Whittingham, L.A., S.M. Valkenaar, N.E. Poirier and P.O. Dunn. 2002. Maternal condition and nestling sex ratio in house wrens. *Auk* 119: 125-130.
- Badyaev, A.V, G.E. Hill, M.L. Beck, A.A. Dervan, R.A. Duckworth, K.J. McGraw, P. M. Nolan, and L.A. Whittingham. 2002. Sex-biased hatching order and adaptive population divergence in a passerine bird. *Science* 295: 316-318.
- Lifjeld, J. T., P.O. Dunn and L.A. Whittingham. 2002. Short-term fluctuations in cellular immunity of adults tree swallows feeding nestlings. *Oecologia* 130: 185-190.
- Whittingham, L.A., B. Slikas, F.H. Sheldon and D.W. Winkler. 2002. Phylogeny of the tree swallow genus (Aves: Hirundinidae: *Tachycineta*) by Bayesian analysis of mitochondrial DNA sequences. *Molecular Phylogenetics and Evolution* 22: 430-441.
- Badyaev, A.V, G.E. Hill and L.A. Whittingham. 2001. The evolution of sexual size dimorphism in the house finch: IV. Population divergence in ontogeny of dimorphism. *Evolution* 55: 2534-2549.
- Stapleton, M., P.O. Dunn, J. McCarty, A. Secord and L.A. Whittingham. 2001. Polychlorinated biphenyl contamination and minisatellite DNA mutation rates of tree swallows. *Environmental Toxicology and Chemistry* 20: 2263-2267.
- Whittingham, L.A. and H. Schwabl. 2001. Maternal testosterone in tree swallow eggs varies with female aggression. *Animal Behaviour* 63: 63-67.
- Thusius, K.J., K.A. Peterson, P.O. Dunn and L.A. Whittingham. 2001. Sexual selection through within-pair and extra-pair mate choice in the common yellowthroat (*Geothlypis trichas*). *Animal Behaviour* 62: 435-446.
- Thusius, K.J., P.O. Dunn, K.A. Peterson and L.A. Whittingham. 2001. Extrapair paternity is influenced by breeding synchrony and density in the common yellowthroat. *Behavioral Ecology* 12: 633-639.
- Whittingham, L.A. and P.O. Dunn. 2001. Male parental care and paternity in birds. *Current Ornithology* 16: 257-298.
- Peterson, K.A., K.J. Thusius, L.A. Whittingham, and P.O. Dunn. 2001. Allocation of male parental care in relation to paternity within and among broods of the common yellowthroat *Geothlypis trichas*. *Ethology* 107: 573-586.
- Whittingham, L.A. and P.O. Dunn. 2001. Survival of extrapair and withinpair offspring in tree swallows. *Behavioral Ecology* 12: 496-500.

- Badyaev, A.V., L.A. Whittingham and G.E. Hill. 2001. The Evolution of sexual dimorphism in the house finch: III Developmental basis. *Evolution* 55: 176-189.
- Dunn, P.O., L.A. Whittingham and T.E. Pitcher. 2001. Mating systems, sperm competition and the evolution of sexual dimorphism in birds. *Evolution* 55: 161-175.
- Whittingham, L.A. and P.O. Dunn. 2001. Responses of female tree swallows to intraspecific brood parasitism. *Condor* 103: 166-170.
- Clotfelter, E. D., L. A. Whittingham and P.O. Dunn. 2000. Laying order, hatching order and their effect on body mass in nestling tree swallows (*Tachycineta bicolor*). *Journal of Avian Biology* 31: 329-334.
- Whittingham, L.A. and P.O. Dunn. 2000. Offspring sex ratios in tree swallows: females in better condition produce more sons. *Molecular Ecology* 9: 1123-1129.
- Whittingham, L.A., F.H. Sheldon and S.T. Emlen. 2000. Molecular phylogeny of jacanas and its implications for morphologic and biogeographic evolution. *Auk* 117: 22-32.
- Kirchman, J.J., L.A. Whittingham and F.H. Sheldon. 2000. Relationships among cave swallow (*Petrochelidon fulva*) populations determined by comparisons of microsatellite and cytochrome-*b* data. *Molecular Phylogenetics and Evolution* 14: 107-121.
- Sheldon, F.H., L.A. Whittingham and D.W. Winkler. 1999. A comparison of cytochrome-*b* and DNA hybridization data bearing on the phylogeny of swallows (Aves: Hirundinidae). *Molecular Phylogenetics and Evolution* 11: 320-331
- Whittingham, L.A. and P.O. Dunn. 1998. Male parental effort and paternity in a variable mating system. *Animal Behaviour* 55: 629-640.
- Magrath, R.D. and L.A. Whittingham. 1997. Kinship, cooperation and non-cooperation in white-browed scrubwrens. *Behavioral Ecology and Sociobiology* 41: 185-192.
- Whittingham, L.A., A. Kirkconnell and L.M. Ratcliffe. 1997. The context and function of duets and solo songs in Red-shouldered Blackbirds (*Agelaius assimilis*). *Wilson Bulletin* 109: 279-289
- Whittingham, L.A., P.O. Dunn and R.D. Magrath. 1997. Relatedness, polyandry and extra-group paternity in the cooperatively breeding white-browed scrubwren (*Sericornis frontalis*). *Behavioral Ecology and Sociobiology* 40: 261-270.
- Whittingham, L.A., A. Kirkconnell and L.M. Ratcliffe. 1996. Breeding behavior, social organization and morphology of Red-shouldered (*Agelaius assimilis*) and Tawny-shouldered (*A. humeralis*) blackbirds. *Condor* 98: 832-836.
- Whittingham, L.A. and J.T. Lifjeld. 1995. Extra-pair fertilizations increase the opportunity for sexual selection in the monogamous house martin *Delichon urbica*. *Journal of Avian Biology* 26: 283-288.

- Whittingham, L.A. and J.T. Lifjeld. 1995. High paternal investment in unrelated young: extra-pair paternity and male parental care in house martins. *Behavioral Ecology and Sociobiology* 37: 103-108.
- Whittingham, L.A., P.O. Dunn and R.J. Robertson. 1995. Testing the female mate guarding hypothesis. *Animal Behaviour* 50: 277-279.
- Whittingham, L. A., P.O. Dunn and R.J. Robertson. 1995. Do males exchange feathers for copulations in tree swallows? *Auk* 112: 1079-1080.
- Whittingham, L.A. 1994. Additional mating opportunities and male parental care in red-winged blackbirds. *Animal Behaviour* 48: 875-883.
- Whittingham, L.A., P.O. Dunn and R.J. Robertson. 1994. Female response to reduced male parental care in birds: an experimental study in tree swallows. *Ethology* 96: 260-269.
- Whittingham, L.A., P.O. Dunn and R.J. Robertson. 1994. Do female tree swallows guard their mates by copulating frequently? *Animal Behaviour* 47: 994-997.
- Whittingham, L.A. and R.J. Robertson. 1994. Food availability, male parental care and mating success in red-winged blackbirds (*Agelaius phoeniceus*). *Journal of Animal Ecology* 63: 139-150.
- Dunn, P.O., L.A. Whittingham, J.T. Lifjeld, R.J. Robertson and P.T. Boag. 1994. Effects of breeding density, synchrony and experience on extra-pair paternity in tree swallows. *Behavioral Ecology* 5: 123-129.
- Quinn, J.S., L.A. Whittingham and R.D. Morris. 1994. Infanticide in skimmers and terns: side effects of territorial attacks or intergenerational conflict? *Animal Behaviour* 47: 363-367.
- Whittingham, L.A. and R.J. Robertson. 1993. Nestling hunger and parental care in Red-winged Blackbirds. *Auk* 110: 240-246.
- Whittingham, L.A., P.O. Dunn and R.J. Robertson. 1993. Confidence of paternity and male parental care: an experimental study in tree swallows. *Animal Behaviour* 46: 139-147.
- Whittingham, L.A. 1993. Effects of nestling provisioning on time-activity budgets of male red-winged blackbirds. *Condor* 95: 730-734.
- Whittingham, L.A., A. Kirkconnell and L.M. Ratcliffe. 1992. Differences in song and sexual dimorphism in Cuban and North American Red-winged Blackbirds (*Agelaius phoeniceus*). *Auk* 109: 928-933.
- Whittingham, L.A., P.D. Taylor and R.J. Robertson. 1992. Confidence of paternity and male parental care. *American Naturalist* 139: 1115-1125.



Whittingham, L.A. 1989. An experimental study of paternal behavior in red-winged blackbirds. *Behavioral Ecology and Sociobiology* 25: 73-80.

### **Book Chapters:**

Sheldon, F. H. and L. A. Whittingham. 1997. Using molecular phylogenies to study bird ecology, behavior, and morphology. *In: Avian Molecular Evolution and Systematics* (D. Mindell, ed.). Academic Press, San Diego. pp. 279-300.

### **Recent Conference Presentations:**

Dunn, P.O., L.A. Whittingham and J. Bollmer. MHC Variation is related to a sexually selected ornament, survival and parasite resistance in common yellowthroats. Society for the Study of Evolution, Ottawa, Canada, 2013.

Dunn, P.O., L.A. Whittingham and J. Bollmer. MHC Variation is related to a sexually selected ornament, survival and parasite resistance in common yellowthroats. North American Ornithological Conference, Vancouver, Canada, 2013.

Bollmer, J.L., P.O. Dunn and L.A. Whittingham. Extensive MHC class II B gene duplication in a passerine bird. Society for the Study of Evolution, Portland, Oregon, 2010.

Eimes, JA, JL Bollmer, PO Dunn, LA Whittingham and C Wimpee. MHC Class II Diversity and Balancing Selection in Greater prairie-chickens. Society for the Study of Evolution, Portland, Oregon, 2010.

Whittingham, L. A. and P.O. Dunn. Fitness benefits of polyandry for experienced females. International Society of Behavioral Ecologists, Cornell, 2008.

Dunn, P.O., J.C. Garvin, L.A. Whittingham, C. Freeman-Gallant and D. Hasselquist. Carotenoid and melanin-based ornaments signal similar aspects of male quality in two populations of the common yellowthroat. American Ornithologists' Union, Wyoming, 2007.

Robertson, R.J, P.O. Dunn, L.A. Whittingham. Extra-pair fertilizations in swallows: where have we been, where are we going? American Ornithologists' Union, Veracruz, Mexico, 2006.

Garvin, J.C., B. Abroe, M.C. Pedersen, P.O. Dunn and L.A. Whittingham. Immune response of nestling warblers varies with extra-pair paternity and temperature. American Ornithologists' Union, Veracruz, Mexico, 2006.

Whittingham, L.A. and P.O. Dunn. High and repeatable extra-pair paternity in tree swallows no matter what! International Society of Behavioral Ecologists, Tours, France 2006.

Armenta, J.K., P.O. Dunn and L.A. Whittingham. Assessing Sexual Dichromatism in the Avian Visual Range. International Society of Behavioral Ecologists, Tours, France 2006.

Whittingham, L. A. and P.O. Dunn. How important is extra-pair mating to selection in birds? Animal Behaviour Society, Oaxaca, Mexico, 2004, and International Society of Behavioral Ecologists, Javaskyla, Finland, 2004.

Dunn, P.O., M.C. Pederson, S.A. Tarof and L. A. Whittingham. Dual functions of a melanin based ornament in the common yellowthroat. Animal Behaviour Society, Oaxaca, Mexico, 2004 and International Society of Behavioral Ecologists, Javaskyla, Finland, 2004.

Whittingham, L. A., Dunn, P. O. and E. D. Clotfelter. Parental allocation of food to nestling tree swallows: the influence of nestling behavior, sex, and paternity. American Ornithologists' Union, Univ. of Illinois, 2003.

Sheldon, F. H., L. A. Whittingham, B. Slikas, D. W. Winkler. Phylogeny of swallows (Hirundinidae) via cytochrome *b* sequences. American Ornithologists' Union, New Orleans, 2002.

Whittaker, K. A., K. J. Thusius, L. A. Whittingham, and P. O. Dunn. Male parental care and paternity in a double-brooded species with brood division. American Ornithologists' Union, New Orleans, 2002

Poirier, N. E., L. A. Whittingham and P. O. Dunn. Extra-pair mating does not compensate for multiple broods in house wrens. International Society of Behavioral Ecologists, Montreal, Canada, 2002.

### **Honors:**

Elected Fellow of the American Ornithologists' Union, 2006.

NSF panel member for review of grant proposals in Animal Behavior 2004.

Elected Councilor of the International Society of Behavioral Ecologists, 2000-2004.

Board of Directors Bluebird Restoration Association of Wisconsin, 2001-2005.

Elected Member of the American Ornithologists' Union, 1998.

### **Foreign Research:**

Conducted independent field research projects in Norway (1 year), Australia (4 years), Cuba (2 months) and West Africa (1 month).

### **Professional Service:**

Chair of Cooper Society Publications Committee 2008-09.

Student Research Awards Committee, American Ornithologists' Union, 2008-2012.

Student Research Awards Committee, Animal Behavior Society, 2011.

Senior Awards Committee, American Ornithologists' Union, 2013.

**Reviewer for:**

The American Naturalist, Evolution, Proceedings of the Royal Society London, Animal Behaviour, Behavioral Ecology, Behavioral Ecology and Sociobiology, Functional Ecology, Journal of Avian Biology, The Auk, The Condor, Journal of Field Ornithology, Canadian Journal of Zoology, Israeli Science Foundation, National Science Foundation, National Geographic Society, NSERC.

**Graduate Students:** Kara Peterson (M.S.1999), Kevin Thusius (M.S.2000), Mary Stapleton (M.S. 2000; co-advised with Dr. Peter Dunn), Nicole Poirier (M.S.2001), and Alice Brylawski (M.S. 2003), Betsy Abroe (M.S. 2005), Joan Maurer (M.S. 2007), Zachary Bateson (Ph.D. current), Keir Wefferling (Ph.D. current), Katie McKenney (M.S. current).

**Post-doctoral Advisees:** Scott Tarof (Ph.D. Queen's University, Canada), Ethan Clotfelter (Ph. D. Univ. Wisconsin-Madison).