

CURRICULUM VITAE

Irby J. Lovette

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Most recent update: August 2014

EDUCATION

Ph.D. University of Pennsylvania, Biology, 1999
B.A. Dartmouth College, Biology, 1992

APPOINTMENTS

2014-present Professor, Dept. of Ecology & Evolutionary Biology, Cornell University
2007-present Associate Director for Academic Affairs, Cornell Laboratory of Ornithology
2001-present Director, Fuller Evolutionary Biology Program, Cornell Laboratory of Ornithology
2001-present Faculty Curator of Genetic Resources, Cornell Museum of Vertebrates
2007-2014 Associate Professor, Dept. of Ecology & Evolutionary Biology, Cornell University
2006-2009 Director of Graduate Studies, Field of Ecology & Evolutionary Biology, Cornell
2001-2007 Assistant Professor, Dept. of Ecology & Evolutionary Biology, Cornell University
2000-2001 Postdoctoral Fellow, Center for Tropical Research, San Francisco, California

AWARDS AND HONORS

Elected Member at Large, Cornell University Faculty Senate, 2014-2017
Excellence in Mentoring Undergraduates in Independent Research Award, Cornell, 2012
Elected Fellow, American Ornithologists' Union, 2009
Harry T. Stinson Award for Outstanding Service to Biology Students, Cornell, 2009
Dean's Award for Distinguished Teaching, University of Pennsylvania, 1998

ADVISING AND TRAINING

Postdoctoral Associates

Dr. David Toews, 2014-present
Dr. Leo Campagna, 2013-present
Dr. Scott Taylor, 2012-present
Dr. Matthew Carling 2008-2011
Dr. Roi Dor 2008-2011
Dr. Andrea Townsend, 2009-2010
Dr. Aurelie Coulon 2006-2008
Dr. Rachel Vallender 2006-2009

Present Professional Affiliation

Assistant Professor, University of Wyoming
Assistant Professor, University of Tel Aviv
Assistant Professor, Hamilton College
Assoc. Prof., Muséum National d'Histoire Naturelle, Paris
Scientist, Environment Canada

Ph.D. Students

Stephanie Aguilon, current
Nick Mason, current

Petra Deane, current
Yula Kapetanakos, 2014 Associate Multimedia Producer, Cornell Lab of Ornithology
Dr. Valentina Ferretti, 2010 Scientist, Museo Argentino de Ciencias Naturales
Dr. Daniel L. Rabosky, 2009 Assistant Professor, U. of Michigan
Dr. Andrea K. Townsend, 2009 Assistant Professor, Hamilton College
Dr. Mari Kimura, 2008 Scientist, United States Department of State

M.S. Students

Valentina Ferretti, 2004 Scientist, Museo Argentino de Ciencias Naturales

Undergraduate Honors Students

Many, including >30 as lead or co-authors on published scientific papers since 2004

ALL PUBLICATIONS

124. Taylor, S. A., R. L. Curry, T. A. White, V. Ferretti, and I. J. Lovette. In Press. Temporally Consistent Selection in a Rapidly Moving Avian Hybrid Zone. *Evolution*.
123. Barker, F. K., K. J. Burns, J. Klicka, S. M. Lanyon, and I. J. Lovette. In press. New insights into New World biogeography: an integrated view from the phylogeny of blackbirds, cardinals, sparrows, tanagers, warblers, and allies. *Auk*.
122. Rabosky, D. L., S. C. Donnellan, M. Grundler, and I. J. Lovette. 2014. Analysis and Visualization of Complex Macroevolutionary Dynamics: An Example from Australian Scincid Lizards. *Systematic Biology* 63, 610-627.
121. Kapetanakos, Y.A., I.J. Lovette, and T.E. Katzner. 2014. Development of microsatellite markers and a restriction endonuclease digest assay for non-invasive sampling of endangered White-rumped, Slender-billed and Red-headed vultures. *Conservation Genetics Resources* 6, 539-542.
120. Chesser, R. T., R. C. Banks, F. K. Barker, C. Cicero, J. L. Dunn, A. W. Kratter, I. J. Lovette, P. C. Rasmussen, J. V. Remsen, J. D. Rising, D. F. Stotz, and K. Winker. 2012. Fifty-fifth supplement to the American Ornithologists' Union Check-List of North American Birds. *Auk* 131, CSi-CSxv
119. Lovette, I.J. 2014. Evolutionary values for all 10,000 birds. *Current Biology* 24, R401-R402.
118. Klicka, J., Barker, F. K., Burns, K. J., Lanyon, S. M., Lovette, I. J., Chaves, J. A., Bryson Jr., R. W. 2014. A comprehensive multilocus assessment of sparrow (Aves: Passerellidae) relationships. *Molecular Phylogenetics and Evolution* 77, 177-182.
117. Taylor, S. A., T.A. White, W. M. Hochachka, V. Ferretti, R. L. Curry, and I. J. Lovette. 2014. Climate Mediated Movement of an Avian Hybrid Zone. *Current Biology* 24, 671-676.
116. Rabosky, D. L., S. C. Donnellan, M. Hutchinson, A. L. Talaba, , and I. J. Lovette. 2014. Phylogenetic disassembly of species boundaries in a widespread group of Australian skinks (Scincidae: *Ctenotus*). *Molecular Phylogenetics and Evolution* 77, 71-82.

115. Powell, A.F.L.A., F. K. Barker, S. M. Lanyon, K. J. Burns, J. Klicka, I. J. Lovette. 2014. A comprehensive species-level molecular phylogeny of the New World blackbirds (Icteridae). *Molecular Phylogenetics and Evolution* 71, 94–112.
114. Burns, K. J., A. J. Shultz; P. I Title, N. Mason, F. K. Barker, J. Klicka, S. M. Lanyon; I. J. Lovette. 2014. Phylogenetics and diversification of tanagers (Passeriformes: Thraupidae), the largest radiation of Neotropical songbirds. *Molecular Phylogenetics and Evolution* 75, 41-77.
113. Willis, P. M., R. E. Symula, and I. J. Lovette. 2013. Ecology, song similarity, and phylogeny predict natural hybridization in an avian family. *Evolutionary Ecology* DOI 10.1007/s10682-013-9677-4
112. Vortman, Y., A. Lotem, R. Dor, I. J. Lovette, and R. J. Safran. 2013. Multiple sexual signals and behavioral reproductive isolation in a diverging population. *American Naturalist* 182, 514-523.
111. Harris, R. B., M. D. Carling, and I. J. Lovette. 2013. The influence of sampling design on species tree inference: a new relationship for the New World chickadees (Aves: Poecile). *Evolution* 68, 501-513.
110. Hochachka, W. M., , A. A. Dhondt, A. Dobson, D. M. Hawley, D. H. Ley, and I. J. Lovette. 2013. Multiple host transfers, but only one successful lineage in a continent-spanning emergent pathogen. *Proceedings of the Royal Society B* 280, DOI:10.1098/rspb.2013.1068.
109. Chesser, R. T., R. C. Banks, F. K. Barker, C. Cicero, J. L. Dunn, A. W. Kratter, I. J. Lovette, P. C. Rasmussen, J. V. Remsen, J. D. Rising, D. F. Stotz, and K. Winker. 2012. Fifty-fourth supplement to the American Ornithologists' Union Check-List of North American Birds. *Auk* 130, 558-571.
108. Cramer, E. R. A., T. Laskemoen, O. Kleven, K. L. LaBarbera, I. J. Lovette, and J. T. Lifjeld. 2013. Sperm morphology does not predict paternity success in wild House Wrens. *Behavioral Ecology and Sociobiology* 67, 1845-1853.
107. Rubin, B. E. R., R. M. Anderson, D. Kennedy, T. M. Palmer, M. L. Stanton, and I. J. Lovette. 2013. Polygyny in the nest-site limited acacia-ant *Crematogaster mimosae*. *Insectes Sociaux* 60, 231-241.
106. Barker, F. K., K. J. Burns, J. Klicka, S. M. Lanyon, and I. J. Lovette. 2013. Going to extremes: Contrasting rates of diversification in a recent radiation of New World passerine birds. *Systematic Biology* 62, 298-320.
105. Chesser, R. T., R. C. Banks, F. K. Barker, C. Cicero, J. L. Dunn, A. W. Kratter, I. J. Lovette, P. C. Rasmussen, J. V. Remsen, J. D. Rising, D. F. Stotz, and K. Winker. 2012. Fifty-third supplement to the American Ornithologists' Union Check-List of North American Birds. *Auk* 129, 573-588.
104. Dor, R., M. D. Carling, I. J. Lovette, F. H. Sheldon, and D. W. Winkler. 2013. Species trees for the tree swallows (Genus *Tachycineta*): An alternative phylogenetic hypothesis to the mitochondrial gene tree. *Molecular Phylogenetics and Evolution* 66, 317-322.

103. Wagner, C. E., A. R. McCune, and I. J. Lovette. 2012. Recent speciation in sympatric Tanganyikan cichlid color-morphs. *Molecular Ecology* 13, 3283-3292.
102. Coulon, A., J. W. Fitzpatrick, R. Bowman, and I. J. Lovette. 2012. Mind the gap: Genetic distance increases with habitat gap size in Florida Scrub-Jays. *Biology Letters* 8, 582-585.
101. Katzner, T. E., M. Wheeler, J. J. Negro, Y. Kapetanacos, J. A. Dewoody, M. Horvath, and I. J. Lovette. 2012. To pluck or not to pluck: Scientific methodologies should be carefully chosen, not 'one size fits all.' *Journal of Avian Biology* 43.
100. Dor, R., I. J. Lovette, R. J. Safran, S. M. Billerman, G. H. Huber, Y. Vortman, A. Lotem, A. McGowan, M. R. Evans, C. B. Cooper, and D. W. Winkler. 2011. Low variation in the polymorphic clock gene poly-Q region despite population genetic structure across Barn Swallow (*Hirundo rustica*) populations. *PLOS ONE* 12, e28843.
99. Dor, R., C. B. Cooper, I. J. Lovette, B. Massoni, F. Bulit, and D. W. Winkler. 2011. Clock gene variation in *Tachycineta* Swallows. *Ecology and Evolution* doi: 10.1002/ece3.73.
98. Cerasale, D., R. Dor., D. W. Winkler, and I. J. Lovette. 2012. Phylogeny of the *Tachycineta* genus of New World swallows: Insights from complete mitochondrial genomes. *Molecular Phylogenetics and Evolution* 63, 64-71.
97. Dor, R., R. J. Safran, Y. Vortman, A. Lotem, A. McGowan, M. R. Evans, and I. J. Lovette. 2012. Population genetics and morphological comparisons of migratory European (*Hirundo rustica rustica*) and sedentary East-Mediterranean (*H. r. transitiva*) Barn Swallows. *Journal of Heredity* 103, 55-63.
96. Latta, S. C., A. K. Townsend, and I. J. Lovette. 2012. The origins of the recently discovered Hispaniolan Olive-throated Parakeet: A phylogeographic perspective on a conservation conundrum. *Caribbean Journal of Science* 46, 143-149.
95. Ferretti, V., V. Massoni, F. Bulit, I. J. Lovette, and D. W. Winkler. 2011. Heterozygosity and fitness benefits of extrapair mate choice in White-rumped Swallows (*Tachycineta leucorrhoa*). *Behavioral Ecology* 22, 1178-1186.
94. LaBarbera, K. L., I. J. Lovette, and P. E. Llambías. 2011. Mating opportunities, paternity, and sexual conflict: Paternal care in Northern and Southern temperate House Wrens. *Behavioral Ecology and Sociobiology* 66, 253-260.
93. Lovette, I. J., B. S. Arbogast, R. L. Curry, R. M. Zink, C. A. Botero, J. P. Sullivan, A. L. Talaba, R. B. Harris, D. R. Rubenstein, R. E. Ricklefs, and E. Bermingham. 2012. Phylogenetic relationships of the mockingbirds and thrashers (Aves: Mimidae). *Molecular Phylogenetics and Evolution* 63, 219-229.
92. Rabosky, D. L., M. A. Cowan, A. L. Talaba, and I. J. Lovette. 2011. Contemporary and historical species interactions mediate phylogenetic community structure in a hyper-diverse lizard assemblage from arid Australia. *American Naturalist* 178, 579-595.

91. Sly, N. D., A. K. Townsend, C. C. Rimmer, J. M. Townsend, S. C. Latta, and I. J. Lovette. 2011. Ancient islands and modern invasions: Disparate phylogeographic histories among Hispaniola's endemic birds. *Molecular Ecology* 20, 5012-5024.
90. Vortman, Y., A. Lotem, R. Dor, I. J. Lovette, and R. J. Safran. 2011. The sexual signals of the East-Mediterranean Barn Swallow: A different swallow tale. *Behavioral Ecology* 22, 1344-1352.
89. Winger, B. M., I. J. Lovette, and D. W. Winkler. 2011. Ancestry and evolution of seasonal migration in the Parulidae. *Proceedings Of The Royal Society B-Biological Sciences* 279, 610-618.
88. Cramer, E. R. A., M. L. Hall, S. R. de Kort, I. J. Lovette, and S. L. Vehrencamp. 2011. Infrequent extra-pair paternity in Banded Wrens, synchronously breeding tropical passerines. *Condor* 113, 637-645.
87. Chesser, R. T., R. C. Banks, F. K. Barker, C. Cicero, J. L. Dunn, A. W. Kratter, I. J. Lovette, P. C. Rasmussen, J. V. Remsen, J. D. Rising, D. F. Stotz, and K. Winker. 2011. Fifty-second supplement to the American Ornithologists' Union Check-List of North American Birds. *Auk* 128, 600-613.
86. Billerman, S. M., G. H. Huber, R. J. Safran, D. W. Winkler, and I. J. Lovette. 2011. Population genetics of the recent transcontinental colonization of South America by breeding Barn Swallows. *Auk* 128, 506-513.
85. Townsend, A. K., R. Bowman, J. W. Fitzpatrick, M. Dent, and I. J. Lovette. 2011. Genetic monogamy across variable demographic landscapes in cooperatively breeding Florida Scrub-Jays. *Behavioral Ecology* 22, 464-470.
84. Carling, M. D., L. G. Serene, and I. J. Lovette. 2011. Using ancient DNA to characterize historical hybridization between Baltimore (*Icterus galbula*) and Bullock's (*Icterus bullockii*) Orioles. *Auk* 128, 61-68.
83. Chesser, R. T., R. C. Banks, F. K. Barker, C. Cicero, J. L. Dunn, A. W. Kratter, I. J. Lovette, P. C. Rasmussen, J. V. Remsen, J. D. Rising, D. F. Stotz, and K. Winker. 2010. Fifty-first supplement to the American Ornithologists' Union Check-List of North American Birds. *Auk* 127, 726-744.
82. Lovette, I. J., J. L. Pérez-Emán, J. Sullivan, R. C. Banks, I. Fiorentino, S. Córdoba-Córdoba, M. Echeverry-Galvis, F. K. Barker, K. Burns, J. Klicka, S. M. Lanyon, and E. Bermingham. 2010. A comprehensive multilocus phylogeny for the Wood-Warblers and a revised classification of the Parulidae (Aves). *Molecular Phylogenetics and Evolution* 57, 753-770.
81. Sly, N. D., A. K. Townsend, C. C. Rimmer, J. M. Townsend, S. C. Latta, and I. J. Lovette. 2010. Phylogeography and conservation genetics of the Hispaniolan endemic Palm-Tanagers (Aves: *Phaenicophilus*). *Conservation Genetics* 11, 2121-2129.
80. LaBarbera, K. L., P. E. Llambías, E. R. A. Cramer, T. D. Schaming, and I. J. Lovette. 2010. Synchrony does not explain extra-pair paternity rate variation in Northern and Southern House Wrens. *Behavioral Ecology* 21, 773-780.

79. Dor, R., R. J. Safran, F. H. Sheldon, D. W. Winkler, and I. J. Lovette. 2010. Phylogeny of the genus *Hirundo* and the Barn Swallow subspecies complex. *Molecular Phylogenetics and Evolution* 56, 409-418.
78. Carling, M.D., I. J. Lovette, and R. T. Brumfield. 2010. Historical divergence and gene flow: Coalescent analyses of mitochondrial, autosomal, and sex-linked loci in *Passerina* buntings. *Evolution* 64, 1762-1772.
77. Coulon, A., J. W. Fitzpatrick, R. Bowman, and I. J. Lovette. 2010. Effects of habitat fragmentation on effective dispersal of Florida Scrub-Jays. *Conservation Biology* 24, 1080-1088.
76. Rubenstein, D. R., and I. J. Lovette. 2009. Reproductive skew and selection on female ornamentation in social species. *Nature* 462, 786-790.
75. Rabosky, D. L., A. L. Talaba, S. C. Donnellan, and I. J. Lovette. 2009. Molecular evidence for hybridization and cryptic species in the Australian fourteen-lined skink, *Ctenotus quattuordecimlineatus* (Scincidae : Squamata). *Molecular Phylogenetics and Evolution* 53, 368-377.
74. Vallender, R., S. L. Van Wilgenburg, L. P. Bulluck, A. Roth, R. Canterbury, J. Larkin, R. Fowlds, and I. J. Lovette. 2009. Extensive rangewide mitochondrial introgression indicates substantial cryptic hybridization in the Golden-winged Warbler (*Vermivora chrysoptera*). *Avian Conservation and Ecology* 4.
73. Stenzler, L. M., C. A. Makarewich, A. Coulon, D. R. Ardia, I.J. Lovette, and D. W. Winkler. 2009. Subtle edge-of-range genetic structuring in transcontinentally distributed North American Tree Swallows. *Condor* 111, 470-478.
72. Chesser, R. T., R. C. Banks, F. K. Barker, C. Cicero, J. L. Dunn, A. W. Kratter, I. J. Lovette, P. C. Rasmussen, J. V. Remsen, J. D. Rising, D. F. Stotz, and K. Winker. 2009. Fiftieth supplement to the American Ornithologists' Union Check-List of North American Birds. *Auk* 126, 705-714.
71. Botero, C. A., N. J. Boogert, S. L. Vehrencamp, and I. J. Lovette. 2009. Climatic patterns predict the elaboration of song displays in songbirds. *Current Biology* 9, 1151-1155.
70. Botero, C. A., R. J. Rossman, L. M. Caro, L. Stenzler, I. J. Lovette, S. R. de Kort, and S. L. Vehrencamp. 2009. Syllable type consistency is related to age, social status, and reproductive success in the tropical mockingbird. *Animal Behaviour* 77, 701-706.
69. Makarewich, C. A., L. M. Stenzler, V. Ferretti, D. W. Winkler, and I. J. Lovette. 2009. Isolation and characterization of microsatellite markers from three species of swallows in the genus *Tachycineta*: *T. albilinea*, *T. bicolor* and *T. leucorrhoa*. *Molecular Ecology Resources* 9, 631-635.
68. Rabosky, D. L., and I. J. Lovette. 2009. Problems detecting density-dependent diversification on phylogenies: Reply to Bokma. *Proceedings Of The Royal Society B* 278, 995-997.

67. Rubin B. E., C. A. Makarewich, A. L. Talaba, L. Stenzler, S. M. Bogdanowicz, and I. J. Lovette. 2009. Isolation and characterization of microsatellite markers from the acacia-ant *Crematogaster mimosae*. *Molecular Ecology Resources* 9, 1212-1214.
66. Townsend, A. K., A. B. Clark, K. J. McGowan, and I. J. Lovette. 2009. Disease-mediated inbreeding depression in a large, open population of cooperative crows. *Proceedings Of The Royal Society B* 276, 2057-2064.
65. Vallender, R., J-P. Gagnon, and I. J. Lovette. 2009. An intergeneric wood-warbler hybrid (*Mniotilta varia* x *Dendroica coronata*) and the use of multilocus DNA analyses to diagnose avian hybrid origins. *Wilson Journal of Ornithology* 121, 298-305.
64. Townsend, A. K., A. B. Clark, K. J. McGowan, and I. J. Lovette. 2009. Reproductive partitioning and the assumptions of reproductive skew models in the cooperatively breeding American Crow. *Animal Behaviour* 77, 503-512.
63. Lovette, I. J. 2008. Convergent evolution: Raising a family from the dead. *Current Biology* 18, 1132-1134.
62. Moore, R. P., W. D. Robinson, I. J. Lovette, and T. R. Robinson. 2008. Experimental evidence for extreme dispersal limitation in tropical forest birds. *Ecology Letters* 11, 960-968.
61. Banks, R. C., R. T. Chesser, C. Cicero, J. L. Dunn, A. W. Kratter, I. J. Lovette, P. C. Rasmussen, J. V. Remsen, Jr., J. D. Rising, and D. F. Stotz. 2008. Forty-ninth supplement to the American Ornithologists' Union Check-list of North American Birds. *Auk* 125, 756-766.
60. Rabosky, D. L., and I. J. Lovette. 2008. Density-dependent diversification in North American wood-warblers. *Proceedings of the Royal Society of London B-Biological Sciences* 275, 2363-2371.
59. Barnett, J. R., A. Coulon, V. Ruiz-Gutierrez, and I. J. Lovette. 2008. Homogeneous genetic structuring and microsatellite allele diversities across White-ruffed Manakin (*Corapipo altera*) populations in a highly fragmented Costa Rica landscape. *Conservation Genetics* 9, 1403-1412.
58. Rabosky, D. L., and I. J. Lovette. 2008. Explosive evolutionary radiations: Decreasing speciation or increasing extinction through time? *Evolution* 62, 1866-1875.
57. Cramer, E. R. A., L. Stenzler, A. L. Talaba, C. A. Makarewich, S. L. Vehrencamp, and I. J. Lovette. 2008. Isolation and characterization of SNP variation at 90 anonymous loci in the Banded Wren (*Thryothorus pleurostictus*). *Conservation Genetics* 9, 1657-1660.
56. Mahler, B., V. Confalonieri, I. J. Lovette, and J. Reboreda. 2008. Eggshell spotting in brood parasitic Shiny Cowbirds (*Molothrus bonariensis*) is not linked to the female sex chromosome. *Behavioral Ecology and Sociobiology* 62, 1193-1199.
55. Coulon, A., J. W. Fitzpatrick, R. Bowman, B. M. Stith, C. A. Makarewich, L. Stenzler, and I. J. Lovette. 2008. Congruent population structure inferred from dispersal behaviour and

intensive genetic surveys of the threatened Florida Scrub-Jay (*Aphelocoma coerulescens*). *Molecular Ecology* 17, 1685-1701.

54. Lovette, I. J., McCleery, B. V., and D. R. Rubenstein. 2008. A complete species-level molecular phylogeny for the "Eurasian" starlings (Sturnidae: *Sturnus*, *Acridotheres*, and allies): Recent diversification in a highly social and dispersive avian group. *Molecular Phylogenetics and Evolution* 47, 251-260.
53. Banks, R. C., R. T. Chesser, C. Cicero, J. L. Dunn, A. W. Kratter, I. J. Lovette, P. C. Rasmussen, J. V. Remsen, Jr., J. D. Rising, and D. F. Stotz. 2007. Fourty-eighth supplement to the American Ornithologists' Union Check-List of North American Birds. *Auk* 124, 1109-1115.
52. Farnsworth, A., and I. J. Lovette. 2008. Phylogenetic and ecological effects on interspecific variation in structurally simple avian vocalization. *Biological Journal of the Linnean Society* 94, 155-173.
51. Hawley, D. M., J. Briggs, A. A. Dhondt, and I. J. Lovette. 2008. Reconciling molecular signatures across markers: Mitochondrial DNA confirms founder effect in invasive North American House Finches (*Carpodacus mexicanus*). *Conservation Genetics* 9, 637-643.
50. Barnett, J. R., L. M. Stenzler, V. Ruiz-Gutierrez, S. B. Bogdanowicz, and I. J. Lovette. 2008. Isolation and characterization of microsatellite markers from the White-ruffed Manakin, *Corapipo altera* (Aves, *Pipridae*). *Molecular Ecology Resources* 8, 215-218.
49. Barnett J. R., S. Woltmann, L. M. Stenzler, S. B. Bogdanowicz, and I. J. Lovette. 2007. Isolation and characterization of microsatellite markers from the Chestnut-backed Antbird (*Myrmeciza exsul*). *Molecular Ecology Notes* 7, 1070-1072.
48. Rabosky, D. L., S. C. Donnellan, A. L. Talaba, and I. J. Lovette. 2007. Exceptional among-lineage variation in diversification rates during the radiation of Australia's most diverse vertebrate clade. *Proceedings Of The Royal Society B-Biological Sciences* 274, 2915-2923.
47. Townsend A. K., C. R. Rimmer, S. C. Latta, and I. J. Lovette 2007. Ancient differentiation in the single-island avian radiation of endemic Hispaniolan Chat-Tanagers (Aves: *Calyptophilus*). *Molecular Ecology* 17, 3634-3642.
46. Brar, R. K., L. A. Schoenle, L. M. Stenzler, M. L. Hall, S. L. Vehrencamp, and I. J. Lovette. 2007. Eleven microsatellite loci isolated from the Banded Wren (*Thryothorus pleurostictus*). *Molecular Ecology Notes* 7, 69-71.
45. Lovette, I. J., and D. R. Rubenstein. 2007. A comprehensive molecular phylogeny of the starlings (Aves: Sturnidae) and mockingbirds (Aves: Mimidae): Congruent mtDNA and nuclear trees for a cosmopolitan avian radiation. *Molecular Phylogenetics and Evolution* 44, 1031-1056.
44. Mahler, B., V. A. Confalonieri, I. J. Lovette, and J. C. Reboresda. 2007. Partial host fidelity in nest selection by the Shiny Cowbird (*Molothrus bonariensis*), a highly generalist avian brood parasite. *Journal of Evolutionary Biology* 20, 1918-1923.

43. Neuman, C. R., R. J. Safran, and I. J. Lovette. 2007. Male tail streamer length does not predict within-pair paternity or other measures of reproductive success in North American Barn Swallows *Hirundo rustica erythrogaster*. *Journal of Avian Biology* 38, 28-36.
42. Rubenstein, D. R. and I. J. Lovette. 2007. Temporal environmental unpredictability drives the evolution of cooperative breeding in birds. *Current Biology* 17, 1414-1419.
41. Schoenle, L. A., A. K. Townsend, and I. J. Lovette. 2007. Isolation and characterization of microsatellite loci in a cooperatively breeding corvid, the American Crow (*Corvus brachyrhynchos*). *Molecular Ecology Notes* 7, 46-48.
40. Vallender, R., R. J. Robertson, V. L. Friesen, and I. J. Lovette. 2007. Complex hybridization dynamics between Golden-winged and Blue-winged Warblers (*Vermivora chrysoptera* and *V. pinus*) revealed by AFLP, microsatellite, intron and mtDNA markers. *Molecular Ecology* 16, 2017-2029.
39. Carter, G. G., C. E. Coen, L. M Stenzler, and I. J. Lovette. 2006. Avian host DNA isolated and analyzed from the feces of white-winged vampire bats (*Diaemus youngi*). *Acta Chiropterologica* 8, 255-258.
38. Dingle, C., I. J. Lovette, C. Canaday, and T. B. Smith. 2006. Elevational speciation and the phylogenetic relationships of the *Henicorhina* wood-wrens. *Auk* 123, 119-134.
37. Harvey, M. G., D. N. Bonter, L. M. Stenzler, and I. J. Lovette. 2006. A controlled comparison of plucked feathers versus blood samples as DNA sources for molecular sexing. *Journal of Field Ornithology* 77, 136-140.
36. Hawley, D. M., D. Hanley, A. A. Dhondt, and I. J. Lovette. 2006. Molecular evidence for a founder effect in invasive House Finch (*Carpodacus mexicanus*) populations experiencing an emergent disease epidemic. *Molecular Ecology* 15, 263-275.
35. Kimura, M., A. A. Dhondt, and I. J. Lovette. 2006. Phylogeographic structuring of *Plasmodium* lineages across the North American range of the House Finch (*Carpodacus mexicanus*). *Journal of Parasitology* 92, 1043-1049.
34. Lovette, I. J., and W. M. Hochachka. 2006. Continent-wide surveys demonstrate simultaneous effects of phylogenetic niche conservatism and competition on avian community structure. *Ecology* 87, S14-S28.
33. Lovette, I. J., D. R. Rubenstein, and W. N. deritu Watetu. 2006. Fledgling provisioning by the brood-parasitic cuckoos *Chrysococcyx klaas* and *C. caprius*. *Wilson Journal of Ornithology* 118, 99-101.
32. Dabrowski, A., R. Fraser, J. L. Confer, and I. J. Lovette. 2005. Geographic variability in mitochondrial introgression among hybridizing populations of Golden-winged and Blue-winged Warblers. *Conservation Genetics* 6, 843-853.
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21. Sweeny, R. J., I. J. Lovette, and E. L. Harvey. 2004. Evolutionary variation in the feather waxes of passerine birds. *Auk* 121, 435-445.
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1. Lovette, I. J., and R. T. Holmes. 1995. Foraging behavior of American Redstarts in breeding and wintering habitats: Implications for relative food availability. *Condor* 97, 782-791.

RECENT INVITED SEMINARS

- 2012 Plenary Speaker, North American Ornithological Conference, Vancouver
- 2012 Departmental Seminar, Queen's University, Kingston, Ontario
- 2011 Departmental Seminar, Villanova University, Pennsylvania
- 2011 Departmental Seminar, University of Bern, Switzerland

PROFESSIONAL SERVICE

ACTIVITIES EXTERNAL TO CORNELL UNIVERSITY

American Ornithologists' Union

- Elected member of AOU Council, 2012-2015
- Chair, Publications Committee, 2012-present
- Chair, *Auk* Editor Search Committee, 2013
- Member, Committee on Classification and Nomenclature, 2006-present

Proceedings of the Royal Society of London, B

- Associate Editor, 2009-2015 (approximately 25 papers/year)

Molecular Phylogenetics and Evolution

- Associate Editor, 2009-2014 (approximately 20 papers/year)

National Science Foundation

- Panelist in 2004, 2006, 2007, 2008, 2012, 2013a, 2013b
- Ad hoc proposal review (generally 3-5 proposals/year)

National Geographic Society and Earthwatch Foundation

- Regular grant proposal reviewer for these societies (12 proposals in the past 5 years)

Reviewer for journals and book publishers

- Ad hoc reviewer for approximately 20 papers/year for various outlets, including *Nature*, *PNAS*, *Current Biology*, and many topical journals.
- Systematic and taxonomic reviewer for *Howard and Moore Checklist of Birds*, 4th edition (2-volume book, published 2013).

Sigma Xi Scientific Honor Society – Cornell Chapter

- Grants coordinator, 2004-2011. Approx. 10-15 graduate student projects funded per year.

Garden Club of America

- Coordinator of the Peacock Award for graduate research in Ornithology, 2009-present. National competition managed by the Lab on behalf of the GCA. 2-3 awards/year.

Mpala Research Centre, Kenya

- Directorship search committee, 2007

CORNELL-WIDE PROFESSIONAL SERVICE ACTIVITIES

University Committees

- International Travel Policy committee
- Paleontological Research Institute Relations committee

- Core Genomics Facility committee
- Sexual Assault Incident Review Panel, 2013-present.

National Geographic Young Explorers Workshop

- Local host and organizer for day-long, high-profile event for 150+ regional undergraduate and graduate students. October 2012.

Co-organizer and Lab of Ornithology host of University-wide, day-long Symposia

- “Tree Thinking: Phylogenetics and Its Applications” May 2009 (with Bryan Danforth, Entomology)
- Center for Comparative and Population Genomics retreat, May 2010 (with Chip Aquadro, MBG, and others)
- “Speciation Day” May 2012 (with Jeremy Searle, EEB)
- “Evo-Day: Novel Traits and Rapid Evolution” May 2012 (with Jeremy Searle, EEB)

Center for Comparative and Population Genomics (3CPG)

Center for Vertebrate Genomics

- Active member of both groups

PROFESSIONAL SERVICE ACTIVITIES WITHIN THE DEPARTMENT OF ECOLOGY AND EVOLUTIONARY BIOLOGY

Director of Graduate Studies for the Field of Ecology and Evolutionary Biology

- Responsible for recruitment and numerous other aspects of graduate student life, 2006-2009

Various Departmental Committees, including:

- Admissions committee, 9 years
- Curriculum committee (ongoing)

Cornell Museum of Vertebrates

- Manage Genetic Resources collection
- Host frequent tours and class visits
- Extensive involvement in HR and supervisory issues

PROFESSIONAL SERVICE ACTIVITIES WITHIN THE CORNELL LAB OF ORNITHOLOGY

Senior Management Team, 2008-present

- Scientist/Faculty representative on five-person Senior Management Council that meets weekly to support/advise the Lab Director on sensitive Lab-wide issues

Directors Council, 2001-present

- Member of twenty-person Program Directors council that meets weekly to discuss Lab-wide topics, challenges, and opportunities

Academic Affairs (2008-present)

- Oversight of all Lab of Ornithology engagement with undergraduates, graduate students, and postdocs

- Creation and management of Lab-wide competitive postdoctoral competition and program, 2013-present
- Responsible for creating and implementing consistent and transparent metrics and procedures for promotions for the Lab's non-faculty academic staff, 2012-2013.
- Oversight and coordination of promotion dossiers and process for all non-faculty academic staff (e.g., Research and Senior Research/Extension Associates, etc.).
- Share in oversight and approvals of staff eligibility for grant PIship (ongoing)
- Liaison with Cornell's Office of Risk Management, particularly for student-related matters.
- Oversee and approve all Lab Associate and Lab Visiting Fellow appointments (about 30 annually).
- Active space management of Lab offices designated for postdocs and graduate students.
- Many other one-time management topics/issues on an ongoing basis.

Various Lab Committees

- Most recently including the Space Allocation committee, Business committee, and others

Search Committees as chair or member

- Conservation Science Director/Professorship, 2011. Co-chair with Bernd Blossey (DNR).
- Senior Director of Operations, 2010. Committee member.
- Education Director search, 2008. Chair.
- Macaulay Library Director/Professorship, 2008. Co-chair with Andy Bass (NBB).
- Citizen Science Director/Professorship, 2004. Committee member.

Annual Reports and Reviews

- Responsible in some years for drafting the Lab's annual report to the College of Agriculture and Life Sciences.
- Managed external academic review of the Lab of Ornithology, 2008.

Publications and Presentations

- Technical reviewer for Lab publications *Birdscope* and *Living Bird* (2003-2012).
- Author of many popular articles for *Birdscope* and *Living Bird*.
- Speaker at the Lab's Monday Night Seminar series for the public (about once annually).
- Lead Editor of the forthcoming new and highly revised edition of the Lab's *Handbook of Bird Biology* textbook, to be published by Wiley-Blackwell in 2014.

Development

- Actively participate in two Lab Administrative Board meetings/year (2-day meetings with substantial preparatory time investment).
- Biannual coordination of major day-long event showcasing student achievements for the Lab Board and campus representatives.
- Visit (and/or host visits by) Lab donors, particularly major benefactors of student activities and fellowships.
- Organize and lead donor/alumni trips, most recently to Galapagos (2010, 2013) and Tanzania (2013, with Cornell Adult University), and maintain subsequent relationships with potential supporters.
- Oversee and promote Redheads (student birding team with annual pledges of more than \$20K/year).

RESEARCH FUNDING

Host Specificity and the Transfer of Avian Malaria Among Domestic, Commensal, and Wild Bird Populations, PI, 2001-2006
USDA-Hatch Program; \$22,000

Unifying Models of Gene Flow at Multiple Scales in a Well-Studied Vertebrate, co-PI, 2003-2007
National Science Foundation; \$539,981

Historical Inference in the Emberizinae (Aves: Passeriformes) using a complete species-level phylogeny, PI, 2003-2006
National Science Foundation; \$70,145

Generation of Tropical Diversity by Dispersal Constraints and Restricted Gene Flow, PI, 2004
National Science Foundation (SGER); \$10,884

Systematics and Evolutionary Ecology of New and Old World Sister Radiations (Aves: Mimidae and Sturnidae), PI, 2005-2009
National Science Foundation; \$145,816

Community dynamics of an emergent pathogen: intrinsic versus extrinsic mechanisms, co-PI, 2006-2011
National Science Foundation; \$2,499,980

Completing the Re-housing of the Cornell University Museum of Vertebrates Bird and Mammal Collections, co-PI, 2006-2008
National Science Foundation; \$22,658

Dissertation Research (Mari Kimura): A paradigm shift for avian malaria: a parasite of mosquitoes that relies on birds for transmission 2006-2008
National Science Foundation; \$12,000

U.S.-Australia Dissertation Enhancement (Dan Rabosky): Adaptive and Non-Adaptive Radiation in Australian Desert Lizards 2006-2008
National Science Foundation; \$18,998

Golondrinas de las Americas: Integrated Pan-American Research and Training in Organisms and Environments, co-PI, 2007-2012
National Science Foundation; \$2,500,000

Managing abandoned agriculture land to maximize and protect avian biodiversity in New York State, PI, 2007-2010
USDA-Hatch Program, \$75,000

Golden-winged Warbler Conservation Initiative, co-PI, 2007-2009
National Fish and Wildlife Foundation; \$474,460

Testing the ecological drivers and phylogenetic components of diversification in a major continental vertebrate radiation, PI, 2008-2011
National Science Foundation; \$404,500

Cyber-enhanced Student Investigations in Biology and Ornithology, co-PI, 2009-2011
National Science Foundation, \$499,000

Using DNA from shed feathers to establish critical demographic data and population structure for endangered Asian vultures, PI, 2013, Eppley Foundation for Research, \$20,000

TEACHING

Year	Course	Semester (role)*	Enrollment	credits
2014				
	BioEE1640 Freshman Seminar	Spring (faculty advisor)	18	3
	BioEE1780 Evolution/Galapagos	Spring (leader)	12	5
	WRIT1430 FWS/Galapagos	Spring (faculty advisor)	12	3
	BioEE1780 Evolution	Spring (modules)	170	4
	BioEE1640 Freshman Seminar	Fall (faculty advisor)	18	3
2013				
	BioEE1780 Evolution/Galapagos	Spring (leader)	12	5
	WRIT1430 FWS/Galapagos	Spring (faculty advisor)	12	3
	BioEE1640 Freshman Seminar	Spring (faculty advisor)	18	3
	BioEE265 Kenya Field Course	Winter (leader)	23	4
	BioEE1780 Evolution	Fall (leader)	367	4
	BioEE4980 Study Groups	Fall (solo)	15	2
	BioEE7800 Ornithology Seminar	Fall (solo)	25	1
	BioEE7600 Avian Systematics	Fall (solo)	13	2
	BioEE1640 Freshman Seminar	Fall (faculty advisor)	18	3
	BioEE1650 Freshman Seminar	Fall (faculty advisor)	18	3
2012				
	BioEE1780 Evolution	Fall (modules)	368	4
	BioEE1250 Freshman Course	Fall (advisory leader)	11	1
	BioEE7800 Ornithology Seminar	Fall (leader)	22	1
	BioEE1640 Freshman Seminar	Fall (faculty advisor)	18	3
	BioEE2650 Kenya Field Course	Winter (leader)	27	4
	BioEE1780 Evolution/Galapagos	Summer (leader)	12	4
2011				
	BioEE265 Kenya Field Course	Winter (leader)	23	4
	BioEE1780 Evolution	Fall (leader)	328	4
	BioEE4980 Study Groups	Fall (solo)	18	2
2010				
	BioEE265 Kenya Field Course	Winter (leader)	25	4
	BioEE7800 Ornithology Seminar	Spring (leader)	14	1
	BioEE7600 Grad Seminar	Spring (advisory leader)	5	1
	BioEE780 Ornithology Seminar	Fall (co-leader)	13	1

2009

BioEE265 Kenya Field Course	Winter (leader)	25	4
BioEE2780 Evolution	Spring (modules)	251	3
BioEE780 Ornithology Seminar	Spring (leader)	17	1
BioEE2780 Evolution	Fall (leader)	272	4
BioEE1250 Freshman course	Fall (advisory leader)	5	1
BioEE4980 Study Groups	Fall (solo)	12	2
BioEE780 Ornithology Seminar	Fall (leader)	15	1

2008

BioEE780 Ornithology Seminar	Spring (leader)	24	1
BioEE265 Kenya Field Course	Summer (leader)	11	4
BioEE278 Evolution	Fall (leader)	241	3
BioEE780 Ornithology Seminar	Fall (leader)	16	1

2007

BioEE265 Kenya Field Course	Winter (leader)	18	4
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2006

BioEE265 Kenya Field Course	Winter (leader)	18	4
BioEE278 Evolution	Fall (solo)	262	3
BioEE759 Grad. Seminar	Fall (co-instructor)	12	2

2005

BioEE265 Kenya Field Course	Summer (leader)	16	4
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2004

BioEE759 Grad. Seminar	Spring (solo)	5	2
BioEE278 Evolution	Fall (solo)	217	3

2002

BioEE278 Evolution	Fall (solo)	196	3
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*** Key to teaching role notations:**

Solo — responsible for all teaching and course organization.

Leader — responsible for course organization and extensive teaching, with other faculty also involved in teaching (BioEE1780) or seminar participation (BioEE7800).

Advisory leader — largely taught by a Lab of Ornithology staff member, with me as the faculty sponsor for procedural reasons. I merit little teaching credit in these cases.

Modules — Lecturer for several thematic modules (usually 3-6 lectures) in a semester when BioEE1780 was led by another faculty member.

Faculty advisor — Faculty sponsor and active supervisor of a graduate student-led freshman writing seminar.