REBECCA T. KIMBALL

Department of Biology
University of Florida
P.O. Box 118525
Gainesville, FL 32611

(352) 846-3737
rkimball@ufl.edu

EDUCATION

Ph.D. (Biology). "Sexual selection in House Sparrows, *Passer domesticus*." (J. D. Ligon, advisor). University of New Mexico, Albuquerque, New Mexico, 1995.

B.A. (Biology). Dartmouth College, Hanover, New Hampshire, 1985.

Including participation in Tropical Ecology program.

Naturalist-Ecologist Training Program. University of Michigan, 1986.

RESEARCH INTERESTS

I am an evolutionary biologist, and my research incorporates molecular techniques and field research to examine evolutionary patterns and processes. There are three main foci in my research program: 1) phylogenetics and the use of phylogenies for comparative studies; 2) microevolutionary processes like the evolution of mating systems and sexual selection; and 3) linking changes in the genome with changes at the organismal level in an explicit evolutionary framework to elucidate the proximate and ultimate causes of these changes.

PROFESSIONAL POSITIONS

Professor. University of Florida, Department of Biology. 2014-present.
Additional appointments: School of Natural Resources and the Environment (Univ. Florida), Genetics Institute (Univ. of Florida), Smell and Taste Center (Univ. of Florida), Florida Museum of Natural History

Associate Professor. University of Florida, Department of Zoology/Biology. 2006 – present.

Assistant Professor. University of Florida, Department of Zoology. 2003 – 2006.

Assistant Scientist. University of Florida, Department of Zoology. 2001 - 2003.

Postdoctoral Researcher (Competitive Teaching postdoctoral position). Ohio State University, Department of Evolution, Ecology, and Organismal Biology. 2000-2001. Taught Introduction to Human Physiology. Conducted research on the molecular systematics of the Asteraceae with Dr. D. J. Crawford.

Visiting Scientist. Ohio State University, Department of Evolution, Ecology, and Organismal Biology. 1998-2000. Conducted postdoctoral research with Dr. D. J. Crawford. Was supported on an NSF grant on the Phylogeny of the Lemnaceae.

Research Assistant Professor. University of New Mexico, Department of Biology. 1995-1998. Conducted research with Dr. J. D. Ligon on the phylogeny of galliform birds using molecular techniques; focused on the evolution of ornamental traits among pheasants.

Contractor. Army Corps of Engineers, Albuquerque District, New Mexico. 1994, 1995. Surveyed for the endangered Southwestern Willow Flycatcher.

PUBLICATIONS

Co-author an: [U] = undergraduate; [G] = graduate; [P] = postdoc mentored by Kimball.

70. Sun, K., K.A. Meicklejohn[P], B. Faircloth, T. Glenn, E.L. Braun, and **R.T. Kimball**. The evolution of peafowl and other taxa with ocelli (eyespots): A phylogenomic approach. In press. Proceedings of the Royal Society of London, B.
69. Crawford, D.J., M. Tadesse, **R.T. Kimball**, M.E. Mort, P. Carrillo-Reyes and I. Sanchez-Vega. *Coreopsis* section *Pseudoagarista* (Asteraceae: Coreopsideae): Molecular phylogeny, chromosome numbers, and comments on taxonomy and distribution. In press. Taxon.
68. Meicklejohn, K.A.[P], M.J. Danielson[U], E.L. Braun, B.C. Faircloth, T. C. Glenn, and **R.T. Kimball**. 2014. Incongruence among different mitochondrial regions: A case study using complete mitogenomes. Molecular Phylogenetics and Evolution 78: 314-323.
67. **Kimball, R.T.** and E.L. Braun. 2014. Does more sequence data improve estimates of galliform phylogeny? Analyses of a rapid radiation using a complete data matrix. PeerJ 2:e361.
66. **Kimball, R.T.**, N. Wang[G], C.N. Ferguson[U], V. Heimer-McGinn[U], and E.L. Braun. 2013. Identifying localized biases in large datasets: A case study using the Avian Tree of Life. Molecular Phylogenetics and Evolution 69: 1021-1032.
65. Patel, S.[G], **R.T. Kimball**, E.L. Braun. 2013. Error in phylogenetic estimation for bushes in the Tree of Life. Journal of Phylogenetics and Evolutionary Biology 1:110.
64. Sun, K., L. Luo, **R.T. Kimball,** X. Wei, L. Jin, T. Jiang, G. Li and J. Feng. 2013. Geographic variation in the acoustic traits of greater horseshoe bats: testing the importance of drift and ecological selection in evolutionary processes. PLoS One 8: e70368.
63. Wang, N[G]., **R.T. Kimball**, E.L. Braun, B. Liang, Z. Zhang. 2013. Assessing phylogenetic relationships among Galliformes: a multigene phylogeny with expanded taxon sampling in Phasianidae. PLOS One 8: e64312.
62. Yuri, T[P]., **R.T. Kimball**, J. Harshman, R.C.K. Bowie, M.J. Braun, J.L. Chojnowski[G], K-L Han[G], Hackett, S.J., C.J. Huddleston, W.S. Moore, S. Reddy, F.H. Sheldon, D.W. Steadman, C.C. Witt, and E.L. Braun. 2013. Parsimony and model-based analyses of indels in avian nuclear genes reveal congruent and incongruent phylogenetic signals. Biology 2: 419-444.
61. Smith, J.V.[G], E.L. Braun and **R.T. Kimball**. 2013. Ratite non-monophyly: Independent evidence from 40 novel loci. Systematic Biology 62: 45-49.
60. Wang, N.[G] and **R.T Kimball**. 2012. Nestmate killing by obligate brood parasitic chicks: Is this linked to obligate siblicidal behavior? Journal of Ornithology 153: 825-831.
59. Wang, N.[G], E.L. Braun, and **R.T. Kimball**. 2012. Testing hypotheses about the sister group of the Passeriformes using an independent 30 locus dataset. Molecular Biology and Evolution 29: 737-750.
58. Braun, E.L., **R.T. Kimball**, K-L Han[G], N.R. Iuhasz-Velez, A.J. Bonilla[U], J.L. Chojnowski[G], J.V. Smith[G], R.C.K. Bowie, M.J. Braun, Hackett, S.J., J. Harshman, C.J. Huddleston, B.D. Marks, K.J. Miglia, W.S. Moore, S. Reddy, F.H. Sheldon, D.W. Steadman, C.C. Witt and T. Yuri[P]. 2011. Homoplastic microinversions and the avian tree of life. BMC Evolution 11: 141.
57. **Kimball, R.T.,** C.M. St. Mary, and E.L. Braun. 2011. A Macroevolutionary Perspective on Multiple Sexual Traits in the Phasianidae (Galliformes). International Journal of Evolutionary Biology. Article ID: 423938, doi:10.4061/2011/423938

56. Han, K-L [G], E.L. Braun, **R.T. Kimball**, S. Reddy, R.C.K. Bowie, M. J. Braun, J.L. Chojnowski [G], S.J. Hackett, J. Harshman, C.J. Huddleston, B.D. Marks, K.J. Miglia, W.S. Moore, F.H. Sheldon, D.W. Steadman, C.C. Witt and T. Yuri [P]. 2011. Are transposable element insertions homoplasy free? An examination of the avian tree of life. Systematic Biology 60: 375-386.
55. Haas, S.E. [G], J.A. Cox, J.V. Smith [G], and **R.T. Kimball.** 2010. Fine-scale spatial genetic structure in the cooperatively breeding brown-headed nuthatch (*Sitta pusilla*). Southeastern Naturalist. Southeastern Naturalist 9: 743-756.
54. Lomáscolo, S., D. Levey, **R.T. Kimball**, and B. Bolker. 2010. Dispersers shape fruit diversity in the genus *Ficus* (Moraceae). Proceedings of the National Academy of Sciences 107: 14668-14672.
53. Bonilla, A.J. [U], E.L. Braun, and **R.T. Kimball**. 2010. Comparative molecular evolution and phylogenetic utility of 3'-UTRs and introns in Galliformes. Molecular Phylogenetics and Evolution 56: 536-542.
52. Whiteman, N.K., S.V. Dosanjh, R. Palma, J. Hull, **R.T. Kimball**, P. Sanchez, J.H. Sarasola, P.G. Parker. 2009. Molecular and morphological divergence in a pair of bird species and their ectoparasites. Journal of Parasitology 95: 1372–1382.
51. **Kimball, R. T.,** E. L. Braun, R.C.K. Bowie, M.J. Braun, J.L. Chojnowski [G], S.J. Hackett, K-L Han [G], J. Harshman, V. Heimer-Torres [U], C.J. Huddleston, B.D. Marks, K.J. Miglia, W.S. Moore, S. Reddy, F.H. Sheldon, J.V. Smith [U], C.C. Witt, and T. Yuri [P]. 2009. A well-tested set of primers to amplify regions across the avian genome. Molecular Phylogenetics and Evolution 50: 654-660.
50. Krakauer, A. and **R.T. Kimball**. 2009. Interspecific brood parasitism in galliform birds. Ibis 151 373-381.
49. Haas, S.E. [G], J.V. Smith [G], **R.T. Kimball**, and A.M. Clark. 2009. Isolation and characterization of polymorphic microsatellite markers for the brown-headed nuthatch (*Sitta pusilla*). Conservation Genetics 10: 1393-1395.
48. Haas, S.E. [G] , **R.T. Kimball**, J. Martin, and W. Kitchens. 2009. Genetic divergence among snail kite subspecies: implications for the conservation of the endangered Florida snail kite (*Rostrhamus sociabilis*). Ibis 151: 181-185.
47. Crawford, D.J., M. Tadesse, M.E. Mort, **R.T. Kimball**, and C.P. Randle. 2009. Coreopsideae. Pp. 713-730 *in* Systematics, Evolution, and Biogeography of Compositae. Funk, V.A., A. Susanna, T.F. Stuessy, and R.J. Bayer, eds. International Association of Plant Taxonomy (Sheridan Press, Ann Arbor).
46. Funk, V.A., A.A. Anderberg, B.G. Baldwin, R.J. Bayer, M. Bonifacino, I. Breitwieser, L. Brouillet, R. Carbajal, R. Chan, A.X.P. Coutinho, D.J. Crawford, J.J.V. Crisci, M.O. Dillon, S.E. Freire, M. Galbany-Casals, N. Garcia-Jacas, B. Gemeinholzer, M. Gruenstaeudl, H.W. Lack, H.V. Hansen, S. Himmelreich, J.W. Kadereit, M. Källersjö, V. Karaman-Castro, P.O. Karis, L. Katinas, S. Keeley, N. Kilian, **R.T. Kimball**, T.K. Lowrey, J. Lundberg, R.J. McKenzie, M.E. Mort, B. Nordenstam, C. Oberprieler, S. Ortiz, J.L. Panero, P.B. Pelser, C.P. Randle, H. Robinson, N. Roque, G. Sancho, E. Schilling, J.C. Semple, M. Serrano, R. Smissen, T.F. Stuessy, A. Susanna, M. Tadesse, M. Unwin, L. Urbatsch, E. Urtubey, J. Vallès, R. Vogt, S. Wagstaff, J. Ward, and L.E. Watson. 2009. Compositae Meta-supertree: The Next Generation. Pp. 747-777 *in* Systematics, Evolution, and Biogeography of Compositae. V.A. Funk, A. Susanna, T.F. Stuessy, and R. J. Bayer, eds. Vienna: International Association of Plant Taxonomy.

(Printed by Sheridan Press, Ann Arbor).

45. Hackett, S.J., **R.T. Kimball**, S. Reddy, R. Bowie, E.L. Braun, M.J. Braun, J.L. Chojnowski [G], W.A. Cox [U] K-L Han, J. Harshman, C.J. Huddleston, B. Marks, K.J. Miglia, W.S. Moore, F.H. Sheldon, D.W. Steadman,and C.C .Witt and T. Yuri. 2008. A phylogenomic study of birds reveals their evolutionary history. Science 320: 1763-1768.

    First three authors contributed equally; **Kimball** was corresponding author.
    Science podcast on article by **Kimball**; featured in News Focus (Pennisi 2008)
    Covered my many news outlets (e.g., MSNBC, FoxNews, Scientific American, National Geographic, Discovery Channel, among many others)

44. **Kimball, R.T**., and E.L. Braun. 2008. A multigene phylogeny of Galliformes supports a single origin of erectile ability in non-feathered facial traits. Journal of Avian Biology 39: 438-445.

43. Harshman, J. E.L. Braun, M.J. Braun, C.J. Huddleston, R.C.K. Bowie, J.L. Chojnowski, S. J. Hackett, K-L. Han, **R.T. Kimball**, B.D. Marks, K.J. Miglia, W.S. Moore, S. Reddy, F.H. Sheldon, S.J. Steppan, C. C. Witt, and T. Yuri. 2008. Phylogenomic evidence for multiple losses of flight in ratite birds. Proceedings of the National Academy of Sciences 105:13462-13467.

    Covered by several news outlets (MSNBC, FoxNews, among others)

42. Hull, J.M., W.K. Savage, J.L. Bollmer, **R.T. Kimball**, P.G. Parker, N.K. Whiteman, H.B. Ernest. 2008. On the origin of the Galápagos hawk: an examination of phenotypic differentiation and mitochondrial paraphyly. Biological Journal of the Linnean Society 95: 779-789.

41. Lomáscolo, S., P. Speranza , and **R.T. Kimball**. 2008. Correlated evolution of fig size and color in *Ficus* (Moraceae) supports the dispersal syndrome hypothesis. Oecologia 156:783-796.

40. Mort, M.E., C.P. Randle, **R.T. Kimball**, M. Tadesse, and D.J. Crawford. 2008. Phylogeny of Coreopsideae (Asteraceae): insights from nuclear and plastid sequences. Taxon. 57: 109-120.

39. Chojnowski, J. [G], **R.T. Kimball**, and E.L. Braun. 2008. Introns outperform exons in analyses of basal avian phylogeny using clathrin heavy chain genes. Gene. 410: 89-96.

38. Yuri, T., **R.T. Kimball,** E.L. Braun and M.J. Braun. 2008. Duplication and accelerated evolution of growth hormone gene in passerine birds. Molecular Biology and Evolution 25:352-361.

37. Whiteman, N.K., **R.T. Kimball**, and P.G. Parker. 2007. Co-phylogeography and comparative population genetics of the threatened Galápagos hawk and three ectoparasite species: ecology shapes population histories within parasite communities. Molecular Ecology 16: 4759-4773.

36. Chojnowski, J.L., J. Franklin, Y. Katsu, T. Iguchi,LJ. Guillette Jr, **R.T. Kimball** and E.L. Braun. 2007. Patterns of vertebrate isochore evolution revealed by comparison of expressed mammalian, avian and crocodilian genes. Journal of Molecular Evolution 65: 259-266.

35. Cox, W.A. [U], **R.T. Kimball**, and E.L. Braun. 2007. Phylogenetic position of the New World quail (Odontophoridae): Eight nuclear loci and three mitochondrial regions contradict morphology and the Sibley-Ahlquist tapestry. Auk 124: 71-84.

34. Gibb, G.C., O. Kardailsky, **R.T. Kimball**, E.L. Braun, and D. Penny. 2007. Mitochondrial genomes and avian phylogeny: Complex characters and resolvability without explosive radiations. Molecular Biology and Evolution 24: 269-280.
33. **Kimball, R.T.**, E.L. Braun, J.D. Ligon, E. Randi, and V. Lucchini. 2006. Using molecular phylogenetics to interpret evolutionary changes in morphology and behavior in the Phasianidae. Acta Zoologica Sinica 52 (supplement): 362-365.
32. Crowe, T.M., P. Bloomer, E. Randi, V. Lucchini, **R. Kimball**, E. Braun, and J.G. Groth. 2006. Supra-generic cladistics of landfowl (Order Galliformes). Acta Zoologica Sinica 52 (supplement): 358-361.
31. Bollmer, J.L., **R.T. Kimball**, N.K. Whiteman, J.H. Sarasola, and P.G. Parker. 2006. Phylogeography of the Galápagos Hawk (*Buteo galapagoensis*): A recent arrival to the Galápagos Islands. Molecular Phylogenetics and Evolution 39: 237-247.
30. **Kimball, R.T.** 2006. Hormonal control of avian coloration. Pp. 431-468 *in* Bird Coloration I: measurements and mechanisms. G. E. Hill and K. McGraw, eds. Harvard Univ. Press.
29. Crawford, D.J., E. Landolt, D.H. Les, and **R.T. Kimball**. 2005. Speciation in duckweeds (Lemnaceae): phylogenetic and ecological inferences. Aliso 22:229-240.
28. Crawford, D.J., E. Landolt, D.H. Les, J.K. Archibald, and **R.T. Kimball**. 2005. Allozyme variation within and divergence between *Lemna gibba* and *L. disperma*: Systematic and biogeographic implications. Aquatic Botany 83: 119-128.
27. **Kimball, R.T.** and D.J. Crawford. 2004. Phylogeny of Coreopsideae (Asteraceae) using ITS sequences suggests lability in reproductive characters. Molecular Phylogenetics and Evolution 33: 127-139.
26. Les, D.H., D.J. Crawford, **R.T. Kimball**, M.L. Moody, and E. Landolt. 2003. Biogeography of discontinuously distributed hydrophytes: A molecular appraisal of intercontinental disjunctions. International Journal of Plant Sciences 164: 917-932.
25. **Kimball, R.T.**, J.C. Bednarz, and P.G. Parker. 2003. Occurrence and evolution of cooperative breeding among diurnal raptors (Accipitridae and Falconidae). Auk 120: 717-729.
24. **Kimball, R.T.**, D.J. Crawford, D.H. Les, and E. Landolt. 2003. Out of Africa: molecular phylogenetics and biogeography of *Wolffiella* (Lemnaceae). Biological Journal of the Linnean Society 79: 565-576.
23. **Kimball, R.T.**, E.D. Smith, and D.J. Crawford. 2003. Molecular phylogeny and evolution of *Coreocarpus* (Asteraceae). Evolution 57: 52-61.
22. Braun, E.L. and **R.T. Kimball**. 2002. Examining basal avian divergences with mitochondrial sequences: Model complexity, taxon sampling and sequence length. Systematic Biology 51: 614-625.
21. Les, D.H., D.J. Crawford, E. Landolt, J.D. Gabel, and **R.T. Kimball**. 2002. Phylogeny and systematics of Lemnaceae Dumortier, the duckweed family. Systematic Botany 27: 221-240.
20. **Kimball, R.T.**, D.J. Crawford, J.R. Page[U] and P. J. Harmon. 2001. Intersimple Sequence Repeat (ISSR) diversity within *Monarda fistulosa* var. *brevis* (Lamiaceae) and divergence between var. *brevis* and var. *fistulosa* in West Virginia. Brittonia 53: 511-518.
19. Crawford, D.J., E. Landolt , D.H. Les, and **R.T. Kimball**. 2001. Allozyme studies in Lemnaceae: variation and relationships in *Lemna* sections *Alatae* and *Biformes*. Taxon 50: 987-999.
18. Crawford, D.J., **R.T. Kimball**, and M. Tadesse. 2001. The generic placement of a

morphologically enigmatic species in Asteraceae: evidence from ITS sequences. Plant Systematics and Evolution 228: 63-69.

17. Armstrong, M.H. [U], E.L. Braun, and **R.T. Kimball**. 2001. Phylogenetic Utility of Avian Ovomucoid Intron G: A Comparison of Nuclear and Mitochondrial Phylogenies in the Galliformes. Auk 118: 799-804.
16. **Kimball, R.T.**, E.L. Braun, J.D. Ligon, E. Randi, and V. Lucchini. 2001. A Molecular phylogeny of the peacock-pheasants (Galliformes: *Polyplectron* spp.) indicates loss and reduction of ornamental traits and display behaviors. Biological Journal of the Linnean Society 73: 187-198.
15. Randi, E., V. Lucchini, A. Hennache, **R.T. Kimball**, E.L. Braun, and J.D. Ligon. 2001. Evolution of the mitochondrial DNA control-region and cytochrome *b* genes, and the inference of phylogenetic relationships in the avian genus *Lophura* (Galliformes). Molecular Phylogenetics and Evolution 19: 187-201.
14. Lowrey, T.K., C.J. Quinn, R.K. Taylor, R. Chan, **R.T. Kimball**, J.C. De Nardi. 2001. Molecular and morphological reassessment of relationships with the *Vittadinia* group of Astereae (Asteraceae). American Journal of Botany 88: 1279-1289.
13. Braun, E.L., and **R.T. Kimball**. 2001. Polytomies, the power of phylogenetic inference, and the stochastic nature of molecular evolution: a reply to Walsh et al. (1999). Evolution 55: 1261-1263.
12. Randi, E., V. Lucchini, T. Armijo-Prewitt [U], **R.T. Kimball**, E.L. Braun, and J.D. Ligon. 2000. Mitochondrial DNA phylogeny and speciation of the tragopans. Auk 117: 1003-1015.
11. **Kimball, R.T.** and J.D. Ligon. 1999. Evolution of avian plumage dichromatism from a proximate perspective. American Naturalist 154: 182-193.
10. **Kimball, R.T.**, E.L. Braun, P. Zwartjes, T.M. Crowe, and J.D. Ligon. 1999. A molecular phylogeny of the pheasants and partridges suggests that these lineages are not monophyletic. Molecular Phylogenetics and Evolution 11: 38-54.
9. Furlow, F.B. [U], **R.T. Kimball**, M.C. Marshall. 1998. Are rooster crows honest signals of fighting ability? Auk 115: 763-766.
8. Ligon, J.D., **R.T. Kimball**, and M. Merola-Zwartjes. 1998. Mate choice in red junglefowl: the issues of multiple ornaments and fluctuating asymmetry. Animal Behaviour: 55: 41-50.
7. **Kimball, R.T.** 1997. Male morphology and nest-site quality in House Sparrows. Wilson Bulletin 109: 711-719.
6. **Kimball, R.T.**, J.D. Ligon, and M. Merola-Zwartjes. 1997. Testicular asymmetry and secondary sexual characters in red junglefowl. Auk 114: 221-228.
5. **Kimball, R.T.**, E.L. Braun, and J.D. Ligon. 1997. Resolution of the phylogenetic position of the Congo peafowl, *Afropavo congensis*: a biogeographic and evolutionary enigma. Proceedings of the Royal Society of London B 264: 1517-1523.
4. **Kimball, R.T.**, J.D. Ligon, and M. Merola-Zwartjes. 1997. Fluctuating asymmetry in red junglefowl. Journal of Evolutionary Biology 10: 441-457.
3. Hagelin, J.C. and **R.T. Kimball**. 1997. A female Gambel's Quail with partial male plumage. Wilson Bulletin 109:544-546.
2. **Kimball, R.T.** 1996. Female choice for male morphological traits in house sparrows, *Passer domesticus*. Ethology 102:639-648.
1. Møller, A.P., **R.T. Kimball**, and J. Erritzøe. 1996. Sexual ornamentation, condition, and immune defense in the house sparrow *Passer domesticus*. Behavioral Ecology and Sociobiology 39: 317-322.

MANUSCRIPTS: Submitted and In Prep

Co-author an: [U] = undergraduate; [G] = graduate; [P] = postdoc mentored by Kimball.

Han, K-L [G], J.A. Cox, and **R.T. Kimball**. Submitted. The secret life of the brown-headed nuthatch: relatedness and parentage in a cooperatively breeding bird. Animal Behaviour.

Wang, N. [G] and **R.T. Kimball.** Did avian cooperative breeding co-evolve with altriciality? In final revision for submission to Ibis.

Meicklejohn, K.A.[P], **R.T. Kimball**, B. Faircloth, T. Glenn, and E.L. Braun. Relative performance of ultraconserved elements (UCEs), introns and mitochondrial sequence data for resolving a recent avian radiation. Written and waiting on comments from collaborators.

Wang, N [G]., E.L. Braun, B. Liang, **R.T. Kimball**, Z. Zhang Estimating the divergence time and biogeogrphical history of the major groups of Galliformes. Manuscript drafted but doing some new analyses before submission.

Sun, K., **R.T. Kimball**, X. Wei, L. Jin, and J. Feng. Mitochondrial DNA signature for cryptic lineages and secondary contacts in *Rhinolophus macrotis* complex from China. Manuscript drafted.

Wildes, C. [U], J. Bates, **R.T. Kimball**. Isolation and characterization of 12 tetranucleotide microsatellites from *Terpsiphone viridis*, and their amplification in other *Terpsiphone* spp. For submission to Conservation Genetics Resources. Manuscript in final revision.

Ferguson, C.N. [U], **Kimball, R.T.** and E.L. Braun. Multiple independent barriers to recombination in avian sex chromosomes. Manuscript drafted.

Green, M.R. [U], Wright, N. [G], and **Kimball, R.T.** Bill length in Charadriiformes correlates with the transcription factor *runx2*. Manuscript drafted.

PRESENTATIONS

Kimball, R., K. Sun, K. Meiklejohn, E. Braun, B. Faircloth, T. Glenn. 2014. Testing Darwin's hypothesis on the evolution of ornamental eyespots in peafowl and their relatives. Evolution 2014, Raleigh NC.

Han, K., G. Spellman, **R.. Kimball**. A bird's eye view of habitat fragmentation: comparing the effects at ecological and evolutionary timescales in two sister species. Evolution 2014, Raleigh NC.

Braun, E., K. Meiklejohn, **R.. Kimball**, B. Faircloth, T. Glenn. Species tree methods and ultraconserved elements (UCEs): a case study in galliform birds. Evolution 2014, Raleigh NC.

Kimball, R.T. 2014. Phylogeny and the evolution of secondary sexual traits in galliform birds. Hainan Normal University, China. **[Invited]**

Kimball, R.T. 2014. Evolution of galliform birds: using new approaches to resolve old problems. Beijing Normal University, China. **[Invited]**

Kimball, R.T. 2014. Phylogeny and the evolution of secondary sexual traits in galliform birds. Beijing Normal University, China. **[Invited]**

Wright, J.E. [G], K. Ukhanov, B.W. Ache, and **R.T. Kimball.** 2013. Olfactory sensory neurons in New World vultures (Cathartidae) demonstrate physiological responsiveness to biologically relevant odorants. Society for Integrative and Comparative Biology, Austin Texas.

Kimball, R.T., and E.L. Braun. 2013. Patterns of diversification in the Phasianidae. AOU-COS Meeting, Chicago, IL. **[Invited]**

Braun, E.L., Burleigh, J.G., and **R.T. Kimball**. 2013. "Big Bird": A large-scale avian phylogeny. AOU-COS Meeting, Chicago, IL.

Kimball, R.T., J.E. Wright, E.L. Braun, and J.G. Burleigh. 2013. Evolution of the olfactory receptor subgenome in New World vultures. Evolution 2013, Snowbird, Utah.

Meiklejohn, K.A., M. Danielson, E.L. Braun, B.C. Faircloth, T. Glenn and **R.T. Kimball**. Conflicting phylogenetic signal among mitochondrial regions: affects of taxon sampling and model choice. Evolution 2013, Snowbird, Utah.

Braun, E.L, K.A. Meiklejohn, **R.T. Kimball**, B.C. Faircloth, T. Glenn. Comparison of the utility of mitochondrial DNA, nuclear introns, and ultraconserved element (UCE) data for the resolution of a recent but difficult radiaion. Evolution 2013, Snowbird, Utah.

Kimball, R.T., J.E. Wright, E.L. Braun, and J.G. Burleigh. 2013. Evolution of the olfactory receptor subgenome in New World vultures. UF/FSU Chemosensory symposium, University of Florida. **[Invited]**

Kimball, R. T. 2013. Phylogeny and the evolution of secondary sexual traits in galliforms. University of Windsor **[Invited]**

Kimball, R. T. 2013. What are the relatives of chickens and turkeys? Using next-gen sequencing to understand the evolution of galliform birds. Genetics Institute, University of Florida **[Invited]**

Kimball, R.T., E.L. Braun, N. Wang. 2012. Independent corroboration of the avian tree of life. North American Ornithological Conference, Vancouver, Canada.

Han, K-L, J. Cox, **R.T. Kimball**. 2012. Does habitat fragmentation affect population genetics of Brown-headed Nuthatches (*Sitta pusilla*)? Evolution 2012 Ottawa, Canada.

Crawford, D., **R.T. Kimball**, M. Tadesse, and M. Mort. 2012. Radiation of *Coreopsis* section *Pseudoagarista* (Asteraceae) in the Andes. Botany 2012, Columbus, OH.

Kimball, R.T., E.L. Braun, and J.G. Burleigh. 2011. Increased numbers of olfactory gene receptors in black and turkey vultures. AOU Meeting, Jacksonville FL.

Wang, N. , E.L. Braun and **R.T. Kimball**. 2011. Testing hypotheses about the sister group of the Passeriformes using an independent 30 locus dataset. AOU Meeting, Jacksonville FL.

Han, K-L, J.A. Cox, and **R.T. Kimball**. 2011. Patterns of relatedness in the cooperatively breeding brown-headed nuthatch. AOU Meeting, Jacksonville FL.

Wildes, C.N. and **R.T. Kimball**. 2011. Hybridization between *Terpsiphone viridis* and *Terpsiphone rufiventer*. AOU Meeting, Jacksonville FL.

Kimball, R.T. 2010. Evolution of secondary sexual traits in Galliformes. Reproductive Biology Seminar Series, University of Florida. **[Invited.]**

Wang, N. , E.L. Braun, and **R.T. Kimball.** 2010. Independent evidence for the parrot-passerine clade. Florida Genetics 2010, Gainesville, FL.

Wildes, C.N. and **R.T. Kimball**. 2010. The possibility of hybridization between *Terpsiphone viridis* and *Terpsiphone rufiventer*. Florida Genetics 2010, Gainesville, FL.

Han, K.-L., R.T. Kimball, E.L. Braun and N. Wang. 2010. The challenges of using transposons in avian phylogenetics. Evolution 2010, Portland OR.

Harshman, J., E.L. Braun, M.J. Braun, R. C.K. Bowie, S.J. Hackett, K.-L. Han, I. Harshman, C.J. Huddleston, **R.T. Kimball**, B.D. Marks, K.J. Miglia, W.S. Moore, S. Reddy, F.H. Sheldon, D.W. Steadman, C. Witt, and T. Yuri. 2010. Eight billion years of shrinkage in avian genomes. Evolution 2010, Portland OR.

Kimball, R.T., C.N. Ferguson, and E.L. Braun. Evolution of barriers to recombination in avian sex chromosomes. Evolution 2010, Portland OR.

Kimball, R.T., C. N. Ferguson, E.L. Braun. 2010. Evolution of barriers to recombination in avian sex chromosomes. CSO/AOU/SCO, San Diego, CA.

Han, K-L., E.L. Braun and **R.T. Kimball**. 2009. A phylogenomic survey of avian transposons. Florida Genetics 2009. Gainesville, FL.

Kimball, R.T. and E.L. Braun. 2009. Next generation sequencing of the rainbow lorikeet reveals hundreds of potential microsatellite loci. AOU, Philadelphia, PA.

Bonilla, A.J. , E.L. Braun, and **R.T. Kimball (presenter)**. 2009. Comparative molecular evolution and phylogenetic utility of 3'-UTRs and introns in Galliformes. Evolution 2009, Moscow, ID.

Braun, E.L., **R.T. Kimball**, K-L Han, N. Iuhasz, A. Bonilla, J.V. Smith, R. Bowie, M. Braun, J.L. Chojnowski, Hackett, S., J. Harshman, C. Huddleston, B. Marks, K. Miglia, W.S. Moore, S. Reddy, F.H. Sheldon, D.W. Steadman, C. Witt and T. Yuri. 2009. Examining the Avian Tree of Life using Microinversions. Evolution 2009, Moscow, ID.

Braun, E.L., **R.T. Kimball**, K-L Han, N. Iuhasz, A. Bonilla, J.L. Chojnowski, J.V. Smith, T. Yuri, R. Bowie, M. Braun, Hackett, S., J. Harshman, C. Huddleston, B. Marks, K. Miglia, W.S. Moore, S. Reddy, F.H. Sheldon, D.W. Steadman, and C. Witt. 2009. Are We Inching Toward Reality? Using introns and other non-coding sequences to understand the avian tree of life. CIPRES, Berkeley, CA.

Harshman, J., Braun, E.L., M. Braun, R.C.K. Bowie, Hackett, S.J., K-L Han, C.J. Huddleston, **R.T. Kimball**, B.D. Marks, K.J. Miglia, W.S. Moore, S. Reddy, F.H. Sheldon, D.W. Steadman, C. Witt and T. Yuri. 2009. Eight billion years of shrinkage in avian introns. CIPRES, Berkeley, CA.

Kimball, R. T. 2009. Rewriting the bird tree of life. Whitney Marine Laboratory. **[Invited. For the general public]**

Kimball, R. T. 2009. Rewriting the bird tree of life. Museum of Natural Sciences, University of Saskatchewan. **[Invited. For the general public]**

Kimball, R. T. 2009. Insights from Avian Phylogenomics. University of Saskatchewan. **[Year of Darwin special seminar; invited]**

Kimball, R. T. 2008. Insights from Avian Phylogenomics. Florida State University. **[Invited]**

Kimball, R. T. 2008. Insights from Avian Phylogenomics. University of Missouri. **[Invited]**

Kimball, R.T. and E.L. Braun. Multi-locus phylogeny of Galliformes: Examining conflict among loci and with other studies. 2008 AOU/COS/SCO Meeting, Portland, OR.

Smith, J.V., E.L. Braun, and **R.T. Kimball**. Testing monophyly of flightless paleognaths using a large-scale molecular dataset. 2008 AOU/COS/SCO Meeting, Portland, OR.

Braun, M.J., Harshman, J. E.L. Braun, C.J. Huddleston, R.C.K. Bowie, J.L. Chojnowski, S. Hackett, K-L. Han, **R.T. Kimball**, B.D. Marks, K.J. Miglia, W.S. Moore, S. Reddy, F.H. Sheldon, S.J. Steppan, C. Witt, and T. Yuri. 2008. Phylogenomic evidence for multiple losses of flight in ratite birds. 2008 AOU/COS/SCO Meeting, Portland, OR.

Kimball, R.T., T. Yuri, E.L. Braun, M.J. Braun, S.J. Hackett, K.-L.Han, J. Harshman, C.J. Huddleston, B.D. Marks, K. J. Miglia, W.S. Moore, S. Reddy, F.H. Sheldon, C.C. Witt. 2008. Who is sister group of the most speciose avian order (Passeriformes)? Analyses of over 20 nuclear loci. Evolution 2008, Minneapolis, MN.

Yuri, T., E.L. Braun, **R.T. Kimball**, M.J. Braun, R.C. K., Bowie, J.L. Chojnowski, S.Hackett, K.-L.Han, J. Harshman, C.J. Huddleston, B.D. Marks, K. J. Miglia, W. S. Moore, S.

Reddy, F.H. Sheldon, D.W. Steadman, and C.C. Witt. 2008. Model based phylogenetic analyses of over 12,000 insertion/deletion characters from multiple avian genes. Evolution 2008, Minneapolis, MN.

Braun, E.L. and **R.T. Kimball**. 2008. Improved maximum likelihood analyses of protein sequences. Evolution 2008, Minneapolis, MN.

Harshman, J., E.L. Braun, M.J. Braun, R.C.K. Bowie, J. Chojnowski, S. Hackett, K.L. Han, C.J. Huddleston, **R.T. Kimball**, B.D. Marks, K.J. Miglia, W.S. Moore, S. Reddy, F.H. Sheldon, D.W. Steadman, S.J. Steppan, C.C. Witt, T. Yuri. 2007. Phylogenomic evidence for multiple losses of flight in ratite birds. Association of Field Ornithologists Orono, Maine.

Les, D.H., D.J. Crawford, N.P. Tippery, **R.T. Kimball**, E. Landolt. 2007. Duckweeds go nuclear: successful sequencing of nrDNA lends support to the phylogeny of Lemnaceae. Botany and Plant Biology 2007. Chicago, IL.

Whiteman, N.K., J.L. Bollmer, **R.T. Kimball**, V.S. Dosanjh and P. Parker. 2006. Comparative microevolutionary dynamics of an endemic Galápagos bird and its five ectoparasite species: A model for studying parasite speciation. Entomological Society of America, Indianapolis, IN.

Kimball, R.T., N. Elejalde, and J. Bates. 2006. Genetic data suggest possible hybridization between the African and the Redbellied Paradise Flycatcher. North American Ornithological Congress, Veracruz, Mexico.

Haas, S.E., J.A. Cox, **R.T. Kimball**. 2006. Genetic structure within a population of cooperatively-breeding Brown-headed Nuthatches. North American Ornithological Congress, Veracruz, Mexico.

Whiteman, N. K., J.L. Bollmer, **R.T. Kimball**, K. D Matson, and P.G. Parker. 2006. Avian disease ecology: insights from a model host-ectoparasite system in the Galápagos Islands. North American Ornithological Congress, Veracruz, Mexico.

Bollmer, J.L., N.K. Whiteman, **R.T. Kimball**, K.D. Matson, and P.G. Parker. 2006. Population genetics of the endemic Galápagos Hawk: a recent arrival to the Galápagos Islands. North American Ornithological Congress, Veracruz, Mexico. **[Invited]**

Braun, M.J., C.J. Huddlestonm K.L. Han, S. Hackett, J. Harshman, R. Bowie, E. Braun, **R. Kimball**, J. Chojnowski, B. Marks, K. Miglia, W. Moore, S. Reddy, F. Sheldon, C. Witt, T. Yuri. 2006. Are raptorial birds each other's closest relatives? North American Ornithological Congress, Veracruz, Mexico. **[Invited]**

Braun, M.J., C.J. Huddleston, K.L. Han, T. Yuri, S. Hackett, J. Harshman, R. Bowie, S. Reddy, E. Braun, **R. Kimball**, J. Chojnowski, W. Moore, K. Miglia, F. Sheldon, B. Marks, and C. Witt. 2006. The utility of introns and other non-coding DNA sequences for deep node phylogenetic inference. 24th International Ornithological Congress, Hamburg, Germany.

Reddy, S., S. Hackett, **R. Kimball**, E. L. Braun, M. Braun, R. Bowie, K-L Han, J. Harshman, C. Huddleston, B. Marks, K. Miglia, W. A. Moore, F. H. Sheldon, D. Steadman, and C. Witt. 2006. Assembling the Avian Tree of Life: Examining signal and conflict in a 19 gene dataset. 24th International Ornithological Congress, Hamburg, Germany. **[Invited]**

Harshman, J., E. L. Braun, M. Braun, R. Bowie, S. Hackett, K-L Han, C. Huddleston, **R. Kimball**, B. Marks, K. Miglia, W. A. Moore, S. Reddy, F. H. Sheldon, D. Steadman, and C. Witt. 2006. Early Bird, an international collaboration in deep molecular phylogenetics of birds: can assault by masses of DNA sequences and sampled species breach the wall of death? 24th International Ornithological Congress, Hamburg, Germany.

Kimball, R.T. and E.L. Braun. 2006. Evolution of introns in galliform birds. Evolution 2006, Stony Brook, NY.

Reddy, S., S. Hackett, **R. Kimball**, E. L. Braun, M. Braun, R. Bowie, K-L Han, J. Harshman, C. Huddleston, B. Marks, K. Miglia, W. A. Moore, F. H. Sheldon, D. Steadman, and C. Witt. 2006. Assembling the avian tree of life: evaluating signal and conflict in a 19 gene dataset. Evolution 2006, Stony Brook, NY.

Braun, E.L., **R.T. Kimball**, S. Hackett, M. Braun, J. Harshman, W. Moore, F. Sheldon, D. Steadman, R. Bowie, J. Chojnowski, K-L Han, C. Huddleston, B. Marks, K. Miglia, C. Witt and T. Yuri. 2006. Analysis of deep avian phylogeny using alignment free methods. Evolution 2006, Stony Brook, NY.

Kimball, R.T. 2006. Avian Phylogenomics. Genetics Institute, University of Florida. **[Invited]**

Kimball, R.T., B. Marks and K-L Han. 2006. Relationship between evolution of the visual pigment rhodopsin and transitions to a nocturnal lifestyle in birds. Society for Integrative and Comparative Biology, Orlando, FL.

Bonilla, A.J., **R.T. Kimball**, and E.L. Braun. 2006. Conservation and Molecular Evolution of 3' Untranslated Regions in Birds. Society for Integrative and Comparative Biology, Orlando, FL.

Smith, J.V., **R.T. Kimball**, and E.L. Braun. 2006. Resolving the Phylogeny of Paleognathes: A Novel Genomic Approach. Society for Integrative and Comparative Biology, Orlando, FL.

Heimer-Torres, V.R., E.L. Braun, and **R.T. Kimball**. 2006. Molecular Evolution of Non-Canonical Introns in the Class Aves. Society for Integrative and Comparative Biology, Orlando, FL.

Kimball, R.T., B. Burkley, E. L. Braun and W. A. Cox. 2005. Phylogenetic relationships within the Galliformes inferred from sequences of 14 nuclear loci. American Ornithologists' Union, Santa Barbara, CA.

Kimball, R.T., S. Hackett, E. Braun, M. Braun, J. Harshman, W. Moore, F. Sheldon, D. Steadman, R. Bowie, J. Chojnowski, C. Huddleston, B. Marks, K. Miglia, C. Witt and T. Yuri. 2005. Molecular evolutionary properties of gene regions used in the Early Bird project. American Ornithologists' Union, Santa Barbara, CA.

Crawford, D.J., E. Landolt, D. Les and **R.T. Kimball**. 2005. Biogeography and Speciation in the Plant Family Lemnaceae (duckweeds); Insights from Molecular and Ecological Data. Korean Association of Biological Sciences, Daejeon, Korea. **[Invited]**

Braun, M.J., C.J. Huddleston, K.L. Han, T. Yuri, J. Hunt, M. Krosby, S. Hackett, J. Harshman, R. Bowie, S. Reddy, M. Burns, E. Sackett, R. Flynn, E. Braun, **R. Kimball**, D. Steadman, J. Chojnowski, W. Moore, K. Miglia, F. Sheldon, B. Marks, C. Witt, L. Cristidis, J. Norman, R. Page, R.T. Chesser, and D. Swofford. 2005. Early bird: a collaborative project to resolve the deep nodes of avian phylogeny. Wilson Ornithological Society, Beltsville, MD.

Braun, E.L. and **R.T. Kimball**. 2005. Problems using mitochondrial data to resolve avian phylogeny. Museum of Natural History, Louisiana State University. **[Invited]**

Braun, M.J., C.J. Huddleston, K.L. Han, T. Yuri, J. Hunt, M. Krosby, S. Hackett, J. Harshman, R. Bowie, S. Reddy, M. Burns, E. Sackett, R. Flynn, E. Braun, **R. Kimball**, D. Steadman, J. Chojnowski, K. Miglia, F. Sheldon, B. Marks, C. Witt, L. Christidis, J. Norman, R. Page, R.T. Chesser, D. Swofford. 2005. Early bird: a collaborative project to resolve the deep nodes of avian phylogeny. Wilson Ornithological Society, College Park, MD.

Kimball, R.T. 2004. Evolution in the galliforms. University of New Mexico, Albuquerque, NM. **[Invited]**

Kimball, R.T. D. J. Crawford, and T. K. Lowrey. 2004. A molecular study of *Brachylaena* (Asteraceae): phylogenetic and biogeographic implications. Botany 2004. Snowbird, Utah.

Kimball, R.T., N. K. Whiteman, J. L. Bollmer, and P. G. Parker. 2004. Phylogeography of Galapagos Hawks. Evolution 2004, Colorado State University, Fort Collins, CO.

Whiteman, N., **R. Kimball**, J. Bollmer, and P. Parker. 2004. Host-parasite evolution on the Galapagos Islands. Evolution 2004, Colorado State University, Fort Collins, CO.

Braun, E. L., R. C. K. Bowie, M. J. Braun, S. J. Hackett, K.-L. Han, J. Harshmann, C. Huddleston, **R.T. Kimball**, B. D. Marks, K. J. Miglia, W.A. Moore, F.H. Sheldon, D. Steadman, T. Yuri. 2004. Early Bird – a large-scale approach to avian phylogeny. Evolution 2004, Colorado State University, Fort Collins, CO.

Harshmann, J., E. L. Braun, M.J. Braun, R. C. K. Bowie, K.-L. Han, C. Huddleston, T. Yuri, **R. Kimball**, B. D. Marks, F. H. Sheldon, K. J. Miglia, W. A. Moore, D. Steadman. 2004. What, if anything, is a ratite? Evolution 2004, Colorado State University, Fort Collins, CO.

Chojnowski, J., **R.T. Kimball**, and E.L. Braun. 2004. A comparison of paralogous *clathrin-heavy chain* genes in avian phylogenetics. Evolution 2004, Colorado State, Fort Collins, CO.

Miglia, K., T. Yuri, W. A. Moore, R. C. K. Bowie, E. L. Braun, M. J. Braun, S. J. Hackett, K.-L. Han, J. Harshmann, C. Huddleston, **R.T. Kimball**, B. D. Marks, F. H. Sheldon, D. Steadman. 2004. Early Bird: Comparative study of nucleotide substitutions in introns, exons and utrs in avian orders. Evolution 2004, Colo. State University, Fort Collins, CO.

Hackett, S., E. Braun, M. Braun, J. Harshman, **R. Kimball**, W. Moore, F. Sheldon, D. Steadman, R. Bowie, R.T. Chesser, J. Chojnowski, L. Christidis, C. Huddleston, M. Krosby, B. Marks, K. Miglia, R. Page, and T. Yuri. 2004. Early Bird: Preliminary assessment of patterns of relationships and molecular evolution among the major lineages of birds. American Ornithologists' Union, Quebec City, Canada.

Harshmann, J., E. L. Braun, M. J. Braun, R. C. K. Bowie, S.H. Hackett, K.-L. Han, C. Huddleston, T. Yuri, **R. Kimball**, B. D. Marks, F. H. Sheldon, K. J. Miglia, W. A. Moore, D. Steadman. 2004. What, if anything, is a ratite? American Ornithologists' Union, Quebec City, Canada.

Kimball, R.T. and Braun, E.L. 2003. Evolution of ornamentation in the Phasianidae: implications from molecular phylogenetics. Evolution 2003, Chico, California.

Braun, E.L. and **R.T. Kimball**. 2003. A genomic view of polytomies in species trees: a case study in the Avian genus *Gallus*. Evolution 2003, Chico, California.

Hackett, S., E. Braun, M. Braun, J. Harshman, **R. Kimball**, W. Moore, F. Sheldon, D. Steadman, R. Bowie, R.T. Chesser, J. Chojnowski, L. Cristidis, M. Krosby, B. Marks, K. Miglia, R. Page, and T. Yuri. 2003. Early Bird: A collaborative project to resolve the deep nodes of avian phylogeny. 121st American Ornithologists' Union Meeting, Urbana-Champaign, Illinois.

Braun, E.L., co-authored with members of the Early Bird consortium and the Alligator Genome working group. 2003. Evolutionary Genomics of the Archosauria: Initial Results from the "Early Bird" and Alligator Genome Projects. Evolutionary Genomics Conference, Tucson, AZ.

Crawford, D.J., D.H. Les, E. Landolt, and **R.T. Kimball**. 2003. Speciation in Lemnaceae (duckweeds): inferences from molecular adata. Monocots III, Ontario, California.

Kimball, R.T., P. G. Parker, and J. C. Bednarz. 2002. The occurrence and evolution of cooperative breeding among the diurnal raptors. North American Ornithological Conference, New Orleans, LA.

Kimball, R.T., E. L. Braun, J. D. Ligon, E. Randi, and V. Lucchini. 2002. Using molecular phylogenetics to understand evolutionary changes in morphology and behavior in the Phasianidae. 23rd International Ornithological Congress, Beijing China. **[Invited]**

Braun, E. L. and **R.T. Kimball**. 2002. The role of evolutionary model complexity and taxon sampling upon avian phylogenetic estimation. 23rd International Ornithological Congress, Beijing China.

Crowe, T. M., P. Bloomer, E. Randi, V. Lucchini, **R.T. Kimball**, E. Braun and J. G. Groth. 2002. Phylogeny of the Galliformes. 23rd International Ornithological Congress, Beijing China. [Invited]

Crawford, D. J., **R.T. Kimball**, D. H. Les, E. Landolt, and L. E. Wallace. 2002. The origin of Lemna japonica: insights from molecular data. Botanical Society of America, Madison, WI.

Les, D. H., D. J. Crawford, **R.T. Kimball**, M. L. Moody, and Elias Landolt. 2002. Biogeography of cosmopolitan hydrophytes: a molecular appraisal of intercontinental disjunctions. Botanical Society of America, Madison, WI.

Crawford, D.J., **R.T. Kimball** and Mesfin Tadesse. 2001. Relationships in subtribe Coreopsidinae (Asteraceae: Heliantheae): insights from ITS sequences. Botanical Society of America Meeting, Albuquerque, NM.

Kimball, R.T., J.C. Bednarz, and P.G. Parker. 2000. The occurrence of cooperative breeding in Falconiformes. Raptor Research Foundation, Fayetteville, AR.

Kimball, R.T. 2000. Mitochondrial and nuclear phylogenies within the avian order Galliformes: implications for evolutionary processes. Fordham University, NY.

Kimball, R.T. and E.L. Braun. 2000. Comparison of nuclear intron and mitochondrial phylogenies in the avian order Galliformes. Evolution, Bloomington, IN.

Crawford, D.J., D.H. Les, E. Landolt, **R.T. Kimball**, and J.D. Gabel. 2000. A phylogenetic study of the genus *Wolfiella*. Botanical Society of America, Portland, OR.

Crawford, D.J., **R.T. Kimball**, E.D. Smith, and M. Tadesse. 2000. Molecular phylogeny and evolution of Coreocarpus (Asteraceae). Evolution, Bloomington, IN.

Crowe, T.M, E. Randi, **R.T. Kimball**, E.L. Braun, V. Lucchini, J. Groth, P. Bloomer. 2000. Evolutionary relationships of galliform birds: a review of data from fossils, molecules and organisms OR What kind of fowl am I?. Evolution, Bloomington, IN.

Les, D.H., D.J. Crawford, E. Landolt, J.D. Gabel, and **R.T. Kimball**. 2000. Phylogenetic relationships in Lemnaceae Dumortier, the duckweed family. Botanical Society of America, Portland, OR.

Lowrey, T.K., C.J. Quinn, R.K. Taylor, R. Chan, **R. Kimball**, and J.C. de Nardi. 2000. Molecular, morphological and biogeographical reassessment of relationships within the Vittadinia group of Astereae (Asteraceae). Botanical Society of America, Portland, OR.

Kimball, R.T. 1999. Mitochondrial and nuclear phylogenies within the avian order Galliformes: implications for evolutionary processes. Illinois Natural History Survey, IL.

Kimball, R.T. 1999. Evolution of the pheasants and partridges. Ohio State University, OH.

Parker, P.G., J.L. Bollmer, **R. Kimball**, J.C. Bednarz, Tj. DeVries, M. Donaghy Cannon, D.

Sanchez, T. Sanchez, S.M. Struve, and J. Faaborg. 1999. Galápagos hawks: genetic studies of variable mating systems. Symposium on molecular evolutionary ecology, European Society for Evolutionary Biology, Barcelona, Spain.

Chan, R., T. Lowrey, D. Natvig, **R. Kimball**, R. Whitkus, and C. Quinn. 1999. Molecular phylogeny of *Tetramolopium* (Asteraceae). XVI International Botanical Congress, St. Louis, MO.

Kimball, R.T. 1998. A molecular phylogeny of the pheasants and partridges. University of Maryland, MD. **[Invited]**

Kimball, R.T., E.L. Braun, P. Zwartjes, and J.D. Ligon. 1996. Phylogenetic relationships within and between the pheasants and partridges. Analysis of Biological Diversity, Tucson, AZ.

Furlow, F.B., M.C. Marshall, and **R.T. Kimball**. 1996. The Case of the Soprano Junglefowl: Do Bird Vocalizations Reveal Developmental Health? New Mexico Ornithological Society, Albuquerque, NM.

Kimball, R.T. 1994. The Role of Fluctuating Asymmetry in the Bibs of Male House Sparrows. Animal Behavior Society, Seattle, WA.

Kimball, R.T. 1992. Mate Choice in House Sparrows. New Mexico Ornithological Society, Albuquerque, NM.

Kimball, R.T. 1989. Adoption or Infanticide by Replacement Mates in Acorn Woodpeckers. University of New Mexico, Albuquerque, NM.

GOVERNMENT PUBLICATIONS

Finch, D. M., J. L. Ganey, W. Yong, R. Kimball, and R. Sallabanks. 1997. Effects and interactions of fire, logging, and grazing. *In* Songbird Ecology in Southwestern Ponderosa Pine Forests: A literature review. USDA Forest Service Gen. Tech. Rep. RM-GTR-292: 103-136.

Mehlman, D., K. Gordon, D. Gray, R. Kimball, M. J. Mund-Meyerson. 1995. 1995 survey for and habitat characteristics of the southwestern willow flycatcher (*Empidonax traillii extimus*) in the Isleta-Belen reach of the Rio Grande, New Mexico. Report to the U.S. Army Corps of Engineers, Albuquerque District.

Mund, M.. J., R. Kimball, D. Mehlman, K. Gordon, J. Travis, and D. Gray. 1994. Survey for the Southwestern Willow Flycatcher, *Empidonax traillii extimus*, in the Middle Rio Grande Flood Protection Project area, Isleta Pueblo to south of Belen. Report to the U.S. Army Corps of Engineers, Albuquerque District.

GRANTS

Funded

Julian, D., **R.T. Kimball,** R.O. Snyder, W.E. Spencer, C.M. St.Mary. 2013 – 2017. National Science Foundation (S-STEM). The Bioscience Scholars Program: Bringing the Master's degree within reach. $894,270.

Kimball, R.T. and E.L. Braun. 2011-2014. National Science Foundation (DEB). A taxon-rich phylogeny of Galliformes: using multiple loci to resolve conflicts among previous studies. $ 394,229

2014: REU supplement ($6,400)
2013: REU supplement ($12,500)
2012: REU supplement ($7,500)

Kimball, R.T., E.L. Braun, and J.G. Burleigh. Evolution of Avian Olfactory Systems: Assessing Genetic and Genomic Changes Associated with Shifts in Behavior. Singer Biology Fund. $10,000.

Kimball, R.T., E. L. Braun, and D. W. Steadman. 2002 – 2009 (with one year no-cost extension). National Science Foundation. ATOL: COLLABORATIVE RESEARCH Early Bird: A Collaborative Project to Resolve the Deep Nodes of Avian Phylogeny. $454,697.

2007: REU supplement ($12,000)
2004: REU supplement ($14,000)

Additional grants: Sigma Xi Grant-in-Aid-of-Research; Chapman Memorial Fund, AMNH; Student Research Allocations Committee, UNM; Graduate Research Allocations Committee, UNM; Vice-President's Graduate Research Fund, UNM; Arts and Sciences Fund, UNM.

Pending

Kimball, R.T. and E.L. Braun. Contrasting patterns of molecular evolution for the dynamic olfactory receptor subgenome in birds. National Science Foundation (Molecular and Cellular Biology). $704,690.

Kimball, R.T. **Preproposal.** Integrating multiples types of data to understand the evolution of galliform birds (pheasants, partridges, and their allies). National Science Foundation (Division of Environmental Biology).

HONORS

University of Florida, **CLAS Teaching Award 2010**
Elected Member, American Ornithologists' Union

SERVICE, UNIVERSITY OF FLORIDA

Merit Committee (2013)
Graduate Coordinator (2010 – 2013)
Graduate Admissions Committee (2010 – 2013); Chair 2012-2013
Curriculum Committee (2010 – 2013)
Advisory Committee (2010 – 2013)
Space Committee (2010 – 2013)
Plant Systematics Search (2012-2013)
CLAS Graduate Affairs Committee (2012-2013)

Graduate Committee (2009-2010)
Curriculum Committee (2008-2009)
Undergraduate Curriculum Committee (2007-2008)
Strategic Planning Committee (Co-Chair, 2006-2007)
Executive Committee (2006-2007)
Search Committee, Evolutionary Morphology Search (2006-2007)
Graduate Committee (2003-2006)
Seminar Committee (Co-Chair, 2003-2006)
CLAS Nominating Committee (2007-2009)

SERVICE, SCIENTIFIC ORGANIZATIONS

Editor, Ibis. 2013-present.

Council Member (elected), American Ornithologists' Union. 2012-present.
Member, Education Committee, Society for the Study of Evolution. 2008-present.
Chair, Student Travel and Presentation Awards Committee American Ornithologists' Union. 2009-2013.
Reviewer (invited), Society Systematic Biology Grants Program. 2013.
Member, Student Presentation Awards Committee, NAOC. 2012.
Council Member (elected), Society for Systematic Biology. 2008-2010.
Pheasant Specialist Group of the World Pheasant Association (invited member). 2002-2009.
Member, Student Travel and Presentation Awards Committee American Ornithologists' Union. 2005-2008.
Cooper Ornithological Society, Harry R. Painton Award Committee (invited). 2004.

REFEREE FOR:

Journals

American Naturalist; Animal Behaviour; Annals of Botany; Auk; Behavioral Ecology; Behavioral Ecology and Sociobiology; Biochemical Systematics and Ecology; Biological Conservation; Biological Journal of the Linnean Society; Biology Letters; BMC Evolutionary Biology; Botanical Bulletin of Academia Sinica; Cladistics; Condor; Evolution; Evolutionary Ecology; Gene; Genome Biology and Evolution; Journal of Avian Biology; Journal of Biogeography; Journal of Evolutionary Biology; Journal of Field Ornithology; Journal of Molecular Evolution; Journal of Natural History; Journal of Raptor Research; Journal of Zoology; Molecular Biology and Evolution; Molecular Phylogenetics and Evolution; Molecular Ecology; Nature Biotechnology; Nature Communications; Naturwissenshaften; Open Journal of Ornithology; Organisms Diversity and Evolution; Ostrich; Polar Biology; Proceedings of the Royal Society of London B; Systematic Biology; Zoological Journal of the Linnean Society; Zoologica Scripta; Zoological Science

Grants

National Science Foundation – Panel member in Systematics. Reviewed grants for panels in: Animal Behavior, Systematics, Population Biology and Biological Databases and OISE Global Scientists and Engineers
German Research Foundation (Deutsche Forschungsgemeinschaft)
Society for Systematic Biology

Dissertation (external examiner)

University of Capetown, South Africa

POSTDOCS

Kelly A. Meiklejohn (2012 – 2013). PhD 2012, University of Wollongong, Australia. Currently at FBI.
Tamaki Yuri (2007-2009). PhD, University of Michigan. Currently at Oklahoma State University.

GRADUATE STUDENTS

Current

Kin Han (chair), Tania Chavarria (chair), Ping Huang (co-chair), Ambuj Kumar (chair), Joni Wright (chair), Chris Cattau, Jackson Frechette, Kaan Kerman, John (Andy) Kilmer, Elena Ortiz Acevedo, Katherine O'Shaughnessy, Jessica Oswald, Jorge Pino, Daniel Sasson, John Slapcinsky, Scarlett Tudor, Mariana Villegas

Former

Gregory Babbitt (co-chair), Melissa Cousins (co-chair), Sarah Haas (co-chair), Deena Westbrook (co-chair), Julie Allen, Jena Chojnowski, Ana Herrera, Samantha Hilber, Jeremy Kirchman, Hope Klug, Stewart Kreitzer, Silvia Lomascaolo, Machel Malay, Ashley Morris, Clare Rittschof, Katie Suanders, Wendy Schelsky, Jordan Smith, Jessica Spencer, Alfred Thomson, Teala Tyson, Claudio Verdugo, Natalie Wright

UNDERGRADUATE STUDENTS (Univ. of Florida)

Of these 34 students, 23 are female and 8 are from under-represented minorities; I directly mentored all of these students (additional students have been mentored by graduate students).

Stephen Garrett Arnold, Amber Bonilla, Hyun-Ji Choi, Tara Conway, W. Andrew Cox, Naomi Csaki, Melany Danielson, Helia Dharia, Syki Duong, Natasha Elejalde, Carly Ferguson, Elon Fernandez, James Franklin, Ana Galarza, Andrea Garcia, Reid Green, Victoria Heimer-Torres/McGinn, Amanda Hudson, Shaun Jensen, Gabriel Jerkins, Dieula Johns, Kevin Johnson, Nick Lysak, Laura Patterson, Nicholas Persons, Katherine Rozofsky, Sarah Ring, Laura Salazar, Jordan Smith, Doug Storch, Padmaksi Tester, Caitlin Wildes, Dong Yang, Katie Zelle

TEACHING EXPERIENCE

Courses Taught (University of Florida)

- Behavioral Ecology (graduate level)
- Evolution
- Introductory Biology (various material, including evolution, ecology and genetics)
- Graduate Seminars - Various Topics Including: Phylogenetic Comparative Methods, Phylogeography, Speciation, Animal Behavior, Evolution of Sex Chromosomes, "Bigbird" – Avian Evolution and Ecology, Graduate Orientation, Grant Writing

Other Institutions

- Introduction to Human Physiology (Ohio State University. 2000-2001).
- Introductory Biology for majors, I and II. University of New Mexico 1996 – 1997.
- Non-majors Human Anatomy and Physiology. University of New Mexico 1991.

Teaching Assistant. University of New Mexico. 1987-1995. Taught labs for: Introductory Biology (both semesters), Human Anatomy and Physiology (both semesters), Ecology, General Vertebrate Zoology, Animal Behavior, Ornithology, Biology for non-majors, Human Anatomy and Physiology for non-majors.

Teaching Assistant. Duke University. 1992. Introductory Biology labs.

MEMBERSHIP, SCIENTIFIC SOCIETIES

American Ornithologists' Union
Cooper Ornithological Society
Society for the Study of Evolution
Society for Systematic Biology