

BIOL0035: Vertebrate Life and Evolution: Josephine Orledge

[View Online](#)

1.

Pough, F. Harvey, Janis, Christine M., Heiser, John B. Vertebrate Life. 6th ed. Prentice Hall; 2002.

2.

Kardong, Kenneth V. Vertebrates: Comparative Anatomy, Function, Evolution. 4th ed. (International ed.). McGraw-Hill; 2006.

3.

Ahlberg, Per Erik, Systematics Association. Major Events in Early Vertebrate Evolution: Palaeontology, Phylogeny, Genetics and Development. Vol Systematics Association special volume series. Taylor & Francis; 2001.

4.

DONOGHUE P, PURNELL M. Genome duplication, extinction and vertebrate evolution. Trends in Ecology & Evolution. 2005;20(6):312-319. doi:10.1016/j.tree.2005.04.008

5.

Carroll, Robert L. Chapter 1: Fossils and relationships. In: Vertebrate Paleontology and Evolution. Freeman; 1988:1-15.

<https://contentstore.cla.co.uk/secure/link?id=e82a781a-f9d4-ef11-88f9-845c5d84cf17>

6.

Gee, Henry. In Search of Deep Time: Beyond the Fossil Record to a New History of Life. Free Press; 1999.

7.

Hammer, Øyvind, Harper, D. A. T. Paleontological Data Analysis. Blackwell; 2006.

8.

Hammer Øyvind, Harper DAT, eds. Paleontological Data Analysis. Blackwell Publishing; 2005. doi:10.1002/9780470750711

9.

Lomolino, Mark V., Brown, James H., Brown, James H., Riddle, Brett R. Biogeography. 3rd ed. Sinauer Associates; 2005.

10.

Cox CB, Moore PD, Ladle RJ. Biogeography: An Ecological and Evolutionary Approach. Ninth edition. Wiley Blackwell; 2016.
<https://ebookcentral.proquest.com/lib/ucl/detail.action?docID=4452969>

11.

MacDonald, Glenn M. Biogeography: Space, Time and Life. Wiley; 2003.

12.

Chatterjee HJ, Tse JSY, Turvey ST. Using Ecological Niche Modelling to Predict Spatial and Temporal Distribution Patterns in Chinese Gibbons: Lessons from the Present and the Past. Folia Primatologica. 2012;83(2):85-99. doi:10.1159/000342696

13.

Chatterjee HJ. Phylogeny and Biogeography of Gibbons: A Dispersal-Vicariance Analysis. International Journal of Primatology. 2006;27(3):699-712. doi:10.1007/s10764-006-9044-1

14.

HIJMANS RJ, GRAHAM CH. The ability of climate envelope models to predict the effect of climate change on species distributions. *Global Change Biology*. 2006;12(12):2272-2281. doi:10.1111/j.1365-2486.2006.01256.x

15.

Phillips SJ, Anderson RP, Schapire RE. Maximum entropy modeling of species geographic distributions. *Ecological Modelling*. 2006;190(3-4):231-259. doi:10.1016/j.ecolmodel.2005.03.026

16.

Pough, F. Harvey. *Herpetology*. Prentice Hall; 1998.

17.

Adler, Kraig, Halliday, Tim. *The New Encyclopedia of Reptiles and Amphibians*. Oxford University Press; 2002.

18.

Duellman, William Edward, Trueb, Linda. *Biology of Amphibians*. McGraw-Hill; 1986.

19.

Liem, Karel F. *Functional Anatomy of the Vertebrates: An Evolutionary Perspective*. 3rd ed. Brooks/Cole-Thomson Learning; 2001.

20.

Biju SD, Bossuyt F. New frog family from India reveals an ancient biogeographical link with the Seychelles. *Nature*. 2003;425(6959):711-714. doi:10.1038/nature02019

21.

Bossuyt F, Milinkovitch MC. From the Cover: Convergent adaptive radiations in Madagascan and Asian ranid frogs reveal covariation between larval and adult traits. *Proceedings of the National Academy of Sciences*. 2000;97(12):6585-6590. doi:10.1073/pnas.97.12.6585

22.

Bossuyt F, Brown R, Hillis D, Cannatella D, Milinkovitch M. Phylogeny and Biogeography of a Cosmopolitan Frog Radiation: Late Cretaceous Diversification Resulted in Continent-Scale Endemism in the Family Ranidae. *Systematic Biology*. 2006;55(4):579-594. doi:10.1080/10635150600812551

23.

Evans SE, Jones MEH, Krause DW. A giant frog with South American affinities from the Late Cretaceous of Madagascar. *Proceedings of the National Academy of Sciences*. 2008;105(8):2951-2956. doi:10.1073/pnas.0707599105

24.

Vences M. Origin of Madagascar's extant fauna: A perspective from amphibians, reptiles and other non-flying vertebrates. *Italian Journal of Zoology*. 2004;71(sup2):217-228. doi:10.1080/11250000409356639

25.

Anne D. Yoder and Michael D. Nowak. Has Vicariance or Dispersal Been the Predominant Biogeographic Force in Madagascar? Only Time Will Tell. *Annual Review of Ecology, Evolution, and Systematics*. 2006;37. <https://www.jstor.org/stable/30033838>

26.

Roelants K, Gower DJ, Wilkinson M, et al. Global patterns of diversification in the history of modern amphibians. *Proceedings of the National Academy of Sciences*. 2007;104(3):887-892. doi:10.1073/pnas.0608378104

27.

David Marjanović and Michel Laurin. Fossils, Molecules, Divergence Times, and the Origin of Lissamphibians. *Systematic Biology*. 2007;56(3).
https://www.jstor.org/stable/20143044?seq=1#metadata_info_tab_contents

28.

Apesteguía S, Jones MEH. A Late Cretaceous "tuatara" (Lepidosauria: Sphenodontinae) from South America. *Cretaceous Research*. 2012;34:154-160.
doi:10.1016/j.cretres.2011.10.014

29.

EVANS SE. At the feet of the dinosaurs: the early history and radiation of lizards. *Biological Reviews*. 2003;78(4):513-551. doi:10.1017/S1464793103006134

30.

Evans SE, Jones MEH. The Origin, Early History and Diversification of Lepidosauromorph Reptiles. In: *New Aspects of Mesozoic Biodiversity*. Vol 132. Springer Berlin Heidelberg; 2010:27-44. doi:10.1007/978-3-642-10311-7_2

31.

KEQIN G, NORELL MA. Taxonomic composition and systematics of late cretaceous lizard assemblages from Ukhaa Tolgod and adjacent localities, Mongolian Gobi desert. *Bulletin of the American Museum of Natural History*. 2000;249:1-118.
doi:10.1206/0003-0090(2000)249<0001:TCASOL>2.0.CO;2

32.

Adler, Kraig, Halliday, Tim. *The New Encyclopedia of Reptiles and Amphibians*. Oxford University Press; 2002.

33.

Jones MEH, Tennyson AJD, Worthy JP, Evans SE, Worthy TH. A sphenodontine (Rhynchocephalia) from the Miocene of New Zealand and palaeobiogeography of the

tuatara (*Sphenodon*). *Proceedings of the Royal Society B: Biological Sciences*. 2009;276(1660):1385-1390. doi:10.1098/rspb.2008.1785

34.

J. Robert Macey, James A. Schulte, II, Allan Larson, Natalia B. Ananjeva, Yuezhaio Wang, Rohan Pethiyagoda, Nasrullah Rastegar-Pouyani and Theodore J. Papenfuss. Evaluating Trans-Tethys Migration: An Example Using Acrodont Lizard Phylogenetics. *Systematic Biology*. 2000;49(2). <https://www.jstor.org/stable/2585219>

35.

Zug, George R. *Herpetology: An Introductory Biology of Amphibians and Reptiles*. Academic Press; 1993. <https://www.sciencedirect.com/book/9780127826202/herpetology>

36.

Kupfer A, Müller H, Antoniazzi MM, et al. Parental investment by skin feeding in a caecilian amphibian. *Nature*. 2006;440(7086):926-929. doi:10.1038/nature04403

37.

Roelants K, Gower DJ, Wilkinson M, et al. Global patterns of diversification in the history of modern amphibians. *Proceedings of the National Academy of Sciences*. 2007;104(3):887-892. doi:10.1073/pnas.0608378104

38.

GOWER DJ, GIRI V, DHARNE MS, SHOUCHE YS. Frequency of independent origins of viviparity among caecilians (*Gymnophiona*): evidence from the first 'live-bearing' Asian amphibian. *Journal of Evolutionary Biology*. 2008;21(5):1220-1226. doi:10.1111/j.1420-9101.2008.01577.x

39.

GOWER DJ, WILKINSON M. Conservation Biology of Caecilian Amphibians. *Conservation Biology*. 2005;19(1):45-55. doi:10.1111/j.1523-1739.2005.00589.x

40.

WILKINSON M, SAN MAURO D, SHERRATT E, GOWER DJ. A nine-family classification of caecilians (Amphibia: Gymnophiona). Zootaxa. 2011;2874(1). doi:10.11646/zootaxa.2874.1.3

41.

WILKINSON M. Comparative morphology and evolution of the lungless caecilian *Atretochoana eiselti* (Taylor) (Amphibia: Gymnophiona: Typhlonectidae). Biological Journal of the Linnean Society. 1997;62(1):39-109. doi:10.1006/bijl.1997.0143

42.

Ole Seehausen. African Cichlid Fish: A Model System in Adaptive Radiation Research. Proceedings: Biological Sciences. 2006;273(1597). <https://www.jstor.org/stable/25223557>

43.

Kocher TD. Adaptive evolution and explosive speciation: the cichlid fish model. Nature Reviews Genetics. 2004;5(4):288-298. doi:10.1038/nrg1316

44.

Schluter, Dolph. The Ecology of Adaptive Radiation. Vol Oxford series in ecology and evolution. Oxford University Press; 2000.

45.

Schliewen UK, Tautz D, Pääbo S. Sympatric speciation suggested by monophyly of crater lake cichlids. Nature. 1994;368(6472):629-632. doi:10.1038/368629a0

46.

Joyce DA, Lunt DH, Bills R, et al. An extant cichlid fish radiation emerged in an extinct Pleistocene lake. Nature. 2005;435(7038):90-95. doi:10.1038/nature03489

47.

Day JJ, Cotton JA, Barraclough TG. Tempo and Mode of Diversification of Lake Tanganyika Cichlid Fishes. PLoS ONE. 2008;3(3). doi:10.1371/journal.pone.0001730

48.

Joyce DA, Lunt DH, Genner MJ, Turner GF, Bills R, Seehausen O. Repeated colonization and hybridization in Lake Malawi cichlids. Current Biology. 2011;21(3):R108-R109. doi:10.1016/j.cub.2010.11.029

49.

Verheyen E. Origin of the Superflock of Cichlid Fishes from Lake Victoria, East Africa. Science. 2003;300(5617):325-329. doi:10.1126/science.1080699

50.

Albertson RC, Markert JA, Danley PD, Kocher TD. Phylogeny of a rapidly evolving clade: The cichlid fishes of Lake Malawi, East Africa. Proceedings of the National Academy of Sciences . 1999;96(9):5107-5110. doi:10.1073/pnas.96.9.5107

51.

Genner MJ, Seehausen O, Lunt DH, et al. Age of Cichlids: New Dates for Ancient Lake Fish Radiations. Molecular Biology and Evolution. 2007;24(5):1269-1282. doi:10.1093/molbev/msm050

52.

Harshman J, Braun EL, Braun MJ, et al. Phylogenomic evidence for multiple losses of flight in ratite birds. Proceedings of the National Academy of Sciences. 2008;105(36):13462-13467. doi:10.1073/pnas.0803242105

53.

Feduccia A. 'Big bang' for tertiary birds? Trends in Ecology & Evolution.

2003;18(4):172-176. doi:10.1016/S0169-5347(03)00017-X

54.

Cooper A. Mass Survival of Birds Across the Cretaceous- Tertiary Boundary: Molecular Evidence. *Science*. 1997;275(5303):1109-1113. doi:10.1126/science.275.5303.1109

55.

Longrich NR, Tokaryk T, Field DJ. Mass extinction of birds at the Cretaceous-Paleogene (K-Pg) boundary. *Proceedings of the National Academy of Sciences*. 2011;108(37):15253-15257. doi:10.1073/pnas.1110395108

56.

Roelants K, Gower DJ, Wilkinson M, et al. Global patterns of diversification in the history of modern amphibians. *Proceedings of the National Academy of Sciences*. 2007;104(3):887-892. doi:10.1073/pnas.0608378104

57.

Lerner HRL, Meyer M, James HF, Hofreiter M, Fleischer RC. Multilocus Resolution of Phylogeny and Timescale in the Extant Adaptive Radiation of Hawaiian Honeycreepers. *Current Biology*. 2011;21(21):1838-1844. doi:10.1016/j.cub.2011.09.039

58.

Ericson PGP, Anderson CL, Britton T, et al. Diversification of Neoaves: integration of molecular sequence data and fossils. *Biology Letters*. 2006;2(4):543-547. doi:10.1098/rsbl.2006.0523

59.

Bininda-Emonds ORP, Cardillo M, Jones KE, et al. The delayed rise of present-day mammals. *Nature*. 2007;446(7135):507-512. doi:10.1038/nature05634

60.

Roos J, Aggarwal RK, Janke A. Extended mitogenomic phylogenetic analyses yield new insight into crocodylian evolution and their survival of the Cretaceous–Tertiary boundary. *Molecular Phylogenetics and Evolution*. 2007;45(2):663-673. doi:10.1016/j.ympev.2007.06.018

61.

Peter R. Grant and B. Rosemary Grant. Adaptive Radiation of Darwin's Finches: Recent data help explain how this famous group of Galápagos birds evolved, although gaps in our understanding remain. *American Scientist*. 2002;90(2). <https://www.jstor.org/stable/27857627>

62.

Lerner HRL, Meyer M, James HF, Hofreiter M, Fleischer RC. Multilocus Resolution of Phylogeny and Timescale in the Extant Adaptive Radiation of Hawaiian Honeycreepers. *Current Biology*. 2011;21(21):1838-1844. doi:10.1016/j.cub.2011.09.039

63.

Adkins RM, Honeycutt RL. Molecular phylogeny of the superorder Archonta. *Proceedings of the National Academy of Sciences*. 1991;88(22):10317-10321. doi:10.1073/pnas.88.22.10317

64.

Allard M. Support for Interordinal Eutherian Relationships with an Emphasis on Primates and Their Archontan Relatives. *Molecular Phylogenetics and Evolution*. 1996;5(1):78-88. doi:10.1006/mpev.1996.0007

65.

Loren K. Ammerman and David M. Hillis. A Molecular Test of Bat Relationships: Monophyly or Diphyly? *Systematic Biology*. Vol. 41(No. 2):222-232.

66.

Robert J. Asher, Jonathan H. Geisler and Marcelo R. Sánchez-Villagra. Morphology, Paleontology, and Placental Mammal Phylogeny. *Systematic Biology*. Vol. 57(No.

2):311-317.

67.

General Anthropology. General Anthropology Bulletin of the General Anthropology Division. 2002;8(2):1-16. doi:10.1525/ga.2002.8.2.1

68.

Kay RF, Thewissen JGM, Yoder AD. Cranial anatomy of *Ignacius graybullianus* and the affinities of the Plesiadapiformes. American Journal of Physical Anthropology. 1992;89(4):477-498. doi:10.1002/ajpa.1330890409

69.

Kriegs JO, Churakov G, Kiefmann M, Jordan U, Brosius J, Schmitz J. Retroposed Elements as Archives for the Evolutionary History of Placental Mammals. PLoS Biology. 2006;4(4). doi:10.1371/journal.pbio.0040091

70.

Lin YH, Penny D. Implications for Bat Evolution from Two New Complete Mitochondrial Genomes. Molecular Biology and Evolution. 2001;18(4):684-688. doi:10.1093/oxfordjournals.molbev.a003850

71.

Madsen O, Scally M, Douady CJ, et al. Parallel adaptive radiations in two major clades of placental mammals : Article : Nature. Nature. 2001;409(6820):610-614. doi:10.1038/35054544

72.

Miyamoto M. A Congruence Study of Molecular and Morphological Data for Eutherian Mammals. Molecular Phylogenetics and Evolution. 1996;6(3):373-390. doi:10.1006/mpev.1996.0087

73.

M. Miyamoto, Calvin A. Porter, Morr M. c- Myc Gene Sequences and the Phylogeny of Bats and Other Eutherian Mammals. *Systematic Biology*. 2000;49(3):501-514.
doi:10.1080/10635159950127367

74.

Murphy WJ. Resolution of the Early Placental Mammal Radiation Using Bayesian Phylogenetics. *Science*. 2001;294(5550):2348-2351. doi:10.1126/science.1067179

75.

NOVACEK MJ, WYSS AR. HIGHER-LEVEL RELATIONSHIPS OF THE RECENT EUTHERIAN ORDERS: MORPHOLOGICAL EVIDENCE. *Cladistics*. 1986;2(4):257-287.
doi:10.1111/j.1096-0031.1986.tb00463.x

76.

J. D. Pettigrew, B. G. M. Jamieson, S. K. Robson, L. S. Hall, K. I. McAnally and H. M. Cooper. Phylogenetic Relations Between Microbats, Megabats and Primates (Mammalia: Chiroptera and Primates). *Philosophical Transactions of the Royal Society of London Series B, Biological Sciences*. Vol. 325(No. 1229):489-559.

77.

SPRINGER M. Molecules consolidate the placental mammal tree. *Trends in Ecology & Evolution*. 2004;19(8):430-438. doi:10.1016/j.tree.2004.05.006

78.

Springer MS, Murphy WJ. Mammalian evolution and biomedicine: new views from phylogeny. *Biological Reviews*. 2007;82(3):375-392.
doi:10.1111/j.1469-185X.2007.00016.x

79.

Springer M, Meredith R, Eizirik E, Teeling E, Murphy W. Morphology and Placental Mammal Phylogeny. *Systematic Biology*. 2008;57(3):499-503. doi:10.1080/10635150802164504

80.

Emma C. Teeling, Ole Madsen, Ronald A. Van Den Bussche, Wilfried W. de Jong, Michael J. Stanhope and Mark S. Springer. Microbat Paraphyly and the Convergent Evolution of a Key Innovation in Old World Rhinolophoid Microbats. *Proceedings of the National Academy of Sciences of the United States of America*. Vol. 99(No. 3):1431-1436.

81.

Teeling EC. A Molecular Phylogeny for Bats Illuminates Biogeography and the Fossil Record. *Science*. 2005;307(5709):580-584. doi:10.1126/science.1105113

82.

Van Den Bussche R. Characterization and Phylogenetic Utility of the Mammalian Protamine P1 Gene. *Molecular Phylogenetics and Evolution*. 2002;22(3):333-341. doi:10.1006/mpev.2001.1051

83.

Ronald A. van Den Bussche and Steven R. Hoofer. Phylogenetic Relationships among Recent Chiropteran Families and the Importance of Choosing Appropriate Out-Group Taxa. *Journal of Mammalogy*. 2004;85(2). <https://www.jstor.org/stable/1383763?>

84.

Karen E. Sears. Constraints on the Morphological Evolution of Marsupial Shoulder Girdles. *Evolution*. Vol. 58(No. 10):2353-2370.

85.

Jason A. Lillegraven. Biological Considerations of the Marsupial-Placental Dichotomy. *Evolution*. Vol. 29(No. 4):707-722.

86.

Szalay FS. Paleobiogeography and metatherian evolution. In: *Evolutionary History of the*

Marsupials and an Analysis of Osteological Characters. Cambridge University Press; 1995:407-428. doi:10.1017/CBO9780511565571.010

87.

Nilsson MA, Arnason U, Spencer PBS, Janke A. Marsupial relationships and a timeline for marsupial radiation in South Gondwana. *Gene*. 2004;340(2):189-196. doi:10.1016/j.gene.2004.07.040

88.

Nunn CL, Smith KK. Statistical Analyses of Developmental Sequences: The Craniofacial Region in Marsupial and Placental Mammals. *The American Naturalist*. 1998;152(1):82-101. doi:10.1086/286151

89.

Vera Weisbecker, Anjali Goswami, Stephen Wroe and Marcelo R. Sánchez-Villagra. Ossification Heterochrony in the Therian Postcranial Skeleton and the Marsupial-Placental Dichotomy. *Evolution*. Vol. 62(No. 8):2027-2041.

90.

Van Valkenburgh B. Deja vu: the evolution of feeding morphologies in the Carnivora. *Integrative and Comparative Biology*. 2007;47(1):147-163. doi:10.1093/icb/icm016

91.

Blaire van Valkenburgh. Major patterns in the history of carnivorous mammals. *Annual Review of Earth and Planetary Sciences*. 1999;27:51-63. <https://search.proquest.com/docview/220785610?OpenUrlRefId=info:xri/sid:primo&accountid=14511>

92.

Ricklefs, Robert E., Schluter, Dolph. Historical Diversity Patterns in North American Large Herbivores and Carnivores. In: *Species Diversity in Ecological Communities: Historical and Geographical Perspectives*. University of Chicago Press; 1993:330-340.

93.

Goswami A, Friscia A, eds. Carnivoran Evolution: New Views on Phylogeny, Form and Function. Cambridge University Press; 2010. doi:10.1017/CBO9781139193436

94.

Goswami, Anjali, Friscia, Anthony. Carnivoran Evolution: New Views on Phylogeny, Form, and Function. Vol Cambridge studies in morphology and molecules. Cambridge University Press; 2010.

95.

Gina D. Wesley-Hunt. The Morphological Diversification of Carnivores in North America. Paleobiology. Vol. 31(No. 1):35-55.

96.

Rose, Kenneth David, Archibald, J. David. The Rise of Placental Mammals: Origins and Relationships of the Major Extant Clades. Johns Hopkins University Press; 2005:175-198.

97.

Scott, Kathleen M., Jacobs, Louis L., Janis, Christine M., Gunnell, Gregg F., Uhen, Mark D. Evolution of Tertiary Mammals of North America. Cambridge University Press; 1998.

98.

Pasquale Raia and Shai Meiri. The Island Rule in Large Mammals: Paleontology Meets Ecology. Evolution. Vol. 60(No. 8):1731-1742.

99.

Lister AM. Rapid dwarfing of red deer on Jersey in the Last Interglacial. Nature. 1989;342(6249):539-542. doi:10.1038/342539a0

100.

Stephen Jay Gould and Niles Eldredge. Punctuated Equilibria: The Tempo and Mode of Evolution Reconsidered. *Paleobiology*. 1977;3(2). <https://www.jstor.org/stable/2400177>

101.

Lister AM. The Origin and Evolution of the Woolly Mammoth. *Science*. 2001;294(5544):1094-1097. doi:10.1126/science.1056370

102.

Lister, Adrian, Bahn, Paul G. *Mammoths: Giants of the Ice Age*. Rev. ed. University of California Press; 2007.

103.

Fleagle JG. *Primate Adaptation and Evolution*. 3rd ed. Elsevier/Academic Press; 2013. <https://www.sciencedirect.com/book/9780123786326/primate-adaptation-and-evolution>

104.

Aiello, Leslie, Dean, Christopher. *An Introduction to Human Evolutionary Anatomy*. Academic Press; 1990.

105.

An Introduction to Human Evolutionary Anatomy. Elsevier; 2002. <https://www.sciencedirect.com/book/9780120455911/an-introduction-to-human-evolutionary-anatomy>

106.

Dunbar, R. I. M., Barrett, Louise, British Broadcasting Corporation. *Cousins: Our Primate Relatives*. BBC Worldwide; 2000.

107.

Franzen JL, Gingerich PD, Habersetzer J, Hurum JH, von Koenigswald W, Smith BH. Complete Primate Skeleton from the Middle Eocene of Messel in Germany: Morphology and Paleobiology. PLoS ONE. 2009;4(5). doi:10.1371/journal.pone.0005723

108.

Groves, Colin P. Primate Taxonomy. Vol Smithsonian series in comparative evolutionary biology. Smithsonian Institution Press; 2001.

109.

Mittermeier RA, Wallis J, Rylands AB, et al. Primates in Peril: The World's 25 Most Endangered Primates 2008–2010. Primate Conservation. 2009;24(1):1-57.
<https://doi.org/10.1896/052.024.0101>

110.

Chatterjee HJ, Ho SY, Barnes I, Groves C. Estimating the phylogeny and divergence times of primates using a supermatrix approach. BMC Evolutionary Biology. 2009;9(1).
doi:10.1186/1471-2148-9-259