

CURRICULUM VITAE

JOHN R. WIBLE

(8/15/14)

1) Personal Data

Section of Mammals
Carnegie Museum of Natural History
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Pittsburgh, PA 15206-3706
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2) Academic Degrees

Ph.D., Anatomy, Duke University, Durham, NC, December, 1984. Thesis title: “The ontogeny and phylogeny of the mammalian cranial arterial pattern.”
M.A., Anthropology, New York University, New York, NY, June, 1977.
A.B., cum laude, Anthropology, Cornell University, Ithaca, NY, May, 1975.

3) Academic and Professional Experience

A. Postdoctoral Training

Postdoctoral Lecturer, Department of Organismal Biology and Anatomy, University of Chicago, Chicago, IL 1985-1988.

B. Appointments

Curator and Head, Section of Mammals, Carnegie Museum of Natural History, Pittsburgh, PA, 2003–
Dean of Science, Carnegie Museum of Natural History, Pittsburgh, PA, 10/2000–12/2002.
Interim Director, Carnegie Museum of Natural History, Pittsburgh, PA, 2/2000–2/2001.
Associate Curator and Head, Section of Mammals, Carnegie Museum of Natural History, Pittsburgh, PA, 1998–2003.
Associate Professor, Department of Anatomical Sciences and Neurobiology, University of Louisville, Louisville, KY, 1994–1998.
Assistant Professor, Department of Anatomical Sciences and Neurobiology, University of Louisville, Louisville, KY, 1989–1994.
Research Associate (Asst. Prof.), Department of Organismal Biology and Anatomy, University of Chicago, Chicago, IL, 1988–1989.

C. Honorary Appointments

Research Associate, Department of Zoology, Field Museum of Natural History, Chicago, IL, 1989–

Research Associate, Department of Mammalogy, American Museum of Natural History,
New York, NY, 1989–
Adjunct Associate Professor, Department of Neurobiology, University of Pittsburgh, School
of Medicine, 2006–

D. Grants

Research grants with overhead:

Institute of Museum and Library Services, Museums for America Program: “Planning the Reunification of the Mammal Collection.” (Total award to CMNH = \$50,068) 8/1/2012-7/31/2013.

National Science Foundation (Systematic Biology): “Mesozoic mammals from South America: their impact on mammalian evolution, phylogeny, and time calibrations.” G.W. Rougier, University of Louisville. (JRW as senior scientist with CMNH award \$12,000) 3/2010 – 2/2012.

National Science Foundation (Assembling the Tree of Life): “Resolving mammalian phylogeny with genomic and morphological approaches.” Collaborative research between Carnegie Museum and Natural History (Luo and Wible), American Museum of Natural History, Stony Brook University, University of California at Riverside, and Texas A&M University (total award to Luo and Wible = \$349,106) 10/2006-9/2011.

National Science Foundation (Systematic Biology): “Mesozoic therians from Central Asia: the basal radiation of tribosphenic mammals and their impact on the higher-level relationships of therian mammals.” Collaborative research with M.J. Novacek, American Museum of Natural History and G.W. Rougier, University of Louisville, (total award to JRW = \$48,981) 2/2002–1/2004.

National Science Foundation (Systematic Biology): “Cretaceous mammals from Mongolia: implications for higher-level mammalian phylogeny.” Collaborative research with M.J. Novacek, G.W. Rougier, and M.C. McKenna, American Museum of Natural History, (total award to JRW = \$90,000) 1996–1999.

National Science Foundation (Systematic Biology): Accomplishment Based Renewal (total award to JRW = \$81,500) 1992–1995.

National Science Foundation (Systematic Biology): “Ontogenetic and paleontologic studies of the mammalian ear region: implications for the higher-level phylogeny of mammals.” (total award to JRW = \$130,000) 1988–1991.

National Science Foundation (Systematic Biology): Dissertation Improvement “The ontogeny and phylogeny of the mammalian cranial arterial pattern.” (total award to JRW = \$4,790) 1981–1982.

Research grants without overhead:

National Geographic Society: “Early Cretaceous mammals, Cloverly Formation.” with R.L. Cifelli and S.K. Madsen (total award = \$15,108) 1997–1998.

German Academic Exchange Service Short Term Research Award, (total award = \$5,000) 1980.

Hubrecht Laboratory Research Award, Utrecht, The Netherlands, (total award = \$1,000) 1980.

E. Teaching Experience (Since 1989)

At the University of Louisville

Dental Gross Anatomy, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998.
Human Anatomy for Physical Therapy Students, 1991, 1992, 1993, 1994, 1995, 1996.
Advanced Head and Neck Anatomy, Course Director, 1997, 1998.
Developmental Neurobiology, 1990, 1994.

At the University of Pittsburgh School of Medicine

Natural History of Medicine, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013.
Human Gross Anatomy, 2007, 2008, 2009, 2010.

F. Field Work Experience (Since 1989)

Early Eocene, Washakie Basin, Wyoming (with H.H. Covert, University of Colorado),
1989, 1990, 1994.
Early Cretaceous, Big Horn Basin, Wyoming & Montana (with R.L. Cifelli, University of
Oklahoma), 1996, 1997.
Late Jurassic, Fruita Paleontological Area, Colorado (with Z.-X. Luo, CMNH), 1999, 2004.

4) Professional Societies

International Society of Vertebrate Morphology
Society for Study of Mammalian Evolution
Society of Vertebrate Paleontology
Chair, Development Committee, 1994–1996
Joseph T. Gregory Award Committee, 2002–2007
Chair, Joseph T. Gregory Award Committee, 2007

5) Editorial Boards, Advisory Councils and Committees

A. Editor

Carnegie Museum of Natural History Publication Series, 1999–
Senior Editor, Carnegie Museum of Natural History Publication Series, 2004–
Journal of Mammalian Evolution, 2007–

B. Associate Editor

Journal of Mammalian Evolution, 1995–2006

C. Journal Reviewer

Acta Palaeontologica Polonica
Acta Zoologica Sinica
Advances in Primatology
American Journal of Physical Anthropology
American Museum Novitates

Anatomical Record
Annales Zoologici Fennici
Australian Journal of Zoology
Biology Image Library
BioScience
Bulletin of the American Museum of Natural History
Evolutionary Anthropology
Evolutionary Theory
Fieldiana
Geobios
Geological Journal
Journal of Human Evolution
Journal of Mammalian Evolution
Journal of Mammalogy
Journal of Morphology
Journal of Paleontology
Journal of Systematic Palaeontology
Journal of Vertebrate Paleontology
Journal Mastozoologia Neotropical
Journal of Zoological Systematics and Evolutionary Research
Mitteilungen aus dem Museum für Naturkunde Berlin
Monographs in Systematic Botany from the Missouri Botanical Garden
Nature
Palaeontology
Proceedings of the Royal Society of London
Science
Senckenbergiana Biologica
Smithsonian Institution
Zoologica Scripta
Zoological Journal of the Linnean Society

C'. Grant Reviewer

National Science Foundation

D. External Search Committee Service

Division of Paleontology, American Museum of Natural History, 2003.

E. Graduate Students

J.R. Martin, M.S., University of Louisville, December 1991, Title of Thesis: “The development of the auditory region of the rousette fruit bat *Rousettus leschenaulti* (Mammalia, Megachiroptera).”

D.M. Davis, D.V.M., M.S., University of Louisville, August 1998, Title of Thesis: “The ontogeny of the basicranium of the Indian false vampire bat *Megaderma lyra* (Megadermatidae, Chiroptera).”

F. Ph.D. Committees

- A.M. Forasiepi, University of Louisville, March 2006, Title of Thesis: “Anatomy of *Arctodictis sinclairi* (Mammalia, Metatheria) and the phylogenetic relationships of Sparassodonta, large carnivores of the Cenozoic of South America.” Served as outside member.
- T.J. Gaudin, University of Chicago, June 1993, Title of Thesis: “Phylogeny and function in the Tardigrada (Mammalia: Xenarthra).” Served as outside member.
- J. Sedlmayr, Ohio University, April, 2002, Title of Thesis: “Anatomy, evolution, and functional Significance of cephalic vasculature in Archosauria. ” Served as outside member.
- M.R. Sánchez-Villagra, Duke University, December 1998, Title of Thesis: “Patterns of morphological change in the ontogeny and phylogeny of the marsupial skull.” Served as outside member.
- D.P. Stump, University of Pittsburgh, May 2005, Title of Thesis: “The taxonomy of the Genus *Perodicticus*.” Served as outside member.
- S. Weaver, University of Louisville, June 1993, Title of Thesis: “Cochlear development in the gerbil during the shift in the place code.”

G. M.S. Committees

- D. Ackerman Rennirt, University of Louisville, August 1995, Title of Thesis: “Hair cell loss in the hamster cochlea following preweanling exposure to aminoglycosides.”

6) Awards

- President's Young Investigator Award, University of Louisville, 1991.
- Guest Professor, Zoologisches Institut, Universität Tübingen, Germany, December 1990 and 1991.
- Juan Comas Prize (Student Paper Prize), American Association of Physical Anthropologists, 1980.

7) Bibliography

A. Edited Volume

- M.T. Carrano, T.J. Gaudin, R.W. Blob, and **J.R. Wible** (Eds.). 2006. Amniote Paleobiology: Perspectives on the Evolution of Mammals, Birds, and Reptiles. Chicago, University of Chicago Press. 547 p.

B. Peer Reviewed Articles

1. Conroy, G.C., and **J.R. Wible**. 1978. Middle ear morphology of *Lemur variegatus*: some implications for primate paleontology. *Folia primatologica*, 29: 81-85.
2. **Wible, J.R.** 1983. The internal carotid artery in early eutherians. *Acta Palaeontologica Polonica*, 28: 281-293.

3. **Wible, J.R.** 1986. Transformations in the extracranial course of the internal carotid artery in mammalian phylogeny. *Journal of Vertebrate Paleontology*, 6(4): 313-325.
4. **Wible, J.R.**, and H.H. Covert. 1987. Primates: cladistic diagnosis and relationships. *Journal of Human Evolution*, 16: 1-22.
5. **Wible, J.R.** 1987. The eutherian stapedia artery: character analysis and implications for superordinal relationships. *Zoological Journal of the Linnean Society*, 91: 107-135.
6. **Wible, J.R.**, and M.J. Novacek. 1988. Cranial evidence for the monophyletic origin of bats. *American Museum Novitates*, 2911: 1-19.
7. **Wible, J.R.** 1989. Vessels on the side wall of the braincase in cynodonts and primitive mammals. *Fortschritte Zoologie*, 35: 406-408.
8. **Wible, J.R.**, D. Miao, and J.A. Hopson. 1990. The septomaxilla of fossil and Recent synapsids and the problem of the septomaxilla of monotremes and armadillos. *Zoological Journal of the Linnean Society*, 98: 203-228.
9. **Wible, J.R.** 1990. Late Cretaceous marsupial petrosal bones from North America and a cladistic analysis of the petrosal in therian mammals. *Journal of Vertebrate Paleontology*, 10(2): 183-205.
10. **Wible, J.R.** 1991. Origin of Mammalia: the craniodental evidence reexamined. *Journal of Vertebrate Paleontology*, 11: 1-28.
11. Bhatnagar, K.P., I.H. Fentie, and **J.R. Wible**. 1992. Are the mandibular lateral incisors of the hairy-legged vampire bat, *Diphylla ecaudata*, really seven-lobed? *Mammalia*, 56: 67-72.
12. **Wible, J.R.** 1992. Further examination of the basicranial anatomy of the Megachiroptera: A reply to A. J. King. *Acta Anatomica*, 143: 309-316.
13. Rougier, G.W., **J.R. Wible**, and J.A. Hopson. 1992. Reconstruction of the cranial vessels in the Early Cretaceous mammal *Vincelestes neuquenianus*: implications for the evolution of the mammalian cranial vascular system. *Journal of Vertebrate Paleontology*, 12(2): 188-216.
14. Zeller, U., **J.R. Wible**, and M. Elsner. 1993. New ontogenetic evidence on the septomaxilla of *Tamandua* and *Choloepus* (Mammalia, Xenarthra), with a reevaluation of the homologies of the mammalian septomaxilla. *Journal of Mammalian Evolution*, 1: 31-46.
15. **Wible, J.R.**, and J.A. Hopson. 1993. Basicranial evidence for early mammal phylogeny. Pp. 45-62, in *Mammal Phylogeny: Mesozoic Differentiation, Multituberculates, Monotremes, Early Therians, and Marsupials* (F.S. Szalay, M.J. Novacek, and M.C. McKenna, eds.). Springer Verlag, New York.
16. **Wible, J.R.** 1993. Cranial circulation and relationships of the colugo *Cynocephalus* (Dermoptera, Mammalia). *American Museum Novitates*, 3072: 1-27.

17. **Wible, J.R.**, and J.R. Martin. 1993. Ontogeny of the tympanic floor and roof in archontans. Pp. 111-148, in *Primates and Their Relatives in Phylogenetic Perspective* (R.D.E. MacPhee, ed.). Plenum Press, New York.
18. Bhatnagar, K.P., and **J.R. Wible**. 1994. Observations on the vomeronasal organ of the colugo *Cynocephalus* (Dermoptera, Mammalia). *Acta Anatomica*, 151: 43-48.
19. **Wible, J.R.**, and U. Zeller. 1994. Cranial circulation of the pen-tailed tree shrew *Ptilocercus lowii* and relationships of Scandentia. *Journal of Mammalian Evolution*, 2: 209-230.
20. **Wible, J.R.**, and J.A. Hopson. 1995. Homologies of the prootic canal in mammals and non-mammalian cynodonts. *Journal of Vertebrate Paleontology*, 15(3): 331-356.
21. **Wible, J.R.**, G.W. Rougier, M.J. Novacek, M.C., McKenna, and D. Dashzeveg. 1995. A mammalian petrosal from the Early Cretaceous of Mongolia: implications for the evolution of the ear region and mammalian interrelationships. *American Museum Novitates*, 3149: 1-19.
22. Gaudin, T.J., **J.R. Wible**, J.A. Hopson, and W.D. Turnbull. 1996. Reexamination of the morphological evidence for the Cohort Epitheria (Mammalia, Eutheria). *Journal of Mammalian Evolution*, 3: 31-79.
23. Rougier, G.W., **J.R. Wible**, and M.J. Novacek. 1996. Multituberculate phylogeny. *Nature*, 379: 406.
24. Bhatnagar, K.P., **J.R. Wible**, and K.B. Karim. 1996. Development of the vomeronasal organ in *Rousettus leschenaulti* (Megachiroptera, Pteropodidae). *Journal of Anatomy*, 188: 129-135.
25. Rougier, G.W., **J.R. Wible**, and J.A. Hopson. 1996. Basicranial anatomy of *Priacodon fruitaensis* (Triconodontidae, Mammalia) from the Late Jurassic of Colorado, and a reappraisal of mammaliaforms interrelationships. *American Museum Novitates*, 3183: 1-38.
26. Rougier, G.W., **J.R. Wible**, and M.J. Novacek. 1996. Middle-ear ossicles of the multituberculate *Kryptobaatar* from the Mongolian Late Cretaceous: implications for the mammalian relationships and the evolution of the auditory apparatus. *American Museum Novitates*, 3187: 1-43.
27. **Wible, J.R.**, and K.P. Bhatnagar. 1996. Chiropteran vomeronasal complex and the interfamilial relationships of bats. *Journal of Mammalian Evolution*, 3: 285-314.
28. Novacek, M.J., G.W. Rougier, **J.R. Wible**, M.C. McKenna, D. Dashzeveg, and I. Horovitz. 1997. Epipubic bones in eutherian mammals from the Late Cretaceous of Mongolia. *Nature*, 389: 483-486.
29. Cifelli, R.L., **J.R. Wible**, and F.A. Jenkins, Jr. 1998. Triconodont mammals from the Cloverly Formation (Lower Cretaceous), Montana and Wyoming. *Journal of Vertebrate Paleontology*, 18: 237-241.

30. Rougier, G.W., **J.R. Wible**, and M.J. Novacek. 1998. New specimens of *Deltatheridium*, implications for the early history of marsupials. *Nature*, 396: 459-463.
31. Gaudin, T.J., and **J.R. Wible**. 1999. The entotympanic of pangolins and the phylogeny of Pholidota (Mammalia). *Journal of Mammalian Evolution*, 6: 39-65.
32. **Wible, J.R.**, and G.W. Rougier. 2000. Cranial anatomy of *Kryptobaatar dashzevegi* (Multituberculata, Mammalia) from the Mongolian Late Cretaceous, and its bearing on the evolution of mammalian characters. *Bulletin of the American Museum of Natural History*, 247: 1-124.
33. **Wible, J.R.**, and D.L. Davis. 2000. Ontogeny of the chiropteran basicranium, with reference to the Indian false vampire bat *Megaderma lyra*. Pp. 214-246, in *Ontogeny, Functional Ecology and Evolution of Bats* (R. A. Adams and S. C. Pedersen, eds.). Cambridge University Press, New York.
34. **Wible, J.R.**, G.W. Rougier, M.C. McKenna, and M.J. Novacek. 2001. Earliest eutherian ear region: a petrosal referred to *Prokennalestes* from the Early Cretaceous of Mongolia. *American Museum Novitates*, 3322: 1-44.
35. Bhatnagar, K.P., T.D. Smith, A. Krishna, U.P. Singh, and **J.R. Wible**. 2001. The vesperilionid vomeronasal organ: an investigation on the VNO of *Scotophilus* (Chiroptera, Vesperilionidae). *Acta Chiropterologica*, 3: 119-128.
36. Rougier, G.W., M.J. Novacek, M.C. McKenna, and **J.R. Wible**. 2001. Gobiconodonts from the Early Cretaceous of Oshih (Aisle), Mongolia. *American Museum Novitates*, 3348: 1-30.
37. Sánchez-Villagra, M.R., and **J.R. Wible**. 2002. Patterns of evolutionary transformation in the petrosal bone and some basicranial features in marsupial mammals, with special reference to didelphids. *Journal of Zoological Systematics and Evolutionary Research*, 40: 26-45.
38. Ji, Q., Z.-X. Luo, C.-X. Yuan, **J.R. Wible**, J.-P. Zhang, and J.A. Georgi. 2002. The earliest eutherian mammal. *Nature*, 416: 816-822.
39. **Wible, J.R.** 2003. On the cranial osteology of the short-tailed opossum *Monodelphis breviceaudata* (Didelphidae, Marsupialia). *Annals of Carnegie Museum*, 72(3): 137-202.
40. Luo, Z.-X., Q. Ji, **J.R. Wible**, and C.-X. Yuan. 2003. A new tribosphenic mammal with implications for early metatherian evolution. *Science*, 302: 1934-1940.
41. **Wible, J.R.**, M.J. Novacek, and G.W. Rougier. 2004. New data on the skull and dentition of the Mongolian Cretaceous eutherian mammal *Zalambdalestes*. *Bulletin of the American Museum Natural History*, 281: 1-144.
42. Göbbel, L., M.S. Fisher, T.D. Smith, **J.R. Wible**, and K.P. Bhatnagar. 2004. The

vomeronasal organ and associated structures of fetal *Loxodonta africana* (Proboscidea, Elephantidae). *Acta Zoologica*, 85: 41-52.

43. **Wible, J.R.**, and T.J. Gaudin. 2004. On the cranial osteology of the yellow armadillo *Euphractus sexcinctus* (Dasypodidae, Xenarthra, Placentalia). *Annals of Carnegie Museum*, 73: 117-196.
44. Rougier, G.W., **J.R. Wible**, and M.J. Novacek. 2004. New specimen of *Deltatheroides cretacicus* (Metatheria, Deltatheriidae) from the Late Cretaceous of Mongolia. *In* Fanfare for an Uncommon Paleontologist: Papers in Honor of Malcolm C. McKenna (M.R. Dawson, and J.A. Lillegraven, eds.). *Bulletin of Carnegie Museum of Natural History*, 36: 245-266.
45. **Wible, J.R.**, G.W. Rougier, and M.J. Novacek. 2005. Anatomical evidence for superordinal/ordinal eutherian taxa in the Cretaceous. Pp. 15-36, *in* The Rise of Placental Mammals: Origins and Relationships of the Major Extant Clades (K.D. Rose and J.D. Archibald, eds.). Johns Hopkins University Press, Baltimore.
46. Asher, R.J., J. Meng, **J.R. Wible**, M.C. McKenna, G.W. Rougier, D. Dashzeveg, and M.J. Novacek. 2005. Stem Lagomorpha and the antiquity of Glires. *Science*, 307(5712): 1091-1094.
47. Luo, Z.-X., and **J.R. Wible**. 2005. A Late Jurassic digging mammal and early mammalian diversification. *Science*, 308: 103-107.
48. **Wible, J.R.**, Y.-Q. Wang, C.-K. Li, and M.R. Dawson. 2005. Cranial anatomy and relationships of a new ctenodactyloid (Mammalia, Rodentia) from the early Eocene of Hubei Province, China. *Annals of Carnegie Museum*, 74: 91-150.
49. Giannini, N.P., **J.R. Wible**, and N.B. Simmons. 2006. On the cranial osteology of Chiroptera. I. *Pteropus* (Megachiroptera: Pteropodidae). *Bulletin of the American Museum of Natural History*, 295: 1-134.
50. Gaudin, T.J., and **J.R. Wible**. 2006. The phylogeny of the living and extinct armadillos (Mammalia, Xenarthra, Cingulata): a craniodental analysis. Pp. 153-198, *in* Amniote Paleobiology: Perspectives on the Evolution of Mammals, Birds, and Reptiles (M.T. Carrano, T.J. Gaudin, R.W. Blob, and J.R. Wible, eds.). University of Chicago Press, Chicago.
51. Rougier, G.W., and **J.R. Wible**. 2006. Major changes in the mammalian ear region and basicranium. Pp. 269-311, *in* Amniote Paleobiology: Perspectives on the Evolution of Mammals, Birds, and Reptiles (M.T. Carrano, T.J. Gaudin, R.W. Blob, and J.R. Wible, eds.). University of Chicago Press, Chicago.
52. Bhatnagar, K.P., T.D. Smith, A. Rodriguez-Duran, and **J.R. Wible**. 2006. Observations on the vomeronasal organ in *Pteronotus macleayii* and *Pteronotus quadridens* (Chiroptera: Mormoopidae). *Mammalia*, 70:288-292.

53. **Wible, J.R.**, G.W. Rougier, M.J. Novacek, and R.J. Asher. 2007. Cretaceous eutherians and Laurasian origin for placental mammals near the K-T boundary. *Nature*, 447(7147):1003-1006.
54. **Wible, J.R.** 2007. On the cranial osteology of the Lagomorpha. *In* *Mammalian Paleontology on a Global Stage: Papers in Honor of Mary R. Dawson* (K.C. Beard and Z.-X. Luo, eds.). *Bulletin of Carnegie Museum of Natural History*, 39: 213-234.
55. **Wible, J.R.** 2008. On the cranial osteology of the Hispaniolan solenodon, *Solenodon paradoxus* Brandt, 1833 (Mammalia, Lipotyphla, Solenodontidae). *Annals of Carnegie Museum*, 77(3): 321-402.
56. Ruf, I., Z.-X. Luo, **J.R. Wible**, and T. Martin. 2009. Petrosal anatomy and inner ear structures of the Late Jurassic *Henkelotherium* (Mammalia, Cladotheria, Dryolestoidea): insight into the early evolution of the ear region in cladotherian mammals. *Journal of Anatomy*, 214: 679-693.
57. **Wible, J.R.** 2009. The ear region of the pen-tailed treeshrew, *Ptilocercus lowii* Gray, 1848 (Placentalia, Scandentia, Ptilocercidae). *Journal of Mammalian Evolution*, 16(3): 199-234.
58. **Wible, J.R.**, G.W. Rougier, M.J. Novacek, and R.J. Asher. 2009. The eutherian mammal *Maelestes gobiensis* from the Late Cretaceous of Mongolia and the phylogeny of Cretaceous Eutheria. *Bulletin of the American Museum of Natural History*, 327: 1-123.
59. Gaudin, T.J., R.J. Emry, and **J.R. Wible**. 2009. The phylogeny of living and extinct pangolins (Mammalia, Pholidota) and associated taxa: a morphology based analysis. *Journal of Mammalian Evolution*. 16(4): 235-305.
60. **Wible, J.R.** 2010. Petrosal anatomy of the nine-banded armadillo, *Dasypus novemcinctus* Linnaeus, 1758 (Mammalia, Xenarthra, Dasypodidae). *Annals of Carnegie Museum*, 79(1): 1-28.
61. **Wible, J.R.** 2010. On the hyoid apparatus and larynx of the Hispaniolan solenodon, *Solenodon paradoxus* Brandt, 1833 (Mammalia, Lipotyphla, Solenodontidae). *Annals of Carnegie Museum*, 79(1): 29-38.
62. **Wible, J.R.** 2011. On the treeshrew skull (Mammalia, Placentalia, Scandentia). *Annals of Carnegie Museum*, 79(3): 149-230.
63. **Wible, J.R.** 2012. The ear region of the aardvark *Orycteropus afer* Pallas, 1766 (Mammalia, Afrotheria, Tubulidentata). *Annals of Carnegie Museum*, 80(2): 115-146. doi: <http://dx.doi.org/10.2992/007.080.0202>
64. Rougier, G.W., **J.R. Wible**, R.M.D. Beck, and S. Apesteguía. 2012. The Miocene mammal *Necrolestes* demonstrates survival of a Mesozoic non-therian lineage into the late Cenozoic of South America. *Proceedings of the National Academy of Sciences USA*, 109(49):20053-20058. doi: 10.1073/pnas.1212997109

65. **Wible, J.R.**, and M. Spaulding. 2012. Reexamination of the *Carnivora malleus* (Mammalia, Placentalia). *PloS ONE*, 7(11): e50485. doi:10.1371/journal.pone.0050485
66. Giannini, N., T.E. Macrini, **J.R. Wible**, T.B. Rowe, and N.B. Simmons. 2012. The internal nasal skeleton of the bat *Pteropus lylei* K. Andersen, 1908 (Chiroptera: Pteropodidae). *Annals of Carnegie Museum*, 81(1):1-18. doi: <http://dx.doi.org/10.2992/007.081.0101>
67. O'Leary, M.A., J.I. Bloch, J.J. Flynn, T.J. Gaudin, A. Giallombardo, N.P. Giannini, S.L. Goldberg, B.P. Kraatz, Z.-X. Luo, J. Meng, X. Ni, M.J. Novacek, F.A. Perini, Z. Randall, G.W. Rougier, E.J. Sargis, M.T. Silcox, N.B. Simmons, M. Spaulding, P.M. Velazco, M. Weksler, **J.R. Wible**, and A.L. Cirranello. 2013. The placental mammal ancestor and the post-KPg radiation of placentals. *Science*, 339(6120):662-667. doi: 10.1126/science.1229237
68. O'Leary, M.A., J.I. Bloch, J.J. Flynn, T.J. Gaudin, A. Giallombardo, N.P. Giannini, S.L. Goldberg, B.P. Kraatz, Z.-X. Luo, J. Meng, X. Ni, M.J. Novacek, F.A. Perini, Z. Randall, G.W. Rougier, E.J. Sargis, M.T. Silcox, N.B. Simmons, M. Spaulding, P.M. Velazco, M. Weksler, **J.R. Wible**, and A.L. Cirranello. 2013. Response to Comment on "The placental mammal ancestor and the post-KPg radiation of placentals." *Science*, 341(6146):613. doi: 10.1126/science.1238162
69. **Wible, J.R.**, and M. Spaulding. 2013. On the cranial osteology of the African palm civet, *Nandinia binotata* (Gray, 1830) (Mammalia, Carnivora, Feliformia). *Annals of Carnegie Museum*, 82(1):1-114.
70. Krause, D.W., S. Hoffmann, **J.R. Wible**, E.C. Kirk, J.A. Schultz, W.v. Koenigswald, J.R. Groenke1, J.B. Rossie, P.M. O'Connor, E. Seiffert, E.R. Dumont, W.L. Holloway, R.R. Rogers, L.J. Rahantarisoa, A.D. Kemp, and H. Andriamialison. First cranial remains of gondwanatherian mammal reveal striking mosaicism. *Nature* (in review).
71. Krause, D.W., **J.R. Wible**, S. Hoffmann, J.R. Groenke, P.M. O'Connor, and W.L. Holloway. 2014. Craniofacial morphology of *Vintana sertichi* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. Pp. XX–XX in D.W. Krause (ed.), *Vintana sertichi* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. Society of Vertebrate Paleontology Memoir XX. *Journal of Vertebrate Paleontology* XX (X, Supplement) (in review).
72. Hoffmann, S., P.M. O'Connor, E.C. Kirk, **J.R. Wible**, and D.W. Krause. 2014. Endocranial and inner ear morphology of *Vintana sertichi* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. Pp. XX–XX in D.W. Krause (ed.), *Vintana sertichi* (Mammalia, Gondwanatheria) from the Late Cretaceous of Madagascar. Society of Vertebrate Paleontology Memoir XX. *Journal of Vertebrate Paleontology* XX (X, Supplement) (in review).

C. Book Reviews

1. **Wible, J.R.** 1988. Review of "Morphogenesis of the Mammalian Skull." edited by H.-J. Kuhn and U. Zeller. *International Journal of Primatology*, 9: 79-81.

2. **Wible, J.R.**, and J.A. Hopson. 1989. Review of "The Phylogeny and Classification of the Tetrapods. Volume 2: Mammals." edited by M.J. Benton. *Journal of Vertebrate Paleontology*, 9: 237-238.

D. Published Abstracts

1. **Wible, J.R.** 1980. The primitive course of the mammalian internal carotid artery. *American Journal of Physical Anthropology*, 52: 292-293.
2. **Wible, J.R.** 1984. Ontogenetic and phylogenetic changes in the cranial arterial pattern of eutherian mammals. *Anatomical Record*, 208: 194A.
3. Cartmill, M., and **J.R. Wible**. 1986. Tarsier affinities: the otic evidence reexamined. *American Journal of Physical Anthropology*, 69: 186.
4. **Wible, J.R.** 1989. Differences in the petrosal bone among the major groups of Mesozoic and Recent mammals. *Journal of Vertebrate Paleontology*, 9, supplement to No. 3: 44A.
5. MacPhee, R.D.E., **J.R. Wible**, and M. Cartmill. 1989. Basicranial morphology as a guide to the interrelationships of archontan mammals. *Annales Societe Royale Zoologique Belgique*, 119: 48.
6. **Wible, J.R.**, and J.A. Hopson. 1990. Interrelationships of Recent mammals and Mesozoic relatives: the basicranial evidence *Journal of Vertebrate Paleontology*, 10, supplement to No. 3: 48A.
7. Rougier, G.W., **J.R. Wible**, and J.A. Hopson. 1991. The cranial vascular system of the Early Cretaceous mammal *Vincelestes neuquenianus*. *Journal of Vertebrate Paleontology*, 11, supplement to No. 3: 53A.
8. Rougier, G.W., **J.R. Wible**, and J.A. Hopson. 1991. Reconstuccion arterial y venosa del craneo de *Vincelestes neuquenianus* (Mammalia, Theria); implicancias en la evolucion vascular del craneo mamaliano. *Ameghiniana*, 28: 412.
9. **Wible, J.R.** 1993. The Superorder Archonta: morphological and molecular evidence for the interrelationships of Primates, Scandentia, Chiroptera, and Dermoptera. *Zeitschrift für Säugetierkunde*, 58 (Sonderheft): 77.
10. **Wible, J.R.**, U. Zeller, and M. Elsner. 1993. Do xenarthrans have a septomaxilla? *Journal of Vertebrate Paleontology*, 13, supplement to No. 3: 62A.
11. Hopson, J.A., and **J.R. Wible**. 1993. Cranial vascular patterns in Multituberculata: the postglenoid foramen that wasn't there. *Journal of Vertebrate Paleontology*, 13, supplement to No. 3: 42A.
12. **Wible, J.R.**, and J.A. Hopson. 1994. Homologies of the prootic canal in mammals and non-mammalian cynodonts. *Journal of Vertebrate Paleontology*, 14, supplement to No. 3: 52A.

13. **Wible, J.R.**, and K.P. Bhatnagar. 1995. The vomeronasal organ in bats: a phylogenetic perspective. Tenth International Bat Research Conference, Boston. *Bat Research News*, 36 (4): 125.
14. Gaudin, T.J., **J.R. Wible**, J.A. Hopson, and W.D. Turnbull. 1995. Cohort Epitheria (Mammalia, Eutheria): the morphological evidence reexamined. *Journal of Vertebrate Paleontology*, 15, supplement to No. 3: 31A.
15. Rougier, G.W., **J.R. Wible**, M.J. Novacek, M.C. McKenna, and D. Dashzeveg. 1995. A mammalian petrosal from the Early Cretaceous of Mongolia: mammalian morph interrelationships from ear region characters. *Journal of Vertebrate Paleontology*, 15, supplement to No. 3: 50A.
16. **Wible, J.R.**, G.W. Rougier, M.J. Novacek, and D. Dashzeveg. 1996. Multituberculate relationships: new evidence from the skull of *Kryptobaatar dashzevegi* from the Mongolian Late Cretaceous. *Journal of Vertebrate Paleontology*, 16, supplement to No. 3: 73A.
17. Cifelli, R.L., W.D. Turnbull, **J.R. Wible**, and S.K. Madsen. 1997. North American Cretaceous triconodonts. *Journal of Vertebrate Paleontology*, 17, supplement to No. 3: 38A.
18. Gaudin, T.J., and **J.R. Wible**. 1997. The entotympanic of pangolins and the phylogeny of Pholidota (Mammalia). *Journal of Vertebrate Paleontology*, 17, supplement to No. 3: 48A.
19. Rougier, G.W., **J.R. Wible**, and M.J. Novacek. 1997. Nasal and endocranial morphology of Late Cretaceous multituberculates from Ukhaa Tolgod, Mongolia. *Journal of Vertebrate Paleontology*, 17, supplement to No. 3: 72A.
20. **Wible, J.R.**, G.W. Rougier, M.C. McKenna, and M.J. Novacek. 1997. Earliest eutherian ear region: a petrosal of *?Prokennalestes* from the Early Cretaceous of Khoobur, Mongolia. *Journal of Vertebrate Paleontology*, 17, supplement to No. 3: 84A.
21. Rougier, G.W., **J.R. Wible**, and M.J. Novacek. 1998. The systematic position of *Deltatheridium* and the early diversification of tribosphenic mammals. *Journal of Vertebrate Paleontology*, 18, supplement to No. 3: 73A.
22. **Wible, J.R.**, M.J. Novacek, G.W. Rougier, and M.C. McKenna. 1998. New data on the skull structure in the Mongolian Late Cretaceous eutherian mammal *Zalambdalestes*. *Journal of Vertebrate Paleontology*, 18, supplement to No. 3: 86A.
23. **Wible, J.R.**, and D.L. Davis. 1998. Ontogeny of the basicranium in the Indian false vampire bat *Megaderma lyra*. *Bat Research News*, 39 (4): 192.
24. Hopson, J.A., G.F. Engelmann, G.W. Rougier, and **J.R. Wible**. 1999. Skull of a paurodontid mammal (Holotheria, Dryolestoidae) from the Late Jurassic of Colorado. *Journal of Vertebrate Paleontology*, 19, supplement to No. 3: 52A-53A.

25. Novacek, M.J., G.W. Rougier, and **J.R. Wible**. 2001. The Cretaceous mammals from Mongolia and their bearing on eutherian relationships. *Journal of Morphology*, 248: 267–268.
26. Rougier, G.W., **J.R. Wible**, and M.J. Novacek. 2001. New specimens of *Deltatheridium*: their bearing on basal metatherian phylogeny. *Journal of Morphology*, 248: 277.
27. **Wible, J.R.**, G.W. Rougier, and M.J. Novacek. 2001. The evolution of the therian basicranium: new evidence from the Cretaceous of Mongolia. *Journal of Morphology*, 248: 300.
28. Gaudin, T.J., and **J.R. Wible**. 2001. The phylogeny of living and extinct armadillos (Mammalia, Xenarthra): a craniodontal analysis. *Journal of Vertebrate Paleontology*, 21, supplement to No. 3: 53A.
29. Novacek, M.J., G.W. Rougier, and **J.R. Wible**. 2002. Overview of evidence for superordinal/ordinal eutherian taxa and timing of their diversification. *Journal of Vertebrate Paleontology*, 22, supplement to No. 3: 93A.
30. Luo, Z.-X., **J.R. Wible**, Q. Ji, and C.-X. Yuan. 2004. Morphological divergences and earliest evolution of marsupial and placental mammals. *Journal of Vertebrate Paleontology*, 24, supplement to No. 3: 86A.
31. Luo, Z.-X., and **J.R. Wible**. 2005. Convergent evolution of myrmecophagan and fossorial adaptations of *Fruitafossor* and ecomorphological diversification of mammals of the Late Jurassic and Early Cretaceous. *Journal of Vertebrate Paleontology*, 25, supplement to No. 3: 85A-86A.
32. Ruf, I., Z.-X. Luo, T. Martin, and **J.R. Wible**. 2007. CT scanning investigation of the petrosal bone and the inner ear of *Henkelotherium guimarotae* (Paurodontidae, Dryolestoidea). *Journal of Vertebrate Paleontology*, 27, supplement to No. 3: 137A.
33. Novacek, M.J., and **ATOL Mammal Morphology Team**. 2008. A team-based approach yields a new matrix of 4,500 morphological characters for mammalian phylogeny. *Journal of Vertebrate Paleontology*, 28, supplement to No. 3: 121A.
34. Giallombardo, A., and **ATOL Mammal Morphology Team**. 2010. Postcanine tooth homologies in Mammalia. *Journal of Vertebrate Paleontology*, 30, supplement to No. 3: 96A.
35. **Wible, J.R.** 2011. Mesozoic therians and the origins of the Cenozoic and modern faunas. *Ameghiniana* 48(4) Suplemento 2011 Resúmenes: R115.

E. Invited Seminars (Since 1989)

1989 Evolutionary Morphology Seminar Series, University of Chicago
 Department of Anthropology, University of Toronto
 Department of Biology, San Diego State University

- 1990 Department of Anatomical Sciences and Neurobiology, University of Louisville
International Symposium on Mammal Phylogeny, American Museum of Natural History, New York
Zoologisches Institut, Universität Tübingen, Germany
- 1991 Evolutionary Morphology Seminar Series, University of Chicago
Paleontologisk Museum, University of Oslo, Norway
Zoologisches Institut, Universität Tübingen, Germany
- 1992 Department of Anatomy, University of Wales College of Cardiff, United Kingdom
- 1993 Science Teaching Enhancement Award Program, University of Louisville
- 1994 Department of Anatomical Sciences and Neurobiology, University of Louisville
- 1995 Department of Biological Anthropology and Anatomy, Duke University
Department of Cell Biology and Anatomy, Johns Hopkins University
- 1996 Department of Biology, University of Massachusetts, Amherst
Division of Otolaryngology, University of Louisville
- 1998 Carnegie Museum of Natural History, Pittsburgh
- 2006 Department of Anatomical Sciences, Stony Brook University
- 2010 Plenary Lecture, IV Latinamerican Congress of Vertebrate Paleontology, San Juan, Argentina
- 2012 Moriarty Seminar, Carnegie Museum of Natural History
- 2013 Moriarty Seminar, Carnegie Museum of Natural History

F. Oral Presentations at Meetings (Since 1989)

- 1990 Society of Vertebrate Paleontology, Lawrence, KS
- 1991 Society of Vertebrate Paleontology, San Diego, CA
- 1993 Society of Vertebrate Paleontology, Albuquerque, NM
- 1994 Society of Vertebrate Paleontology, Seattle, WA
- 1995 International Bat Research Conference, Boston, MA
- 1995 Society of Vertebrate Paleontology, Pittsburgh, PA
- 1996 Society of Vertebrate Paleontology, New York, NY
- 1997 Society of Vertebrate Paleontology, Chicago, IL
- 1998 Society of Vertebrate Paleontology, Salt Lake City, UT
- 1999 American Society of Mammalogists, Seattle, WA
- 2002 Society of Vertebrate Paleontology, Norman, OK
- 2010 IV Latinamerican Congress of Vertebrate Paleontology, San Juan, Argentina

G. Poster Presentations at Meetings

- 1998 North American Bat Research Conference, Hot Springs, AR

8) Carnegie Museum of Natural History (CMNH)/Carnegie Institute (CMP) Committees

- 1999 CMNH Netting/O'Neil Grant Review Committee
Chair, CMNH Search Committee for Managing Editor of Scientific Publications
CMNH Search Committee for Curatorial Position in Invertebrate Zoology
CMNH Representative on the CI President's Communication Team
CMNH Mission Statement Committee
CMNH Space Planning Committee
CMNH Scientific Publications Editorial Board

- 2000 CMNH Interim Director Team
 CMNH Space Planning Committee
 Chair, CMNH Curatorial Promotion Committee for Chris Beard
 Chair, CMNH Curatorial Promotion Committee for Brad Livezey
 CMNH Search Committee for Chair of Division of Education
 CMNH Scientific Publications Editorial Board
- 2001 Chair, CMNH Netting/O'Neil Grant Review Committee
 Chair, CMNH Search Committee for Curatorial Position in Botany
 CMNH Space Planning Committee
 CMNH Scientific Publications Editorial Board
 CMNH Scientific Coordinator for BioBlitz 2001 in Schenley Park
- 2002 Chair, CMNH Netting/O'Neil Grant Review Committee
 Chair, CMNH Search Committee for Curatorial Position in Invertebrate Paleontology
 Chair, CMNH Search Committee for Associate Director for Research and Collections
 Chair, CMNH Search Committee for Director of Powdermill Nature Reserve
 CMNH Search Committee for Curatorial Position in Vertebrate Paleontology
 (Dinosaurs)
 CMNH Search Committee for Chair of Division of Education
 Chair, CMNH Data Management Task Force
 CMNH Science Task Force
 CMNH Budget Reduction Committee
 CMNH Scientific Publications Editorial Board
- 2003 CMNH Science Task Force
 CMNH Strategic Planning - Education Committee
 CMNH Scientific Publications Editorial Board
- 2004 Chair, CMNH Search Committee for Managing Editor of Scientific Publications
 CMNH Search Committee for Curatorial Position in Vertebrate Paleontology
 (Dinosaurs)
 CMNH Scientific Publications Editorial Board, Senior Editor
- 2005 CMNH Scientific Publications Editorial Board, Senior Editor
 CMNH Space Task Force
 CMNH Budget Task Force
- 2006 CMNH Scientific Publications Editorial Board, Senior Editor
 CMNH Biodiversity Exhibit Planning Committee, Co-Convener
 CMNH Curatorial Liaison for AAM Accreditation
- 2007 CMNH Scientific Publications Editorial Board, Senior Editor
 CMNH Biodiversity Exhibit Planning Committee, Co-Convener
 CMNH Curatorial Liaison for AAM Accreditation
 CMNH O'Neil Grant Review Committee

- 2008 CMNH Scientific Publications Editorial Board, Senior Editor
- 2009 CMNH Scientific Publications Editorial Board, Senior Editor
CMNH O'Neil Grant Review Committee
Chair, CMNH Rea Postdoctoral Fellow Selection Committee
CMP Assessment of Public Programming Task Force
- 2010 CMNH Scientific Publications Editorial Board, Senior Editor
CMP International and National Audiences Task Force
- 2011 CMNH Scientific Publications Editorial Board, Senior Editor
CMNH Promotion Review Committee
- 2012 CMNH Scientific Publications Editorial Board, Senior Editor
CMNH Search Committee for Curatorial Position in Vertebrate Paleontology
CMNH Library Committee
- 2013 CMNH Scientific Publications Editorial Board, Senior Editor
CMNH Library Committee