

CURRICULUM VITAE

Kenneth D. Rose

Professor Emeritus, Center for Functional Anatomy and Evolution, The Johns Hopkins University School of Medicine, Baltimore, Maryland 21205;
Joint Appointment in Earth and Planetary Sciences, Krieger School of Arts and Sciences, Johns Hopkins University
Research Associate, National Museum of Natural History, Smithsonian Institution, Washington, DC 20560;
Carnegie Museum of Natural History, Pittsburgh, PA 15213; Denver Museum of Nature and Science, Denver, CO 80205

Born: Newark, New Jersey, 21 June, 1949

Education:

West Orange High School, West Orange, NJ (valedictorian)
Yale University: B.S., Magna cum laude, 1972; Honors with Exceptional Distinction in Geology and Geophysics (Paleobiology)
Harvard University: M.A. 1974, in Geology (Vertebrate Paleontology)
University of Michigan: Ph.D. 1979, in Geology (Vertebrate Paleontology)

Honors and Awards:

Yale National Scholar, Yale University (1967-1972)
Belknap Prize in Natural Sciences, Yale University (1972)
Rackham Predoctoral Fellowship, University of Michigan (1977-8)
E.C. Case Award in Paleontology, University of Michigan (1977)
Shadle Fellowship of the American Society of Mammalogists (1978)
Student Paper Award, Paleontological Society North-Central Section (1978)
Honorable Mention, Romer Prize Competition, Society of Vertebrate Paleontology (1979)
Smithsonian Postdoctoral Fellowship in the Department of Paleobiology, National Museum of Natural History, Smithsonian Institution (1979-80)
Langston Lecturer, Department of Geological Sciences, University of Texas (1988)
Alexander von Humboldt Forschungspreis (Research Award), University of Bonn, Germany (2003-04)
Corresponding Member, Paläontologische Gesellschaft (2007)
Honorary Member, Society of Vertebrate Paleontology (2022)

Research and Teaching Experience:

Teaching Fellow in Biology (vertebrate paleontology), Harvard University, 1973; curatorial assistant in entomology (MCZ, Harvard), 1974-5
Research Assistant, Museum of Paleontology, University of Michigan, 1975-6, 1976-7, 1978-9 (curatorial assistant in vertebrate paleontology)
Seminars and lectures in paleontology, geology, and mammalogy at the University of Michigan
Original research on early Cenozoic mammals undertaken while an undergraduate at Yale and a graduate student at Harvard and the University of Michigan
Assistant Professor of Cell Biology and Anatomy, The Johns Hopkins University School of Medicine (1980-1985); Associate Professor (1985-1990); Professor (1990-present); teaching duties include lectures and laboratory in Human Gross Anatomy (Acting Course Director 1986-1987; Course Director 1989-1993); graduate courses: Diversity, Structure, and Evolution of Mammals; Techniques in Paleontology; Primate Evolution; Evolutionary Theory; undergraduate courses in mammalian evolution, skeletal biology; JHUSOM Summer Anatomy Institute, 2001-present.
Adjunct Professor of Biology, The Johns Hopkins University, 2006-2011.
Invited Visiting Scientist, Academia Sinica (IVPP), Beijing, May 1985
Short Course Lecturer, Evolutionary Adaptations of Mammals, Denver Museum of Natural History, 1996

Membership in Scientific Organizations:

American Association of Physical Anthropologists
American Society of Mammalogists
The Paleontological Society
Paläontologische Gesellschaft
Society of Sigma Xi
Society for the Study of Mammalian Evolution
Society of Vertebrate Paleontology

Appointments:

Department of Cell Biology and Anatomy—chairman faculty search committees, 1985, 1986, 1995;
Director, Functional Anatomy and Evolution graduate program, Center for Functional Anatomy
and Evolution (2000-2012)
The Johns Hopkins University School of Medicine Committee on Educational Policy and Curriculum
(1989-1992), First-Year Medical Curriculum Committee (1991-1992); MA-PhD Committee
(2000-2012)
Society of Vertebrate Paleontology—Patterson Award Committee (1986, 1993-2000; chair in 1986,
1993-1995); Romer Prize Committee (acting member, 1985); Romer-Simpson Medal
Committee (1997-2001); Liaison to AGI Geosciences Advocacy Program, 1991-1993;
Editorial Search Committee (Chair, 1995); SVP Executive Committee Member-at-Large (elected
position), 1999-2002.
SVP News Bulletin (editor for Johns Hopkins University 1980-1986); Northeast Regional Editor (1985-
1987)
Journal of Vertebrate Paleontology – Co-Editor (1987-1990); Associate Editor (1997-1999)
Research Collaborator, Department of Paleobiology, National Museum of Natural History (1981-1989),
Research Associate (1990-present)
Research Associate, Section of Vertebrate Paleontology, The Carnegie Museum of Natural History
(1990-present)
Editorial Advisory Board, Vertebrate Paleobiology and Paleoanthropology Series, Springer (2006-2009)
Research Associate, Department of Earth Sciences, Denver Museum of Nature & Science (2016-present)

Field Experience:

Member Princeton University expeditions to Fort Union and Willwood formations in Wyoming to
collect Paleocene and Eocene mammals (1968, 1970, 1971)
Member Yale University expedition to Jebel Qatrani Formation in the Fayum Depression of Egypt to
collect Oligocene vertebrates (especially primates) and to curate collections at Cairo Geological
Museum (1968)
Member Yale University expedition to Siwalik Group, north India, to collect Miocene-Pliocene
primates and other fossils (1969)
Member University of Maryland expedition to West Africa to collect recent marine mollusks (1971)
Member Yale University expedition to Willwood Fm. of Wyoming to collect Eocene mammals (1972)
Member University of Wyoming expeditions to Willwood Formation of Wyoming to collect Eocene
mammals (1974, 1975)
Member University of Michigan expeditions to Fort Union and Willwood formations of Wyoming to
document mammalian evolution and biostratigraphy of the Paleocene-Eocene transition (1975,
1976, 1977, 1978, 1979)
Member University of Michigan—Museum National d’Histoire Naturelle (Paris)—Geological Society
of Pakistan expedition in Pakistan to explore early Tertiary strata for fossil vertebrates (1977)
Member Duke University expedition to Jebel Qatrani Formation of Egypt to collect Oligocene
vertebrates (1979)
Co-Director U.S. Geological Survey—Johns Hopkins expedition to Fort Union and Willwood
formations of Wyoming to document evolution and paleobiology of mammals (1980-1995);
Director of Johns Hopkins expedition to Wyoming (1996-present).
Director, Johns Hopkins/Panjab University (India)/Garhwal University (India)/Royal Belgian Institute of
Natural Sciences expedition to Rajasthan and Gujarat, India to search for Paleogene mammals
(2001- present)

Research Interests:

Evolution, systematics, and comparative and functional anatomy of mammals, with particular emphasis on the dentition and limb skeleton in fossil mammals

Origin, adaptive radiation, and paleobiology of the modern orders of mammals

Mammalian faunal composition and species diversity in the fossil record

Mammalian biostratigraphy

Grants:

Sigma Xi grant-in-aid of research (1972): "Carpolestid primates"; \$150

Turner Award for research, University of Michigan, Department of Geological Sciences (1977): "Mammalian evolution across the Paleocene-Eocene boundary"; \$1000

Geological Society of America grant-in-aid of research, with Citation of Outstanding Merit (1977): "Mammalian evolution across the Paleocene-Eocene boundary"; \$625

John J. Hopkins Fund, Johns Hopkins University (1980-81): "Functional anatomy of Early Cenozoic mammals from Wyoming"; \$5365

National Geographic Society research grant (1982-82): "Anatomy and adaptations of early Eocene mammals"; \$9083

American Philosophical Society Penrose Fund (1982-83): "Evolution of fossil tarsier-like primates from Wyoming"; \$1500

National Science Foundation (1983-85): "Anatomy, adaptations, and evolution of early Eocene mammals from the Bighorn Basin, Wyoming"; \$69,742

National Institutes of Health (through Johns Hopkins University) (1984-85): "Anatomy and adaptations of early Eocene mammals"; \$4000

National Science Foundation (1985-88): "Anatomy and evolution of early Eocene mammals from Wyoming"; \$104,984

National Science Foundation (1988-90): "Dissertation research: skeletal anatomy and locomotor adaptations of the early Tertiary Plesiadapiformes"; \$8309 (K.C. Beard, under direction of K.D. Rose)

John J. Hopkins Fund, Johns Hopkins University (1989-90): "Locomotor adaptations in early Eocene mammals from the Bighorn Basin, Wyoming"; \$8690

National Science Foundation (1990-93): "Anatomy and adaptations of Early Eocene mammals from Wyoming"; \$163,826

National Science Foundation (1993-95): "Dissertation research: morphometric and microwear analysis of fossil primates (Adapidae: Notharctinae): the relationship between tooth shape and diet in an evolving clade"; \$10,494 (M.A. O'Leary, under direction of K.D. Rose)

National Science Foundation (1995-99): "Anatomy and adaptations of Early Eocene mammals from Wyoming"; \$201,164

National Science Foundation (1999-00): "Dissertation research: a phylogenetic analysis of the Plesiadapiformes and their relationship to Euprimates and other archontans"; \$10,066 (M.T. Silcox, under direction of K.D. Rose)

John J. Hopkins Fund, Johns Hopkins University (1999-2000): "Effects of global warming on early Eocene mammal faunas"; \$19,978

National Geographic Society research grant (2000-2004): "Exploration of Rajasthan (India) lignites for Paleocene-Eocene terrestrial mammals"; \$15,610

- National Science Foundation (2001-2003): "Collaborative Research: an integrated high-resolution study of the effects of shifting climate on late Paleocene-early Eocene continental ecosystems"; \$19,000
- National Science Foundation (2003-2004): "Dissertation research: paleoecological modeling and the evolution of early Eocene primates in the Bighorn Basin, WY"; \$8,434 (A.C. Chew, under direction of K.D. Rose).
- National Geographic Society research grant (2004-2005): "Early Eocene mammal faunas of the Bighorn Basin, Wyoming: Effects of climate change on faunal turnover," \$16,167
- National Geographic Society research grant (2005-2006): "Early Eocene terrestrial mammals from the western margin of India," \$19,860
- National Science Foundation (2006-2009): "Collaborative Research: Effects of climatic/environmental change on early Eocene mammal fauna of the Bighorn Basin, Wyoming," \$147,185 (A.C. Chew, co-PI)
- National Geographic Society research grant (2008-2009): "Early Eocene continental vertebrates from western India," \$22,245
- National Geographic Society research grant (2010-2011): "Paleocene-Early Eocene continental vertebrates from western India," \$23,331
- National Geographic Society research grant (2011-2012): "Paleocene-Early Eocene continental vertebrates from western India," \$15,000; \$2500 supplement 2012.
- Leakey Foundation grant (2014-2016): "Basal euprimates from the early Eocene of Gujarat, India," \$17,000

BIBLIOGRAPHY

- 1966 Note on *Nostoceras pauper* (Whitfield). *Jersey Sheller* 1(2): 30-31.
- 1967 Fossil *Pleurotomaria* from New Jersey. *Jersey Sheller* 2(2): 5-6.
- 1967 A mosasaur from Monmouth County, New Jersey. *Jersey Sheller* 2(2): 20-22.
- 1970 Search for man's ancestors—a first-hand report of the 1969 Yale expedition to the Siwalik Hills of north India. *Yale Scientific* 44(4): 15-19.
- 1972 A new tillodont from the Eocene upper Willwood Formation of Wyoming. *Postilla* no. 155:1-13.
- 1972 A mollusk new to Lake Birket Qarun, Egypt. *Nautilus* 84(4): 141-143.
- 1973 The mandibular dentition of *Plagiomene* (Dermoptera, Plagiomenidae). *Breviora* no. 411: 1-17.
- 1974 The religious use of *Turbinella pyrum* (Linnaeus), the Indian chank. *Nautilus* 88: 1-5.
- 1975 The Carpolestidae—early Tertiary Primates from North America. *Bull. Mus. Comp. Zool.* 147: 1-74.
- 1975 *Elpidophorus*, the earliest dermopteran (Dermoptera, Plagiomenidae). *J. Mammal.* 56: 676-679.
- 1976 New early Tertiary Primates and reappraisal of some Plesiadapiformes. *Folia Primatol.* 26: 109-138. (T.M. Bown and K.D. Rose).
- 1976 Partial skull of the plesiadapiform primate *Ignacius* from the early Eocene of Wyoming. *Contrib. Mus. Paleont. Univ. Mich.* 24(17): 181-189. (K.D. Rose and P.D. Gingerich).
- 1977 Evolution of carpolestid primates and chronology of the North American Middle and Late Paleocene. *J. Paleont.* 51(3): 536-542.
- 1977 Dental function in the Plagiomenidae: origin and relationships of the mammalian order Dermoptera. *Contrib. Mus. Paleont. Univ. Mich.* 24(20): 221-236. (K.D. Rose and E.L. Simons).
- 1977 Preliminary report on the North American Clark Fork mammal fauna, and its correlation with similar faunas in Europe and Asia. *Geobios Mem. Spec.* 1: 39-45. (P.D. Gingerich and K.D. Rose).
- 1977 An unusual new mammal from the early Eocene of northern Wyoming. *Postilla* no. 172: 1-10. (K.D. Rose, T.M. Bown and E.L. Simons).
- 1978 Review of: Results of the Polish-Mongolian Palaeontological Expedition—Parts II-VI. *J. Paleont.* 52(1): 214-217.
- 1978 (abstract) Clarkforkian mammal fauna of the northern Bighorn Basin, Wyoming. *Geol. Soc. Amer. Abstr. with Prog.* 10(6): 283.
- 1978 A new Paleocene epoicotheriid (Mammalia), with comments on the Palaeodontia. *J. Paleont.* 52(3): 658-674.
- 1978 *Alocodontulum*, a new name for *Alocodon* Rose, Bown, and Simons, 1977, non Thulborn, 1973. *J. Paleont.* 52(5): 1162. (K.D. Rose, T.M. Bown and E.L. Simons).
- 1978 Guyot Museum revisited. (Letter) *Princeton Alumni Weekly* 79(3): 10-11.
- 1979 *Mimoperadectes*, a new marsupial, and *Worlandia*, a new dermopteran, from the lower part of the Willwood Formation (early Eocene), Bighorn Basin, Wyoming. *Contrib. Mus. Paleont. Univ. Mich.* 25(4): 89-104. (T.M. Bown and K.D. Rose).

- 1979 Reconnaissance survey and vertebrate paleontology of some Paleocene and Eocene formations in Pakistan. *Contrib. Mus. Paleont. Univ. Mich.* 25(5): 105-116. (P.D. Gingerich, D.E. Russell, D. Sigogneau-Russell, J.-L. Hartenberger, S.M.I. Shah, M. Hassan, K.D. Rose, and R.H. Ardrey).
- 1979 Anterior dentition of the Eocene condylarth *Thryptacodon*: convergence with the tooth comb of lemurs. *J. Mammal.* 60(1): 16-22. (P.D. Gingerich and K.D. Rose).
- 1979 Dental anomaly in the early Eocene condylarth *Ectocion*. *J. Paleont.* 53(3): 756-760. (K.D. Rose and B.H. Smith).
- 1979 The Clarkforkian Land-Mammal "Age" and mammalian faunal composition across the Paleocene-Eocene boundary. Ph.D. Dissertation, Univ. Michigan, 628 pp. (see 1981, *Univ. Mich. Papers on Paleontology*).
- 1979 Review of: *Development, Function, and Evolution of Teeth*, edited by P.M. Butler and K.A. Joysey. *Amer. Scientist* 67(4): 478.
- 1979 A New Paleocene palaeonodont and the origin of the Metacheiromyidae (Mammalia). *Breviora*, no. 455: 1-14.
- 1979 (abstract) The Clarkforkian Land-Mammal "Age" and mammalian faunal composition across the Paleocene-Eocene boundary. *Diss. Abstracts Int.* 40(5): 2098B.
- 1980 Clarkforkian Land-Mammal Age: revised definition, zonation, and tentative intercontinental correlations. *Science* 208: 744-746.
- 1980 Early Cenozoic mammalian faunas of the Clark's Fort Basin-Polecat Bench area, northwestern Wyoming. In: *Early Cenozoic Paleontology and Stratigraphy of the Bighorn Basin, Wyoming* (P.D. Gingerich, ed.), *Univ. Mich. Papers on Paleont.* 24: 51-68. (P.D. Gingerich, K.D. Rose, and D.W. Krause).
- 1981 The fossil history of nonhuman primates in the Americas. In: *Ecology and Behavior of Neotropical Primates* (A.F. Coimbra-Filho and R.A. Mittermeier, eds.), Acad. Brasil de Ciencias, Rio de Janeiro: 111-167. (K.D. Rose and J.G. Fleagle).
- 1981 Function of the mandibular tooth comb in living and extinct mammals. *Nature* 289: 583-585. (K.D. Rose, A. Walker, and L. Jacobs).
- 1981 Review of: *Evolutionary History of the Primates*, by F.S. Szalay and E. Delson. *J. Paleont.* 55(4): 910-913.
- 1981 The Clarkforkian Land-Mammal Age and mammalian faunal composition across the Paleocene-Eocene boundary. *Univ. Mich. Papers in Paleontology* 26: 1-197.
- 1981 Composition and species diversity in Paleocene and Eocene mammal assemblages: an empirical study. *J. Vert. Paleont.* 1(3-4): 367-388.
- 1982 Anterior dentition of the early Eocene plagiomenid dermopteran *Worlandia*. *J. Mammal.* 63(1): 179-183.
- 1982 Cyriacotheriidae, a new family of early Tertiary pantodonts (Mammalia) from western North America. *Proc. Amer. Phil. Soc.* 126: 26-50. (K.D. Rose and D.W. Krause).
- 1982 Skeleton of *Diacodexis*, oldest known artiodactyl. *Science* 216: 621-623.
- 1982 Presentation of the Schuchert Award of the Paleontological Society to Philip D. Gingerich. *J. Paleont.* 56(3): 829-830.
- 1982 New plesiadapiform primates from the Eocene of Wyoming and Montana. *J. Vert. Paleont.* 2(1): 63-69. (K.D. Rose and T.M. Bown).

- 1982 Review of: *Evolutionary Biology of the New World Monkeys and Continental Drift*, edited by R.L. Ciochon and A.B. Chiarelli. *J. Human Evol.* 11: 653-656.
- 1982 Studies on Paleocene and Early Eocene Apatemyidae (Mammalian, Insectivora). I. Dentition of Clarkforkian *Labidolemur kayi*. *Contrib. Mus. Paleont. Univ. Mich.* 26(4): 49-55. (P.D. Gingerich and K.D. Rose).
- 1983 Extraordinary fossorial adaptations in the Oligocene palaeonodons *Epoicotherium* and *Xenocranium* (Mammalia). *J. Morphol.* 175(1): 33-56. (K.D. Rose and R.J. Emry).
- 1983 Upper dentition of *Ekgmowechashala* (omomyid primate) from the John Day Formation, Oligo-Miocene of Oregon. *Folia primatol.* 41: 102-111. (K.D. Rose and J.M. Rensberger).
- 1984 (abstract) Phyletic gradualism in early Eocene omomyid primates. *Am. J. Phys. Anthrop.* 63(2): 210-211. (K.D. Rose and T.M. Bown).
- 1984 Gradual phyletic evolution at the generic level in early Eocene omomyid primates. *Nature* 309: 250-252. (K.D. Rose and T.M. Bown).
- 1984 (abstract) Evolution of fossil tarsier-like primates from Wyoming. *Amer. Phil. Soc. Yearbook 1983*: 120-121.
- 1984 Evolution and radiation of mammals in the Eocene, and the diversification of modern orders. Paleontological Society Short Course on Mammals, *Univ. Tennessee Dept. Geol. Sci. Studies in Geol.* 8: 110-127.
- 1984 Affinities of the primate *Altanius* from the early Tertiary of Mongolia. *J. Mammal.* 65(4): 721-726. (K.D. Rose and D.W. Krause).
- 1984 Early Eocene *Pelycodus jarrovi* (Primates: Adapidae) from Wyoming: phylogenetic and biostratigraphic implications. *J. Paleont.* 58(6): 1532-1535. (K.D. Rose and T.M. Bown).
- 1984 Reassessment of some early Eocene Omomyidae, with description of a new genus and three new species. *Folia primatol.* 43: 97-112. (T.M. Bown and K.D. Rose).
- 1985 The skeleton of early Eocene *Cantius*, oldest lemuriform primate. *Am. J. Phys. Anthrop.* 66(1): 73-89. (K.D. Rose and A. Walker).
- 1985 The first radiation—plesiadapiform primates (chapter 5: pp. 41-51); The second radiation—prosimians (chapter 7: pp. 58-63); The third radiation—higher primates (chapter 16: pp. 124-132). In: *Primate Anthropology: Collected Readings* (R. Ciochon and J. Fleagle, eds.), Benjamin Cummings Publ. [reprint of: The fossil history of nonhuman primates in the Americas, K.D. Rose and J.G. Fleagle, 1981].
- 1985 (abstract) Skeletal anatomy in early ungulates and the origin of modern ungulate orders. *Int. Theriological Cong. IV*, abstr. No. 537.
- 1985 Comparative osteology of North American dichobunid artiodactyls. *J. Paleont.* 59(5): 1203-1226.
- 1986 (abstract) Dental variation in the early Eocene Adapidae *Cantius* and *Copelemur*, and some paleoecological implications. *Am. J. Phys. Anthrop.* 69: 174. (K.C. Beard, K.D. Rose, and T.M. Bown).
- 1986 Review of: *Evolutionary Relationships Among Rodents*, edited by W.P. Luckett and J.-L. Hartenberger. *Quart. Rev. Biol.* 61(3): 418-419.
- 1986 Gradual evolution and species discrimination in the fossil record. In: *Phylogeny, and Philosophy* (K.M. Flanagan and J.A. Lillegraven, eds.), *Univ. Wyo. Contrib. Spec. Paper* 3: 119-130. (K.D. Rose and T.M. Bown).

- 1987 A new insectivore from the Clarkforkian (earliest Eocene) of Wyoming. *J. Mammal.* 68(1): 17-27. (K.D. Rose and P.D. Gingerich).
- 1987 (abstract) Skeletal adaptations in early Eocene mammals from the Willwood Formation, Bighorn Basin, Wyoming. *Geol. Soc. Amer. Abstr. with Programs* 19(5): 330.
- 1987 (abstract) Early Eocene mammal skeletons from the Bighorn Basin (Wyoming): significance to the Messel fauna. *Abstr. Int. Messel Symposium* (Frankfurt).
- 1987 Climbing adaptations in the early Eocene mammal *Chriacus* and the origin of Artiodactyla. *Science* 236: 314-316.
- 1987 (abstract) New skeletal remains of Eocene palaeonodons. *J. Vert. Paleont.* 7(suppl. to no. 3): 24A.
- 1987 Patterns of dental evolution in early Eocene anaptomorphine primates (Omomyidae) from the Bighorn Basin, Wyoming. *Paleont. Soc. Memoir* 23 (*J. Paleont.* 61, suppl. to no. 5): 1-162. (T.M. Bown and K.D. Rose).
- 1987 First North American Land Mammal Ages of the Cenozoic Era. In: *Cenozoic Mammals of North America* (M.O. Woodburne, ed.), Univ. Calif. Press, Berkeley: 24-76 (J.D. Archibald, W.A. Clemens, P.D. Gingerich, D.W. Krause, E.H. Lindsay, and K.D. Rose).
- 1988 (abstract) Skeleton of early Eocene *Anacodon* (Mammalia, Arctocyonina). *J. Vert. Paleont.* 8(suppl. to no. 3): 24A-25A.
- 1988 Early Eocene mammal skeletons from the Bighorn Basin (Wyoming): significance to the Messel fauna. *Courier Forschungsinstitut Senckenberg* 107: 435-450.
- 1989 (abstract) Distribution and correlation of fossil vertebrate localities of the Willwood Formation (Lower Eocene), Southern Bighorn Basin, Wyoming. *J. Vert. Paleont.* 9(suppl. to no. 3): 14A. (T.M. Bown and K.D. Rose).
- 1989 (abstract) Postcranial skeletal form in the oldest artiodactyls. *J. Vert. Paleont.* 9(suppl. to no. 3): 21A. (J.L. Franzen and K.D. Rose).
- 1989 (abstract) Jaw biomechanics and feeding behavior of the gigantic Eocene bird *Diatryma*. *J. Vert. Paleont.* 9(suppl. to no. 3): 45A. (L.M. Witmer, K.D. Rose and T.M. Bown).
- 1989 Craniodental morphology and relationships of the supposed Eocene dermopteran *Plagiomene* (Mammalia). *J. Vert. Paleont.* 9: 329-349. (R.D.E. MacPhee, M. Cartmill, and K.D. Rose).
- 1990 Review of: *Digging Into the Past*, an autobiography by E.H. Colbert. *J. Vert. Paleont.* 10: 137-138.
- 1990 In defense of Neo-Darwinism. (Review of: *Arguments on Evolution, A Paleontologist's Perspective*, by Antoni Hoffman.) *Bioscience* 40(4): 312-313.
- 1990 *Dawn of the Age of Mammals in the northern part of the Rocky Mountain Interior*. *Geol. Soc. Amer. Spec. Paper* 243. (T.M. Bown and K.D. Rose, eds.).
- 1990 Preface. In: *Dawn of the Age of Mammals in the northern part of the Rocky Mountain Interior* (T.M. Bown and K.D. Rose, eds.), *Geol. Soc. Amer. Spec. Paper* 243: v-ix. (T.M. Bown and K.D. Rose).
- 1990 Postcranial skeletal remains and adaptations in early Eocene mammals from the Willwood Formation, Bighorn Basin, Wyoming. In: *Dawn of the Age of Mammals in the northern part of the Rocky Mountain Interior* (T.M. Bown and K.D. Rose, eds.), *Geol. Soc. Amer. Spec. Paper* 243: 107-133.
- 1990 (abstract) New evidence on the early diversification of omomyid primates from the Wasatchian Willwood Formation, Wyoming. *J. Vert. Paleont.* 10 (suppl. to no. 3): 39A. (K.D. Rose and T.M. Bown).

- 1991 Additional fossil evidence on the early differentiation of the earliest euprimates. *Proc. Natl. Acad. Sci. USA* 88: 98-101. (K.D. Rose and T.M. Bown).
- 1991 Revision of the Wind River Faunas, Early Eocene of Central Wyoming. Part 11. Palaeonodonta (Mammalia). *Annals of Carnegie Museum* 60(1): 63-82. (K.D. Rose, L. Krishtalka, and R.K. Stucky).
- 1991 (abstract) Species recognition in Eocene primates. *Am. J. Phys. Anthrop.*, suppl. 12: 153. (K.D. Rose and T.M. Bown).
- 1991 Evolutionary relationships of a new genus and three new species of omomyid primates (Willwood Formation, Lower Eocene, Bighorn Basin, Wyoming). *J. Human Evol.* 20: 465-480. (T.M. Bown and K.D. Rose).
- 1991 Foot morphology and evolution in early Eocene *Cantius*. *Am. J. Phys. Anthrop.* 86: 51-73. (D.L. Gebo, M. Dagosto, and K.D. Rose).
- 1991 Biomechanics of the jaw apparatus of the gigantic Eocene bird *Diatryma*: implications for diet and mode of life. *Paleobiology* 17: 95-120. (L.M. Witmer and K.D. Rose).
- 1991 Thomas M. Bown, [recipient of SEPM] Outstanding Paper Award, 1987. *J. Sed. Petrology* 61: 1054-1055.
- 1991 (abstract) Eigenshape analysis as a tool for inferring locomotor behavior in fossil mammals. *J. Vert. Paleont.* 11(suppl. to no. 3): 44A. (N. MacLeod and K.D. Rose).
- 1991 (abstract) Skeleton of the giant early Eocene mesonychid *Pachyaena*. *J. Vert. Paleont.* 11(suppl. to no. 3): 48A-49A. (M.A. O'Leary and K.D. Rose).
- 1991 (abstract) Temporal holostrome reconstruction of the Willwood Formation and the reapportionment of paleopedologic, sedimentologic, and paleobiotic events in time. *J. Vert. Paleont.* 11(suppl. to no. 3): 17A. (T.M. Bown, M.J. Kraus and K.D. Rose).
- 1992 (abstract) Paleontological evidence on the origin and early evolution of primates. AAAS Abstracts, Chicago, Feb. 1992: p. 54.
- 1992 (abstract) Relation of extinctions and immigrations of Omomyidae and other mammals to paleosol type, sediment accumulation rates, and tectonics. *Am. J. Phys. Anthropol.* 87(suppl. 14): 52. (T.M. Bown, K.D. Rose, and M.J. Kraus).
- 1992 (abstract) Functional comparisons among modern and Paleogene mammals based on quantitative analyses of skeletal element outlines. *NAPC-V Abstracts*. (N. MacLeod and K.D. Rose).
- 1992 (abstract) Skeleton and locomotor adaptation in the early Eocene creodont *Prolimnocyon atavus*. *J. Vert. Paleont.* 12(suppl. to no. 3): 49A. (K.D. Rose and D.L. Gebo).
- 1992 Skeleton of *Alocodontulum atopum*, an early Eocene epoicotheriid (Mammalia: Palaeonodonta) from the Bighorn Basin, Wyoming. *Contrib. Mus. Paleont. Univ. Mich.* 28: 221-245. (K.D. Rose, R.J. Emry, and P.D. Gingerich).
- 1993 Inferring locomotor behavior in Paleogene mammals via eigenshape analysis. *Am. J. Sci.* 293A: 300-355. (N. MacLeod and K.D. Rose).
- 1993 Skeletal morphology and locomotor adaptation in *Prolimnocyon atavus*, an early Eocene hyaenodontid creodont. *J. Vert. Paleont.* 13(1): 125-144. (D.L. Gebo and K.D. Rose).

- 1993 Species concepts and species recognition in Eocene primates, pp. 299-330. In: *Species, Species Concepts, and Primate Evolution* (W. Kimbel and L. Martin, eds.), Plenum Publ. Corp., New York. (K.D. Rose and T.M. Bown).
- 1993 Relationships of Xenarthra, Pholidota, and fossil “edentates”: the morphological evidence, pp. 81-102. In: *Mammal Phylogeny: Placentals* (F.S. Szalay, M.J. Novacek, and M.C. McKenna, eds.), Springer Verlag, New York. (K.D. Rose and R.J. Emry).
- 1993 (abstract) Character evolution and the nature of some replacement faunas of Tertiary mammals of North and South America. *J. Vert. Paleont.* 13(suppl. to no. 3): 27A. (T.M. Bown, K.D. Rose, and D.K. Anderson).
- 1993 (abstract) *Oxyaena* (order Creodonta): locomotor adaptations and paleobiology revisited. *J. Vert. Paleont.* 13(suppl. to no. 3): 41A. (R. Heinrich and K.D. Rose).
- 1993 (abstract) Association between size change and paleotemperature records in some small early Eocene mammals. *J. Vert. Paleont.* 13(suppl. to no. 3): 42A. (P.A. Holroyd, T.M. Bown, and K.D. Rose).
- 1993 (abstract) Succession of Wasatchian Paromomyidae (Plesiadapiformes), Bighorn Basin, Wyoming. *J. Vert. Paleont.* 13(suppl. to no. 3): 55A. (K.D. Rose and T.M. Bown).
- 1993 Exceptional new dentitions of the diminutive plesiadapiforms *Tinimomys* and *Niptomomys*, with comments on the upper incisors of Plesiadapiformes. *Ann. Carnegie Museum* 62(4): 351-361. (K.D. Rose, K.C. Beard, and P. Houde).
- 1994 (abstract) Early Eocene paromomyids from the Bighorn Basin, Wyoming. *Am. J. Phys. Anthrop.* (suppl. 18): 173. (K.D. Rose and T.M. Bown).
- 1994 Distribution and stratigraphic correlation of Upper Paleocene-Lower Eocene fossil mammal and plant localities of the Fort Union Willwood, and Tatman Formations, southern Bighorn Basin, Wyoming. *U.S. Geol. Surv. Prof. Papers* 1540: 1-103 + 2 maps. (T.M. Bown, K.D. Rose, E.L. Simons, and S.L. Wing).
- 1994 (abstract) Evolutionary modes in some early Eocene mammals: a comment on gradual and punctuated evolutionary interpretations. *Geol. Soc. Amer. Rocky Mt. Sect., Abstr. Prog.* 26(6): 18. (P.A. Holroyd, T.M. Bown, and K.D. Rose).
- 1994 (abstract) Manus of the early Eocene mesonychid *Pachyaena gigantea*. *J. Vert. Paleont.* 14(suppl. to no. 3): 43A. (K.D. Rose and M.A. O’Leary).
- 1994 Mammal extinctions, body size, and paleotemperature. *Proc. Natl. Acad. Sci. USA* 91: 10403-10406. (T.M. Bown, P.A. Holroyd, and K.D. Rose).
- 1994 The early radiation of Euprimates and the initial diversification of Omomyidae, pp. 1-28. In: *Anthropoid Origins* (J.G. Fleagle and R.F. Kay, eds.), Plenum Publ. Corp., New York. (K.D. Rose, M. Godinot, and T.M. Bown).
- 1995 Partial skeleton of the primitive carnivoran *Miacis petilus* from the early Eocene of Wyoming. *J. Mammal.* 76: 148-162. (R.E. Heinrich and K.D. Rose).
- 1995 Anterior dentition and relationships of the early Eocene omomyids *Arapahovius advena* and *Teilhardina demissa*, sp. nov. *J. Human Evol.* 28: 231-244.
- 1995 (abstract) New fossil evidence on the origin of modern ungulates. *Geol. Soc. Amer. Rocky Mt. Sect., Abstr. Prog.* 27(4): 53.
- 1995 (abstract) Allocyclic controls on mammalian evolution and extinction—some empirical correlations from the early Eocene of Wyoming. *Geol. Soc. Amer., Rocky Mt. Sect., Abstr. Prog.* 27(4). (T.M. Bown, P.A. Holroyd, and K.D. Rose).

1995. New mesonychian dentitions from the Paleocene and Eocene of the Bighorn Basin, Wyoming. *Annals of Carnegie Museum* 64(2): 147-172. (M.A. O'Leary and K.D. Rose).
- 1995 The earliest primates. *Evol. Anthropol.* 3(5): 159-173.
- 1995 Postcranial skeleton of the early Eocene mesonychid *Pachyaena* (Mammalia: Mesonychia). *J. Vert. Paleont.* 15: 401-430. (M.A. O'Leary and K.D. Rose).
- 1995 Review of: Evolutionary History of the Marsupials and an Analysis of Osteological Characters, by Frederick S. Szalay. *Amer. Scientist* 83: 482-483.
- 1995 Additions to knowledge of Paleocene mammals from the North Horn Formation, central Utah. *Great Basin Naturalist* 55: 304-314. (R.L. Cifelli, N.J. Czaplewski, and K.D. Rose).
- 1995 (abstract) A minute new plesiadapiform from the early Eocene of Wyoming. *J. Vert. Paleont.* 15(suppl. to no. 3): 49A-50A. (K.D. Rose and T.M. Bown).
- 1995 (abstract) Morphologic change and turnover in early Eocene *Hyopsodus* (Mammalia, Condylarthra) in relation to environmental factors. *J. Vert. Paleont.* 15(suppl. to no. 3): 19A-20A. (T.M. Bown, P.A. Holroyd, and K.D. Rose).
- 1995 (abstract) Differences in hindlimb cross-sectional properties between bipedal and quadrupedal leapers. *J. Vert. Paleont.* 15(suppl. to no. 3): 27A. (N. Egi, C.B. Ruff, and K.D. Rose).
- 1995 The manus of *Pachyaena gigantea* (Mammalia: Mesonychia). *J. Vert. Paleont.* 15: 855-859. (K.D. Rose and M.A. O'Leary).
- 1996 Vertebrate Paleontology [1995 Geoscience Highlights]. *Geotimes* 41(2): 31-32. (K.D. Rose and H.-D. Sues).
- 1996 On the origin of the order Artiodactyla. *Proc. Natl. Acad. Sci. USA* 93: 1705-1709.
- 1996 (abstract) Cranium of early Eocene *Cantius* and its phylogenetic implications. *Am. J. Phys. Anthropol. Suppl.* 22: 202-203. (K.D. Rose, R.D.E. MacPhee, and J.P. Alexander).
- 1996 A new plesiadapiform (Mammalia: Plesiadapiformes) from the early Eocene of the Bighorn Basin, Wyoming. *Annals of Carnegie Museum* 65(3): 305-321. (K.D. Rose and T.M. Bown).
- 1996 (abstract) Remarkable new microfaunal assemblages from the early Eocene of the Bighorn Basin, Wyoming. *J. Vert. Paleont.* 16(suppl. to no. 3): 66A. (M.T. Silcox and K.D. Rose).
- 1996 Skeleton of early Eocene *Homogalax* and the origin of Perissodactyla. *Palaeovertebrata* 25: 243-260.
- 1997 Vertebrate Paleontology [1996 Geoscience Highlights]. *Geotimes* 42(2): 33-34. (K.D. Rose and H.-D. Sues).
- 1997 Postcranial morphology and locomotor behavior of two early Eocene miacoid carnivorans, *Vulpavus* and *Didymictis*. *Paleontology* 40(2): 279-305. (R.E. Heinrich and K.D. Rose).
- 1997 (abstract) 3D morphometric-functional analysis of modern and Paleogene mammalian radial heads. *J. Vert. Paleont.* 17(suppl. to no. 3): 61A. (N. MacLeod and K.D. Rose).
- 1997 (abstract) Postcranial skeleton of early-middle Eocene leptictids: ecomorphologic and phylogenetic implications. *J. Vert. Paleont.* 17(suppl. to no. 3): 71A.
- 1997 (abstract) *Eurotamandua* is a pholidotan not a xenarthran. *J. Vert. Paleont.* 17(suppl. to no. 3): 76A. (J. Shoshani, M.C. McKenna, K.D. Rose, and R.J. Emry).

- 1997 (abstract) Stasis and gradual change in *Diacodexis* from the early Eocene of the Bighorn Basin, Wyoming. *J. Vert. Paleont.* 17(suppl. to no. 3): 76A. (M.T. Silcox and K.D. Rose).
- 1998 New species of *Batodonoides* (Lipotyphla, Geolabididae) from the early Eocene of Wyoming: smallest known mammal? *J. Mammal.* 79: 804-827. (J.I. Bloch, K.D. Rose, and P.D. Gingerich).
- 1998 (abstract) New carpolestids from late Tiffanian Divide Quarry, Bighorn Basin, Wyoming. *J. Vert. Paleont.* 18(suppl. to no. 3): 28A. (J.I. Bloch, K.D. Rose, and P.D. Gingerich).
- 1998 (abstract) The use of computed tomography in understanding the biomechanics of fossil mammals. *J. Vert. Paleont.* 18, suppl. to no. 3: 65A-66A. (J.C. Mussell, C.B. Ruff, and K.D. Rose).
- 1998 (abstract) Unusual vertebrate microfaunas from the Willwood Formation, early Eocene of the Bighorn Basin, Wyoming. *J. Vert. Paleont.* 18, suppl. to no. 3: 78A. (M.T. Silcox and K.D. Rose).
- 1999 Primate Evolution at the Society of Vertebrate Paleontology. *Evol. Anthropol.* 8(1): 5-6. (K.D. Rose and M.T. Silcox).
- 1999 Postcranial skeleton of Eocene Leptictidae (Mammalia), and its implications for behavior and relationships. *J. Vert. Paleont.* 19(2): 355-372.
- 1999 Skull of early Eocene *Cantius abditus* (Primates: Adapiformes) and its phylogenetic implications, with a re-evaluation of "*Hesperolemur*" *actius*. *Am. J. Phys. Anthropol.* 109: 523-539. (K.D. Rose, R.D.E. MacPhee, and J.P. Alexander).
- 1999 (abstract) New early Paleocene palaeodonta and the origin of the Palaeodonta. *J. Vert. Paleont.* 19, suppl. to no. 3: 71A. (K.D. Rose and S.G. Lucas).
- 1999 Part 7. Fossil mammals from the early Eocene Fisher/Sullivan Site; *in* *Early Eocene Vertebrates and Plants from the Fisher/Sullivan Site (Nanjemoy Formation) Stafford County, Virginia* (R.E. Weems and G.J. Grimsley, eds.); *Virginia Division of Mineral Resources Publ.* 152: 133-138.
- 1999 *Eurotamandua* and Palaeodonta: convergent or related? *Paläontologische Zeitschrift* 73: 395-401.
- 2000 Burrowing adaptations in vertebrates; *in*: *Encyclopedia of Paleontology* (R. Singer, ed.), Fitzroy Dearborn, Chicago; pp. 220-226.
- 2000 An early Paleocene palaeodonta (Mammalia, ?Pholidota) from New Mexico, and the origin of Palaeodonta. *J. Vert. Paleont.* 20: 133-150. (K.D. Rose and S.G. Lucas).
- 2000 (abstract) Early Eocene rodent postcrania from the Willwood Formation, Bighorn Basin, Wyoming. *J. Vert. Paleont.* 20, suppl. to no. 3: 35A. (B.J. Chinnery and K.D. Rose).
- 2000 Land-mammals from the Late Paleocene Aquia Formation: The first early Cenozoic mammals from Maryland. *Proc. Biol. Soc. Washington* 113: 855-863.
- 2001 Stratocladistic analysis of Paleocene Carpolestidae (Mammalia, Plesiadapiformes) with description of a new late Tiffanian genus. *J. Vert. Paleont.* 21: 119-131. (J.I. Bloch, D.C. Fisher, K.D. Rose and P.D. Gingerich).
- 2001 Wyoming's garden of Eden. *Natural History*, April: 55-59.
- 2001 Compendium of Wasatchian mammal postcrania from the Willwood Formation; *in*: *Paleocene-Eocene Stratigraphy and Biotic Change in the Bighorn and Clarks Fork Basins of Northwestern Wyoming*. (P.D. Gingerich, ed.), *Univ. Michigan Papers on Paleont.* 33: 157-183.
- 2001 Early primates; pp. 115-121 *in*: *Palaeobiology II* (D.E.G. Briggs and P.R. Crowther, eds.), Blackwell Science, Ltd., Oxford.

- 2001 Second triconodont dentary from the Early Cretaceous of Maryland. *J. Vert. Paleont.* 21: 628-632 (K.D. Rose, R.L. Cifelli, and T.R. Lipka).
- 2001 (abstract) The postcranial skeleton of the Eocene tillodont *Esthonyx*. *J. Vert. Paleont.* 21, suppl. to no. 3: 82A (J.C. Mussell and K.D. Rose)
- 2001 The ancestry of whales. *Science* 293: 2216-2217.
- 2001 Unusual vertebrate microfaunas from the Willwood Formation, early Eocene of the Bighorn Basin, Wyoming; pp. 131-164 in: *Eocene Biodiversity: Unusual Occurrences and Rarely Sampled Habitats* (G.F. Gunnell, ed.), Plenum. (M.T. Silcox and K.D. Rose).
- 2001 Edentata and Pholidota; in: *Encyclopedia of Life Sciences*, Nature Publishing Group, London, www.els.net. pp. 1-7.
- 2002 Tarsiiformes: Evolutionary history and adaptation; pp. 45-82. In: *The Primate Fossil Record* (W. Hartwig, ed.), Cambridge Univ. Press. (G.F. Gunnell and K.D. Rose)
- 2002 New specimens of picromomyids (Plesiadapiformes, Primates) with description of a new species of *Alveojunctus*. *Annals of Carnegie Museum*, 71:1-11 (M.T. Silcox, K.D. Rose, and S.L. Walsh).
- 2002 (abstract) Origin and relationships of Xenarthra and Pholidota. *J. Vert. Paleont.* 22, Suppl. to no. 3: 111A (G.D. Storch, R.J. Emry, T.J. Gaudin, and K.D. Rose)
- 2002 (abstract) Origin and relationships of Artiodactyla. *J. Vert. Paleont.* 22, Suppl. to no. 3: 113A (J.M. Theodor, K.D. Rose, and J. Erfurt)
- 2003 (abstract) Postcrania of early Eocene *Apheliscus* and *Haplomyilus* (Mammalia: "Condylarthra"). *J. Vert. Paleont.* 23, suppl. to no. 3: 86A (T. Penkrot, S. Zack, K. Rose and J. Bloch)
- 2004 *Arcticodon dawsonae*, a primitive new palaeodont from the Lower Eocene of Ellesmere Island, Canadian High Arctic. *Canadian J. Earth Sci.* 41(6): 757-763 (K.D. Rose, J.J. Eberle, and M.C. McKenna)
- 2004 Western Margin Palaeocene-lower Eocene lignites: biostratigraphic and palaeoecological constraints. *Proceedings 2nd Conference, Association Petroleum Geologists (Khajuraho, India), ONGC, Tech.Sess. III*: 1-22. (A. Sahni, R.S. Rana, R.S. Loyal, P.K. Saraswati, S.K. Mathur, K.D. Rose, S.K.M. Tripathi, and R. Garg)
- 2004 (abstract) New earliest Eocene mammalian fauna from the central Bighorn Basin, Wyoming. *J. Vert. Paleont.* 24, supp. to no. 3: 105A (K.D. Rose and S. Zack)
- 2004 (abstract) Early Eocene Paromomyidae (Mammalia, Primates) from the southern Bighorn Basin (Willwood Formation, Wasatchian NALMA, Wyoming): Taxonomy, variation, and evolution. *J. Vert. Paleont.* 24, supp. to no. 3: 113A (M.T. Silcox, K.D. Rose, and T.M. Bown)
- 2004 (abstract) Apatemyid and pantolestid skeletons from the Eocene Fossil Butte Member (Wyoming) compared to those from Messel (Germany). *J. Vert. Paleont.* 24, supp. to no. 3: 125A (W. v. Koenigswald, K.D. Rose, L. Grande, and R.D. Martin)
- 2004 (abstract) Messelsäuger (Pantolestiden und Apatemyiden) aus Wyoming. *Geobiologie 74th annual meeting of the Paläontologische Gesellschaft* (J.R. Reitner & G. Schmidt, eds.), Göttingen: 130-131. (W. v. Koenigswald and K.D. Rose)
- 2004 Studying skeletons: Early Cenozoic mammals. *Humboldt Kosmos* 84: 35-36.
- 2004 The postcranial skeleton of early Eocene rodents. *Bulletin of the Carnegie Museum of Natural History* 36: 211-244. (K.D. Rose and B.J. Chinnery)
- 2005 *The Rise of Placental Mammals: Origins and Relationships of the Major Extant Clades* (K.D. Rose and J.D. Archibald, eds.), Johns Hopkins Univ. Press.

- 2005 Womb with a view: the rise of placental mammals; pp. 1-8 *in*: *The Rise of Placental Mammals: Origins and Relationships of the Major Extant Clades* (K.D. Rose and J.D. Archibald, eds.), Johns Hopkins Univ. Press (J.D. Archibald and K.D. Rose)
- 2005 Xenarthra and Pholidota; pp. 106-126 *in*: *The Rise of Placental Mammals: Origins and Relationships of the Major Extant Clades* (K.D. Rose and J.D. Archibald, eds.), Johns Hopkins Univ. Press (K.D. Rose, R.J. Emry, T.J. Gaudin, and G. Storch)
- 2005 Artiodactyla; pp. 215-233 *in*: *The Rise of Placental Mammals: Origins and Relationships of the Major Extant Clades* (K.D. Rose and J.D. Archibald, eds.), Johns Hopkins Univ. Press (J. Theodor, K.D. Rose, and J. Erfurt)
- 2005 Affinities of 'hyposodontids' to elephant shrews and a Holarctic origin of Afrotheria. *Nature* 434: 497-501. (S.P. Zack, T.A. Penkrot, J.I. Bloch, and K.D. Rose)
- 2005 First palaeonodont (?pholidotan) mammal from the Eocene of Europe. *Acta Palaeontologica Polonica* 50: 209-218. (E. Gheerbrant, K.D. Rose, and M. Godinot)
- 2005 First apatemyid skeleton from the lower Eocene Fossil Butte Member, Wyoming, compared to the European apatemyid from Messel. *Palaeontographica Abteilung A* 272: 149-169. (W.v. Koenigswald, K.D. Rose, L. Grande, and R. D. Martin)
- 2005 Die Lebensweise eozäner Säugetiere (Pantolestidae und Apatemyidae) aus Messel (Europa) im Vergleich zu neuen Skelettfunden aus dem Fossil Butte Member von Wyoming (Nordamerika). *Geologisches Jahrbuch Hessen* (Wiesbaden) 132: 43-54. (W.v. Koenigswald, K.D. Rose, L. Grande, & R.D. Martin)
- 2005 Early Eocene chiropterans from a new mammalian assemblage (Vastan Lignite Mine, Gujarat, Western Peninsular Margin): oldest known bats from Asia. *J. Palaeontological Soc. India* 50(1): 93-100. (R.S. Rana, H. Singh, A. Sahni, K.D. Rose, and P.K. Saraswati)
- 2005 Lower vertebrates from the late Palaeocene-earliest Eocene Akli Formation, Giral Lignite Mine, Barmer District, western India. *Current Science* 89(9): 1606-1613. (R.S. Rana, K. Kumar, H. Singh, and K.D. Rose)
- 2005 An exceptionally complete skeleton of *Palaeosinopa* (Mammalia, Cimolesta, Pantolestidae) from the Green River Formation, and other postcranial elements of the Pantolestidae from the Eocene of Wyoming. *Palaeontographica Abteilung A* 273: 55-96. (K.D. Rose and W. v. Koenigswald)
- 2005 The enamel microstructure of the early Eocene pantodont *Coryphodon* and the nature of the zigzag-enamel. *J. Mammal. Evol.* 12(3-4): 419-432. (W. von Koenigswald and K.D. Rose)
- 2006 Selachians from the early Eocene Kapurdi Formation (Fuller's Earth), Barmer District, Rajasthan. *J. Geol. Soc. India* 67: 509-522. (R.S. Rana, K. Kumar, R.S. Loyal, A. Sahni, K.D. Rose, J. Mussell, H. Singh, and S.K. Kulshreshtha)
- 2006 Early Eocene (Ypresian) continental vertebrate assemblage from India, with description of a new anthracobunid (Mammalia, Tethytheria). *J. Vert. Paleont.* 26: 219-225. (K.D. Rose, T. Smith, R.S. Rana, A. Sahni, H. Singh, P. Missiaen, and A. Folie)
- 2006 Rapid Asia-Europe-North America geographic dispersal of earliest Eocene primate *Teilhardina* during the Paleocene-Eocene Thermal Maximum. *Proc. Nat. Acad. Sci. USA* 103: 11223-11227. (T. Smith, K. D. Rose, and P. D. Gingerich)
- 2006 *The Beginning of the Age of Mammals*. Johns Hopkins University Press, Baltimore. 428 pp.
- 2006 (abstract) Enamel microstructure in *Coryphodon* and the possible correlation of body size and schmelzmuster. *J. Vert. Paleont.* 26(3): 86A. (W. v. Koenigswald, K.D. Rose, and P.D. Gingerich)
- 2006 (abstract) Earliest bats from India. *J. Vert. Paleont.* 26(3): 127A (T. Smith, R.S. Rana, A. Sahni, and K.D. Rose)

- 2006 The postcranial skeleton of early Oligocene *Leptictis* (Mammalia: Leptictida), with a preliminary comparison to *Leptictidium* from the middle Eocene of Messel. *Palaeontographica Abteilung A* 278: 37-56.
- 2006 Temporal constraints and depositional palaeoenvironments of the Vastan Lignite Sequence, Gujarat: analogy for the Cambay Shale hydrocarbon source rock. *Indian J. Petroleum Geol.* 15(1): 1-20. (A. Sahni, P.K. Saraswati, R.S. Rana, K. Kumar, H. Singh, H. Alimohammadian, N. Sahni, K.D. Rose, L. Singh, and T. Smith)
- 2007 (abstract) Early Eocene primates from peninsular India. *J. Vert. Paleont.* 27(3): 136A. (K.D. Rose, T. Smith, R. Rana, L. Singh, and A. Sahni)
- 2007 (abstract) New material of *Galecyon*, a rare early Eocene hyaenodontid (Mammalia: Creodonta). *J. Vert. Paleont.* 27(3): 170A. (S. Zack & K.D. Rose)
- 2007 High bat (Chiroptera) diversity in the Early Eocene of India. *Naturwissenschaften* 94(12): 1003-1009. (T. Smith, R.S. Rana, P. Missiaen, K.D. Rose, A. Sahni, H. Singh, L. Singh)
- 2007 The marmot-sized paramyid rodent *Notoparamys costilloi* from the early Eocene of Wyoming, with comments on dental variation and occlusion in paramyids. *Bull. Carnegie Mus. Nat. Hist.* 39: 111-125. (K.D. Rose and W. v. Koenigswald)
- 2007 A new adapoid primate from the early Eocene of India. *Contrib. Museum Paleont. Univ. Michigan* 31(14): 379-385. (K.D. Rose, R.S. Rana, A. Sahni, and T. Smith)
- 2008 Early Eocene lagomorph (Mammalia) from western India and the early diversification of Lagomorpha. *Proc. Royal Soc. London B* 275: 1203-1208 (on-line, Feb. 19, 2008) (K.D. Rose, V.B. DeLeon, P. Missiaen, R.S. Rana, A. Sahni, L. Singh, and T. Smith)
- 2008 An ailuravine rodent from the lower Eocene Cambay Formation at Vastan, western India, and its palaeobiogeographic implications. *Acta Palaeontologica Polonica* 53(1): 1-14. (R.S. Rana, K. Kumar, G. Escarguel, A. Sahni, K.D. Rose, T. Smith, H. Singh, and L. Singh)
- 2008 "Edentata" summary; pp. 127-134 *in*: *Evolution of Tertiary Mammals of North America, vol. 2: Small Mammals, Xenarthrans, and Marine Mammals* (C.M. Janis, G.F. Gunnell, and M. Uhen, eds.), Cambridge Univ. Press. (G.F. Gunnell and K.D. Rose)
- 2008 Palaeonodonta and Pholidota, pp. 135-146 *in*: *Evolution of Tertiary Mammals of North America, vol. 2: Small Mammals, Xenarthrans, and Marine Mammals* (C.M. Janis, G.F. Gunnell, and M. Uhen, eds.), Cambridge Univ. Press.
- 2008 Plagiomenidae and Mixodectidae, pp. 198-206 *in*: *Evolution of Tertiary Mammals of North America, vol. 2: Small Mammals, Xenarthrans, and Marine Mammals* (C.M. Janis, G.F. Gunnell, and M. Uhen, eds.), Cambridge Univ. Press.
- 2008 Euprimates, pp. 239-261 *in*: *Evolution of Tertiary Mammals of North America, vol. 2: Small Mammals, Xenarthrans, and Marine Mammals* (C.M. Janis, G.F. Gunnell, and M. Uhen, eds.), Cambridge Univ. Press. (G.F. Gunnell, K.D. Rose, and D.T. Rasmussen).
- 2008 Postcranial morphology of *Apheliscus* and *Haplomyilus* (Condylarthra, Apheliscidae): Evidence for a Paleocene Holarctic origin of Macroscelidea; pp. 73-106 *in*: *Mammalian Evolutionary Morphology: A Tribute to Frederick S. Szalay* (E. Sargis and M. Dagosto, eds.), Springer, Dordrecht, The Netherlands. (T.A. Penkrot, S.P. Zack, K.D. Rose, and J.I. Bloch)
- 2008 Oldest North American Primate (comment). *Proc. Nat. Acad. Sci. USA* 105 (23). www.pnas.org/cgi/doi/10.1073/pnas.0802296105. (P.D. Gingerich, K.D. Rose, and T. Smith)
- 2008 A diverse snake fauna from the early Eocene of Vastan Lignite Mine, Gujarat, India. *Acta Palaeontol. Polonica* 53: 391-403. (J.-C. Rage, A. Folie, R.S. Rana, H. Singh, K.D. Rose, and T. Smith)
- 2008 (abstract) Frogs (Anura) from the early Eocene of Vastan Lignite Mine, Gujarat, India. *J. Vert. Paleont.* 28(3): 79A. (A. Folie, R. Rana, A. Sahni, K. Rose, and T. Smith)

- 2008 (abstract) Enamel differentiation in early perissodactyls. *J. Vert. Paleont.* 28(3): 101A. (W. v. Koenigswald, K. Rose, and L.Holbrook)
- 2008 Early Eocene Paromyidae (Mammalia, Primates) from the southern Bighorn Basin, Wyoming: systematics and evolution. *J. Paleontol.* 82: 1074-1113. (M.T. Silcox, K.D. Rose, and T.M. Bown)
- 2009 Early Eocene Primates from Gujarat, India. *J. Human Evol.* 56: 366-404. (K.D. Rose, R.S. Rana, A. Sahni, K. Kumar, P. Missiaen, L. Singh, and T. Smith)
- 2009 First tillodont from India: Additional evidence for an early Eocene faunal connection between Europe and India? *Acta Palaeont. Polonica* 54(2): 351-355. (K.D. Rose, R.S. Rana, A. Sahni, K. Kumar, L. Singh, and T. Smith)
- 2009 Outrage at high price paid for a fossil. (correspondence) *Nature* 460: 456. (E.L. Simons, F. Ankel-Simons, P.S. Chatrath, R.F. Kay, B. Williams, J.G. Fleagle, D.L. Gebo, K.C. Beard, M. Dawson, I. Tattersall, and K.D. Rose)
- 2010 *Quercypsitta*-like birds from the early Eocene of India (Aves, ?Psittaciformes). *J. Vert. Paleontol.* 30: 467-478. (G. Mayr, R.S. Rana, K.D. Rose, A. Sahni, K. Kumar, L. Singh, and T. Smith)
- 2010 New marsupial from the early Eocene of Virginia. *J. Paleontol.* 84: 561-565.
- 2010 Early Eocene artiodactyls (Mammalia) from western India. *J. Vert. Paleontol.* 30(4): 1245-1274 (K. Kumar, K.D. Rose, R.S. Rana, L.Singh, T. Smith, and A. Sahni)
- 2010 Xenarthra and Pholidota (Armadillos, Anteaters, Sloths, and Pangolins). In: *Encyclopedia of Life Sciences*. John Wiley & Sons, Ltd.: Chichester, 10 pp. <http://www.els.net/> [DOI:10.1002/9780470015902.a0001556.pub2] (K.D. Rose and T.J. Gaudin) [Revision of Rose, 2001, Edentata and Pholidota].
- 2010 (abstract) Evolution of early Eocene *Palaeosinopa* (Mammalia, Pantolestidae) in the Bighorn Basin, Wyoming. *Society of Vertebrate Paleontology, Program and Abstracts*: p. 84A. (R. Dunn and K. Rose)
- 2010 (abstract) The postcranial skeleton of *Arctocyon mumak*, the largest arctocyonid, and ecomorphological diversity in Procreodi. *Society of Vertebrate Paleontology, Program and Abstracts*: p.98A. (F. Gould and K. Rose)
- 2010 (abstract) Postcrania of small mammals from the Late Paleocene of Walbeck, Germany. *Society of Vertebrate Paleontology, Program and Abstracts*: p.153A. (K. Rose and G. Storch)
- 2011 Diversity and evolution of Hunter-Schreger band configuration in tooth enamel of perissodactyl mammals. *Acta Palaeont. Polonica* 56(1): 11-32. (W. v. Koenigswald, L.T. Holbrook, and K.D. Rose)
- 2011 New fossils of the oldest North American euprimate *Teilhardina brandti* (Omomyidae) from the Paleocene-Eocene Thermal Maximum. *Am. J. Phys. Anthropol.* 146:281-305 (K.D. Rose, S.G.B. Chester, R.H. Dunn, D.M. Boyer, and J.I. Bloch). On-line Aug. 12 2011: DOI: 10.1002/ajpa.21579
- 2011 (abstract) Early Eocene paleoenvironments in Wyoming based on stable isotope ecology of fossil mammals. *GSA Abstracts with Programs* 43(5): 164. (R.A. Kraft, N.E. Levin, B.H. Passey, K.D. Rose, and A.E. Chew)
- 2011 (abstract) A new bombinatorid frog from the early Eocene of Vastan, Gujarat, India. *Society of Vertebrate Paleontology, Program and Abstracts* (Suppl. to *JVP*): p. 110. (A. Folie, R. Rana, K. Rose, K. Kumar, and T. Smith)
- 2011 (abstract) Premolar evolution in the earliest euprimates of Wyoming. *Society of Vertebrate Paleontology, Program and Abstracts* (Suppl. to *JVP*): p. 133. (K. Jones and K. Rose)

- 2011 (abstract) Who is eating my teeth? Bioerosional tunneling in fossil mammal dentitions. *Society of Vertebrate Paleontology, Program and Abstracts* (Suppl. to *JVP*): p. 133. (D. Kalthoff, K. Rose, and W. von Koenigswald)
- 2011 (abstract) Revision of *Indobune* and *Cambaytherium* from the early Eocene of Vastan (India), and their affinities with anthracobunid and perissodactyl mammals. *Society of Vertebrate Paleontology, Program and Abstracts* (Suppl. to *JVP*): p. 159. (P. Missiaen, K. Rose, R. Rana, K. Kumar, and T. Smith)
- 2011 Dental microstructure in *Palaeonodon* and *Tubulodon* (Palaeonodonta) and bioerosional tunneling as a widespread phenomenon in fossil mammal teeth. *J. Vert. Paleontol.* 31(6): 1303-1313. (D.C. Kalthoff, K.D. Rose, and W. v. Koenigswald)
- 2011 (abstract) Importance of Messel for interpreting Eocene Holarctic mammalian faunas; pp. 143-146 in: *The World at the Time of Messel* (T. Lehmann & S.F.K. Schaal, eds.), 22nd International Senckenberg Conference, Senckenberg Gesellschaft für Naturforschung, Frankfurt, Germany.
- 2012 Earliest Eocene mammalian fauna from the Paleocene-Eocene Thermal Maximum at Sand Creek Divide, southern Bighorn Basin, Wyoming. *Univ. Michigan Papers on Paleontology* 36: 1-122. (K.D. Rose, A.E. Chew, R.H. Dunn, M.J. Kraus, H.C. Fricke, and S.P. Zack)
- 2012 The importance of Messel for interpreting Eocene Holarctic mammalian faunas. *Palaeobiodiversity and Palaeoenvironments* (Frankfurt) 92 (4): 631-647. DOI 10.1007/s12549-012-0090-8.
- 2012 Ein Ameisenfresser sucht seine Verwandtschaft; pp. 156-157 in: *Paläontologie. 100 Jahre Paläontologische Gesellschaft* (T. Martin, W. v. Koenigswald, G. Radtke, and J. Rust, eds.), Verlag Dr. Friedrich Pfeil, München. (G. Gruber, K.D. Rose, and W. v. Koenigswald)
- 2012 (abstract) The mechanics of fossoriality in Mammalia and the locomotor behavior of Palaeonodonta (Pholidotamorpha). *Society of Vertebrate Paleontology, Program and Abstracts* (Suppl. to *JVP*): p. 54. (H.E. Ahrens, C.B. Ruff, and K.D. Rose)
- 2012 (abstract) Intraspecific variation in the styler cusps of *Didelphis virginiana*. *Society of Vertebrate Paleontology, Program and Abstracts* (Suppl. to *JVP*): p. 166. (C.E. Sartin and K.D. Rose).
- 2013 Early Eocene frogs from Vastan Lignite Mine, Gujarat, India. *Acta Palaeont. Polonica.* 58 (3): 511-524. doi: <http://dx.doi.org/10.4202/app.2011.0063> (A. Folie, R.S. Rana, K.D. Rose, A. Sahni, K. Kumar, L. Singh, and T. Smith)
- 2013 New hypsodont tillodont (Mammalia: Tillodontia) from the early Eocene of India. *J. Paleontology* 87: 842-853. (K.D. Rose, K. Kumar, R.S. Rana, A. Sahni, and T. Smith)
- 2013 (abstract) New primate postcrania from the early Eocene of Vastan Mine, Gujarat, India. *Society of Vertebrate Paleontology Program and Abstracts* (Supplement to *JVP*): p. 118 (R. Dunn, K. Rose, K. Kumar, R. Rana, and T. Smith)
- 2013 (abstract) New early Eocene pantolestid skeleton from Fossil Butte Member, Wyoming, and skeletal ontogeny in Pantolestidae (Mammalia, Pantolestia). *Society of Vertebrate Paleontology Program and Abstracts* (Supplement to *JVP*): p. 201 (K. Rose, R. Dunn, and L. Grande)
- 2013 High diversity of acrodontan lizards in the Early Eocene Vastan Lignite Mine of India. *Geologica Belgica* 16/4: 290-301. (R.S. Rana, M. Augé, A. Folie, K.D. Rose, K. Kumar, L. Singh, A. Sahni, and T. Smith)
- 2013 New specimens of the early Eocene bird *Vastanavis* and the interrelationships of stem group Psittaciformes. *Paleontological Journal* 47(11): 1308-1314 (G. Mayr, R.S. Rana, K.D. Rose, A. Sahni, K. Kumar, and T. Smith)
- 2013 Small-mammal postcrania from the middle Paleocene of Walbeck, Germany. *Paläontologische Zeitschrift* (DOI) 10.1007/s12542-013-0211-3; print version, 2015, vol. 89 (1): 95-124 (K.D. Rose, G. Storch, and K. Krohmann)
- 2014 Body size and premolar evolution in the early--middle Eocene euprimates of Wyoming. *American Journal of Physical Anthropology* 153: 15-28 (K.E. Jones, K.D. Rose, and J. Perry)

- 2014 (abstract) Primate postcrania from the early Eocene of India, and implications for the initial diversification of strepsirhines and haplorhines. *American Journal of Physical Anthropology*, supplement 58: 110-111 (R.H. Dunn, K.D. Rose, K. Kumar, R.S. Rana, and T. Smith)
- 2014 A new pantolestid skeleton from the early Eocene Fossil Butte Member, Green River Formation (Wyoming), and skeletal ontogeny in Pantolestidae (Mammalia, Pantolesta). *Journal of Vertebrate Paleontology* 34(4): 932-940 (K.D. Rose, R.H. Dunn, and L. Grande)
- 2014 Gnathic and postcranial skeleton of the largest known arctocyonid “condylarth,” *Arctocyon mumak*, (Mammalia, Procreodi) and ecomorphological diversity in Procreodi. *Journal of Vertebrate Paleontology* 34: 1180-1202 (F.H.D. Gould and K.D. Rose)
- 2014 (abstract) New morphologies for old: application of three dimensional surface analysis & computer vision/machine learning techniques to comparative anatomy with special emphasis on vertebrate paleontology. *Society of Vertebrate Paleontology Program and Abstracts* (Supplement to *JVP*): pp. 172-173 (N. MacLeod, D. Steart, L. Pearce, C. Bartleet-Cross, C. Nedza, A. Frose, and K. Rose)
- 2014 (abstract) Early Eocene cambaytheres from Indo-Pakistan are the sister group of perissodactyls. *Society of Vertebrate Paleontology Program and Abstracts* (Supplement to *JVP*): p. 217 (K. Rose, L. Holbrook, R. Rana, K. Kumar, K. Jones, H. Ahrens, P. Missiaen, A. Sahni, and T. Smith)
- 2014 (abstract) Early Eocene microsyopine microsyopids (Mammalia, Primates) from the southern Bighorn Basin, Wyoming: evidence for cladogenetic speciation and evolutionary response to climate change. *Society of Vertebrate Paleontology Program and Abstracts* (Supplement to *JVP*): p. 230 (M. Silcox, K. Rose, A. Chew)
- 2014 (abstract) New specimens of *Indohyaenodon raoi* from the early Eocene of Vastan Mine, India and their implications for phylogeny and biogeography of hyaenodontid mammals. *Society of Vertebrate Paleontology Program and Abstracts* (Supplement to *JVP*): p. 232 (T. Smith, R. Rana, K. Kumar, S. Zack, F. Solé, K. Rose, P. Missiaen, L. Singh, and A. Sahni)
- 2014 Early Eocene fossils suggest that the mammalian order Perissodactyla originated in India. *Nature Communications* 5:5570 doi: 10.1038/ncomms6570 (K.D. Rose, L.T. Holbrook, R.S. Rana, K. Kumar, K.E. Jones, H.E. Ahrens, P. Missiaen, A. Sahni, and T. Smith)
- 2015 (abstract) Microsyopids from the early Eocene of the southern Bighorn Basin, Wyoming: evolutionary insights from the largest stratigraphically controlled sample of stem primates. *American Journal of Physical Anthropology* 156, supplement S60: 288 (M.T. Silcox, K.D. Rose, and A.E. Chew)
- 2015 Craniodental and postcranial morphology of *Indohyaenodon raoi* from the early Eocene of India, and its implications for ecology, phylogeny, and biogeography of hyaenodontid mammals. *Journal of Vertebrate Paleontology* 35(5), e965308 (22 pages), DOI: 10.1080/02724634.2015.965308 (R. S. Rana, K. Kumar, S. P. Zack, F. Solé, K. D. Rose, P. Missiaen, L. Singh, A. Sahni, and T. Smith)
- 2015 First early Eocene tapiroid from India and its implication for the paleobiogeographic origin of perissodactyls. *Palaeovertebrata* 39 (2)-e5 (9 pages). (T. Smith, F. Solé, P. Missiaen, R.S. Rana, K. Kumar, A. Sahni, and K.D. Rose)
- 2015 (abstract) New diverse early Eocene snake assemblage from Tadkeshwar lignite mine, western India. *Journal of Vertebrate Paleontology, 2015 Program and Abstracts*: 125. (A. Folie, K. Kumar, R.S. Rana, F. Solé, A. Sahni, K.D. Rose, and T. Smith)
- 2015 (abstract) An exceptionally well preserved primate petrosal from the early Eocene of India. *Journal of Vertebrate Paleontology, 2015 Program and Abstracts*: 213. (M.T. Silcox, R.H. Dunn, K. Kumar, R. Rana, A. Sahni, T. Smith, and K.D. Rose)
- 2015 (abstract) New early Eocene mammal assemblage from Tadkeshwar lignite mine, western India. *Journal of Vertebrate Paleontology, 2015 Program and Abstracts*: 216. (T. Smith, K..Kumar, R.S. Rana, F. Solé, A. Folie, A. Sahni, and K.D. Rose)

- 2015 The postcranial skeleton of *Galecyon*: evidence for morphological and locomotor diversity in early Hyaeodontidae (Mammalia, Hyaeodontida). *Journal of Vertebrate Paleontology* 35(6) e1001492 (25 pages), DOI: 10.1080/02724634.2014.1001492; cover. (S.P. Zack and K.D. Rose)
- 2015 Evolution of early Eocene *Palaeosinopa* (Mammalia, Pantolestidae) in the Willwood Formation of the Bighorn Basin, Wyoming. *Journal of Paleontology* 89(4): 665-694. Available on CJO 2015 doi:10.1017/jpa.2015.31 (R.H. Dunn and K.D. Rose)
- 2016 Digital reconstruction of the inner ear of *Leptictidium auderiense* (Leptictida, Mammalia) reveals new insight into leptictidan locomotion. *Paläontologische Zeitschrift* 90(1): 153-171. DOI 10.1007/s12542-015-0276-2 (I. Ruf, V. Volpato, K.D. Rose, G. Billet, C. de Muizon, and T. Lehmann)
- 2016 New euprimate postcrania from the early Eocene of Gujarat, India, and the strepsirrhine-haplorhine divergence. *J. Human Evol.* 99: 25-51. <http://dx.doi.org/10.1016/j.jhevol.2016.06.006> (R.H. Dunn, K.D. Rose, R.S. Rana, K. Kumar, A. Sahni, T. Smith)
- 2016 New early Eocene vertebrate assemblage from western India reveals a mixed fauna of European and Gondwanan affinities. *Geoscience Frontiers* 7: 969-1001 (T. Smith, K. Kumar, R.S. Rana, A. Folie, F. Solé, C. Noiret, T. Steeman, A. Sahni, and K.D. Rose)
- 2016 (abstract) Paleogene sedimentary tectonics of the Greybull/Basin area, northern Wyoming: Little Dry Creek Parafold and Gould Butte/Three Sisters block. *Geological Society of America, 2016 Annual Meeting, Abstracts with Programs*: 102. (T.M. Bown, A.E. Chew, K.A. Nichols, K.D. Rose, B. Rodwell, and L.N. Weaver)
- 2016 (abstract) Using fossil vertebrates to date early Eocene tectonosedimentary activity in the Greybull/Basin area of northwest Wyoming. *Journal of Vertebrate Paleontology, 2016 Program and Abstracts*: 102. (T.M. Bown, A.E. Chew, K.A. Nichols, K.D. Rose, L.N. Weaver, and B.W. Rodwell)
- 2016 (abstract) Analysis of the skeletal anatomy of the basicranium and auditory region in the metacheiromiid palaeodont *Metacheiromys* (Mammalia, Pholidotamorpha) based on high-resolution CT-scans. *Journal of Vertebrate Paleontology, 2016 Program and Abstracts*: 143. (T.J. Gaudin, J.R. Wible, K.D. Rose, R.J. Emry, and M. Spaulding)
- 2016 (abstract) A little squirrely: reconstructing locomotor behavior and body mass of early Ischyromyidae (Rodentia) using extant Sciuridae. *Journal of Vertebrate Paleontology, 2016 Program and Abstracts*: 209. (K.A. Prufrock, C.B. Ruff, and K.D. Rose)
- 2016 (abstract) A new sandcoleid (Aves, Coliiformes) from the early Eocene of Wyoming and its implications for paleobiology, intraspecific variation, and evolution in early mousebirds. *Journal of Vertebrate Paleontology, 2016 Program and Abstracts*: 231. (T.A. Stidham and K.D. Rose)
- 2017 (abstract) An enigmatic new ungulate from the early Eocene of India. *Journal of Vertebrate Paleontology, 2017 Program and Abstracts*: 218. (S.P. Zack, K.D. Rose, K. Kumar, R. Rana, and T. Smith)
- 2018 Deciduous premolars of Eocene Equidae and their phylogenetic significance. *Historical Biology* 30(1-2): 89-118, DOI: 10.1080/08912963.2017.1291637. (K.D. Rose, L.T. Holbrook, and W.P. Luckett)
- 2018 Assessing unsupervised image classification as an aid in paleoanthropological explorations; pp. 59-79 in: *New Geospatial Approaches to the Anthropological Sciences* (R.L. Anemone & G.C. Conroy, eds). Santa Fe, NM: School for Advanced Research Press; Albuquerque: University of New Mexico Press (G.C. Conroy, A. Chew, K.D. Rose, T.M. Bown, R.L. Anemone, and G.F. Gunnell)
- 2018 New fossils from Tadkeshwar Mine (Gujarat, India) increase primate diversity from the early Eocene Cambay Shale. *J. Human Evol.* 122: 93-107 (K.D. Rose, R.H. Dunn, K. Kumar, J.M.G. Perry, K. Prufrock, R.S. Rana, and T. Smith)
- 2018 Four archaic yet highly specialized mammals; pp. 222-233 in: *Messel – An Ancient Greenhouse Ecosystem* (K.T. Smith, S.F.K. Schaal, & J. Habersetzer, eds.). Senckenberg Gesellschaft für Naturforschung, Frankfurt am Main. (W.v. Koenigswald, G.F. Gunnell, T. Lehmann, K.D. Rose, and I. Ruf)

- 2018 Ferae – animals that eat animals; pp. 270-283 *in*: *Messel – An Ancient Greenhouse Ecosystem* (K.T. Smith, S.F.K. Schaal, & J. Habersetzer, eds.). Senckenberg Gesellschaft für Naturforschung, Frankfurt am Main. (G.F. Gunnell, T. Lehmann, I. Ruf, J. Habersetzer, M. Morlo, and K.D. Rose)
- 2018 Mastication and enamel structure in *Cambaytherium*, a perissodactyl-like ungulate from the early Eocene of India. *PalZ (Paläontologische Zeitschrift)* 92(4): 671-680. (W.v. Koenigswald, K.D. Rose, L.T. Holbrook, K. Kumar, R.S. Rana, and T. Smith)
- 2018 (abstract) Unusual vertebrate assemblage from the McNeil Quarry of the Bighorn Basin, Wyoming (Willwood Formation, Early Eocene, Wasatchian NALMA). *Journal of Vertebrate Paleontology, 2018 Program and Abstracts*: 188 (L. Nagendran, K.D. Rose, A.E. Chew, T.M. Bown, and M.T. Silcox)
- 2018 (abstract) Forelimb anatomy of *Eurotamandua joresi* from the middle Eocene of Messel, Germany, based on computed tomography: systematic implications. *Journal of Vertebrate Paleontology, 2018 Program and Abstracts*: 201 (R. Rabenstein, J. Habersetzer, T. Lehmann, I. Ruf, G.F. Gunnell, and K.D. Rose)
- 2018 (abstract) New data on the early Eocene mammals and other vertebrates from the Cambay Shale Formation exposed in lignite mines of Gujarat, western India. *Journal of Vertebrate Paleontology, 2018 Program and Abstracts*: 219 (T. Smith, R.S. Rana, K. Kumar, A. Folie, R.H. Dunn, F. Solé, S.P. Zack, and K.D. Rose)
- 2018 (in review) New data on the paleobiology, behavior, variation, and early evolution of mousebirds (Aves: Coliiformes) from a new species of sandcoleid from the early Eocene of Wyoming. *Zool. J. Linn. Soc.* (T.A. Stidham and K.D. Rose)
- 2019 Skeletal anatomy of the basicranium and auditory region in the metacheiromiid palaeoanodont *Metacheiromys* (Mammalia, Pholidotamorpha) based on high-resolution CT scans. *Fossil Imprint* 75(3-4): 484-503 (T.J. Gaudin, J.R. Wible, K.D. Rose, R.J. Emry, and M. Spaulding)
- 2020 (abstract) (2020). A morphometric analysis of early Eocene euprimate calcanei from Gujarat, India. The FASEB Journal, 34(S1): 1–1. <https://doi.org/10.1096/fasebj.2020.34.s1.04054> (C.J. Llera, K.D. Rose, and A.D. Sylvester)
- 2020 (abstract) Morphometric analysis of Eocene primate astragali from India. *American Journal of Physical Anthropology*, 171(S69, Abstracts): 163-164). (C.J. Llera, K.D. Rose, and A.D. Sylvester)
- 2020 New specimens of *Frugivastodon* (Mammalia: Apatotheria) from the early Eocene of India confirm its apatemyid status and elucidate dispersal of Apatemyidae; pp. 279-304 *in*: *Biological Consequences of Plate Tectonics: New Perspectives on Post-Gondwanaland Break-up—A Tribute to Ashok Sahni* (G. V. Prasad and R. Patnaik, eds.), *Vertebrate Paleobiology and Paleoanthropology Series*, Springer. https://doi.org/10.1007/978-3-030-49753-8_12 (F. Solé, E. De Bast, H. Legendre, R.S. Rana, K. Kumar, K.D. Rose, and T. Smith)
- 2020 Anatomy, relationships, and paleobiology of *Cambaytherium* (Mammalia, Perissodactylamorpha, Anthracobunia) from the lower Eocene of western India. *Society of Vertebrate Paleontology Memoir 20. Journal of Vertebrate Paleontology* 39 (6, Supplement): 1-147. (K.D. Rose, L.T. Holbrook, K. Kishor, R.S. Rana, H.E. Ahrens, R.H. Dunn, A. Folie, K.E. Jones, and T. Smith) DOI: 10.1080/02724634.2020.1761370
- 2021 Locomotor behavior and body mass of *Paramys delicatus* (Ischyromyidae, Rodentia) and commentary on other early North American paramyines. *Journal of Mammalian Evolution* 28: 435-456. <https://doi.org/10.1007/s10914-020-09523-8> (K.A. Prufrock, C.B. Ruff, and K.D. Rose)
- 2021 An enigmatic new ungulate-like mammal from the early Eocene of India. *Papers in Palaeontology* 7(1):497-520. doi: 10.1002/sp2.1288; on-line 2019 (S. Zack, K.D. Rose, L.T. Holbrook, K. Kumar, R.S. Rana, and T. Smith)
- 2021 Cladogenesis and replacement in the fossil record of Microsyopidae (?Primates) from the southern Bighorn Basin, Wyoming. *Biology Letters* 17(2): 20200824. (M.T. Silcox, K.R. Selig, T.M. Bown, A.E. Chew, and K.D. Rose)

- 2021 Early Eocene omomyid from the Nanjemoy Formation of Virginia: first fossil primate from the Atlantic Coastal Plain. *Journal of Vertebrate Paleontology* 41(1): e1923340, 10 pp. DOI: 10.1080/02724634.2021.1923340 (K.D. Rose, J.M.G. Perry, K.A. Prufrock, and R.E. Weems)
- 2021 Additional vertebral material of *Thaumastophis* (Serpentes: Caenophidia) from the early Eocene of India provides new insights on the early diversification of colubroidean snakes. *Geobios* 66-67: 35-43 (H. Zaher, A. Folie, A.B. Quadros, R.S. Rana, K. Kumar, K.D. Rose, M. Fahmy, and T. Smith)
- 2022 A morphometric analysis of early Eocene euprimate tarsals from Gujarat, India. *Journal of Human Evolution*: <https://doi.org/10.1016/j.jhevol.2022.103141> (C.J. Llera, K.D. Rose, and A.D. Sylvester)
- 2022 (abstract) New information on the enigmatic *Wyolestes* and the affinities of the genus. *Journal of Vertebrate Paleontology, Program and Abstracts, 2022*: 356-357 (S. P. Zack, K.D. Rose, and M. O’Leary)
- 2023 (abstract) 166-25 – The early evolution of gregarious social behavior in crown birds: evidence from a unique early Eocene bonebed of arboreal mousebirds (Aves: Coliiformes) from Wyoming, USA. *Geological Society of America Abstracts with Programs* 55(6) doi: 10.1130/abs/2023AM-390097 (T. Stidham and K.D. Rose)
- 2023 (abstract) New forelimb details of *Eurotamandua*, purported anteater from the middle Eocene of Messel, Germany, reveal extraordinary similarities to palaeonodons (Pholidotamorpha), not to Xenarthra. *Journal of Vertebrate Paleontology, Program and Abstracts, 2023*: 177-178. (T.J. Gaudin, K.D. Rose, R. Rabenstein, and J. Habersetzer)
- 2024 (in review) New cranial and postcranial remains of the once enigmatic early Eocene mammal *Wyolestes* (Mammalia, Ferae, Hyaenodonta) from North America and phylogenetic evidence for its interordinal relationships. *Bulletin of the American Museum of Natural History* (S.P. Zack, K.D. Rose, and M.A. O’Leary)