

JIN MENG
ASSOCIATE CURATOR AND ASSOCIATE PROFESSOR
DIVISION OF PALEONTOLOGY

HIGHEST DEGREE EARNED

Ph.D.

AREA OF SPECIALIZATION

Morphology, systematics, and evolution of mammals

EDUCATIONAL EXPERIENCE

Ph.D. in Vertebrate Paleontology, Columbia University, 1991

M.S. in Vertebrate Paleontology, the Graduate School of Sciences and Technology,
Beijing, and the Institute of Vertebrate Paleontology and Paleoanthropology,
Academia Sinica, Beijing, 1984

B.S. in Geology, Beijing University, 1982

PREVIOUS EXPERIENCE IN DOCTORAL EDUCATION

FACULTY APPOINTMENTS

Adjunct faculty, Biology Department, City University of New York, 2000-present

Adjunct faculty, Department of Earth and Environmental Sciences, City University of
New York, 2000-present

Assistant Professor, Department of Biology, University of Massachusetts, Amherst,
1996-1999

Visiting Lecturer, Vassar College, 1991

COURSES TAUGHT

Mammalogy, University of Massachusetts, Amherst, 1996-1999

Evolutionary Mechanisms, University of Massachusetts, Amherst, 1996-1999

Systematics, University of Massachusetts, Amherst, 1996-1999

Introduction to Paleobiology, Vassar College, 1991

GRADUATE ADVISEES

Matthew Muhlbacher, Geology, Columbia University, 2000-2005

Bolorseteg Minjin, Earth and Environmental Sciences, City University of New York,
1999-2008

Hu Yaoming, Biology, City University of New York, 1999-2006

GRADUATE DISSERTATION COMMITTEES

Chaired

R. Kolnicki, Biology, University of Massachusetts, 1996-1999

Served

Shundong Bi, Howard University, 2003-2005

Daniel Kspeka, Earth and Environmental Studies, Columbia University, 2002-present

Sunny Huang, Earth and Environmental Studies, Columbia University, 2001-present
N. Watkins, Anthropology, University of Massachusetts, 1996-1999
E. Hilton, Biology, University of Massachusetts, 1996-1999
T. Koneval, Biology, University of Massachusetts, 1996-1999
S. Feeney, Biology, University of Massachusetts, 1996-1999
G. Semprebon, Biology, University of Massachusetts, 1996-1999
L. Holbrook, Biology, University of Massachusetts, 1996-1999
H. Wang, Forestry and Wildlife, University of Massachusetts, 1996-1999
E. Carrillo, Forestry and Wildlife, University of Massachusetts, 1996-1999
W. Li, Forestry and Wildlife, University of Massachusetts, 1996-1999
L. Salas, Forestry and Wildlife, University of Massachusetts, 1996-1999

RESEARCH GRANT SUPPORT

FEDERAL SOURCES

National Science Foundation, Biocomplexity: Consequences of Greenhouse Warming for Biocomplexity and Biogeochemical Cycles: A Multidisciplinary Case Study Across the Paleocene-Eocene Boundary, \$197,966, October 1, 2001-September 30, 2006.

NON-FEDERAL SOURCES

Chinese National Science Foundation, Paleogene Mammal Fauna Turnovers and Related Environmental Changes in the Mongolian Plateau, co-PI with Wang Yuanqing, et al., 1.8 million yuans, 2005-2009.
Chinese Academy of Sciences, Field project of Tertiary Biostratigraphy and Mammal Faunas in Xinjiang and Inner Mongolia, \$500,000 yuans, 2003-2005.

RECENT ARTICLES IN REFEREED JOURNALS (2003-2008)

Clyde, W. C., Y.-S. Tong, K. E. Snell, G. J. Bowen, S.-y. Ting, P. L. Koch, Q. Li, Y.-q. Wang, J. Meng. In press. An Integrated Stratigraphic Record from the Paleocene of the Chijiang Basin, Jiangxi Province (China): Implications for Mammalian Turnover and Asian Block Rotations. *EPSL*.

Sun, B., Yue L.-p., Wang Y.-q., Meng J., Wang J.-q. and Xu Y. In press. The magnetostratigraphy of early Paleogene strata of Erlian Basin.

Wang, Y.-Q., J. Meng, X.-J. Ni, and K. C. Beard. In press. A new early Eocene arctostylopid (Arctostylopida, Mammalia) from Erlian Basin, Nei Mongol (Inner Mongolia), China. *Journal of Vertebrate Paleontology*.

Meng, J., J. Ye, W.-Y. Wu, X.-J. Ni, S.-D. Bi. In press. The Neogene Dingshanyanchi Formation in northern Junggar Basin of Xinjiang and its stratigraphic implications. *Vertebrata PalAsiatica*.

Bi, S.-D., J. Meng, and W.-Y. Wu. 2008. A new species of *Megacricetodon* (Cricetidae?, Rodentia, Mammalia) from the middle Miocene of northern Junggar Basin, China. *American Museum Novitates* 3602, 23 pp.

Li, C.-K., J. Meng, and Y.-Q. Wang. 2007. *Dawsonolagus*, a primitive lagomorph from the Eocene Arshanto Formation, Inner Mongolia, China. *Bulletin of the Carnegie Museum* 39: 97 - 110.

- Meng, J. X.-J. Ni, C.-K. Li, K.C. Beard, D.L. Gebo, Y.-Q. Wang and H.-J. Wang. 2007. New material of Alagomyidae (Mammalia, Glires) from the Late Paleocene Subeng locality, Inner Mongolia. *American Museum Novitates* (52 pages including 6 tables, and 15 figures).
- Ting, S.-Y. J. Meng, Q. Li, Y.-Q. Wang, Y.-S. Tong, J. A. Shiebout, P. L. Koch, W. C. Clyde, and G. J. Bowen. 2007. *Ganungulatum xincunliense*, an artiodactyls-like mammal (Ungulata, Mammalia) from the Paleocene, Chijiang Basin, Jiangxi, China. *Vertebrata PalAsiatica* 45: 278—286.
- Wang, Y.-Q., J. Meng, X.-J. Ni, and C.-K. Li. 2007. Major events of Paleocene mammal radiation in China. *Geological Journal* 42: 415—430.
- Hu, Y.-M., J. Meng, and J. M. Clark. 2007. A new Late Jurassic docodont (Mammalia) from northeastern Xinjiang, China. *Vertebrata PalAsiatica* 45: 173—194.
- Meng, J., Y.-Q. Wang, X.-J. Ni, K. C., Beard, C.-K. Sun, Q. Li, X. Jin, B. Bai. 2007. New Stratigraphic data from the Erlan Basin: definitions, divisions and correlations of Paleogene stratigraphic units in Inner Mongolia. *American Museum Novitates* 3570: 1-31.
- Meng, J. C.-K. Li, Y.-Q. Wang, X.-J. Ni. 2007. A new Eocene rodent from the lower Arshanto Formation in the Nuhetingboerhe (Camp Margetts) area, Inner Mongolia. *American Museum Novitates* 3569: 1-18.
- Ni, X., J. Meng, W. Wu, and J. Ye. 2007. A new Early Oligocene peradectine marsupial (Mammalia) from the Burqin region of Xinjiang, China. *Naturwissenschaften* 94: 237--241.
- Ni, X., K.C. Beard, J. Meng, Y. Wang, and D.L. Gebo. 2007. Discovery of the first Early Cenozoic Euprimate (Mammalia) from Inner Mongolia. *American Museum Novitates* 3571: 1--11.
- Bowen, G.J., T.J. Bralower, M.L. Delaney, G.R. Dickens, D.C. Kelly, P.L. Koch, L.R. Kump, J. Meng, L.C. Sloan, E. Thomas, S.L. Wing, and J.C. Zachos. 2006. Eocene hyperthermal event offers insight into greenhouse warming. *Eos* 87(17): 165.
- Meng, J., Y.-M. Hu, Y.-Q. Wang, X.-L. Wang, and C.-K. Li. 2006. A Mesozoic gliding mammal from northeastern China. *Nature* 444: 889--893 (Cover article; accompanying on-line supplementary data consisting of 7 tables, 13 figures and 96 pages of single-spaced supporting text.).
- Meng, J., Y.-M. Hu, Y.-Q. Wang, and C.-K. Li. 2006. The mammal fauna in the Early Cretaceous Jehol Biota: Implications to diversity and biology of Mesozoic mammals. *Geological Journal* 41: 439--463.
- Meng, J., J. Ye, W. Wu, L. Yue, and X. Ni. 2006. A recommended boundary stratotype section for Ziejian Stage from northern Junggar Basin: implications to related biostratigraphy and environmental changes. *Vertebrata PalAsiatica* 44: 205--236.
- Wu, W.-Y., J. Meng, J. Ye, and X.-J. Ni. 2006. The first finds of eomyids (Rodentia) from North Junggar Basin, China. *Beiträge zur Paläontologie* 30: 469--479.
- Asher, R. J., J. Meng, M. C. McKenna, J. R. Wible, D. Dashzeveg, G. Rougier, and M. J. Novacek. 2005. Stem Lagomorpha and the Antiquity of Glires. *Science* 307: 1091-1094.
- Bowen, G. J., P. L. Koch, J. Meng, Ye J., and S. Ting. 2005. Age and Correlation of

- Fossiliferous Late Paleocene-Early Eocene Strata of the Erlian Basin, Inner Mongolia, China. *American Museum Novitates* 3474: 1-26.
- Hu, Y.-m., J. Meng, C.-k. Li, and Y.-q. Wang. 2005. Large Mesozoic mammals fed on young dinosaurs. *Nature* 433: 149-152.
- Meng, J. Y.-m. Hu, and C.-k. Li. 2005. *Gobiolagus* (Lagomorpha, Mammalia) from Ula Usa of Inner Mongolia and a review on Eocene lagomorphs of Asia. *Paleontologia Electronica* 8-1: 1-2
- Meng, J. and A. R. Wyss. 2005. A review on morphology, phylogeny and divergence of Glires (Mammalia). Pp. 145—158 In: *The rise of placental mammals: origins and relationships of major extant clades*, D. Archibald and K. Rose (editors). The Johns Hopkins University Press.
- Meng, J., Y.-m. Hu, Y.-q. Wang, and C.-k. Li. 2005. A new gobiconodont species (Mammalia) from the Early Cretaceous Yixian Formation of Liaoning, China. *Vertebrata PalAsiatica* 43: 1-10.
- Meng, J., A. R. Wyss, Y.-m. Hu, Y.-q. 2005. Glires (Mammalia) from the late Paleocene Bayan Ulan Locality of Inner Mongolia. *American Museum Novitates* 3473: 1—25.
- Meng, J., Y.-m. Hu, and C.-k. Li. 2005. *Gobiolagus* (Lagomorpha, Mammalia) from Ula Usa of Inner Mongolia and a review on Eocene Lagomorphs of Asia. *Paleontologia Electronica*.
- Meng, J., A. R. Wyss, Y.-m. Hu, Y.-q. Wang, G. J. Bowen, and P. L. Koch. 2005. Glires (mammalia) from the late Paleocene Bayan Ulan Locality of Inner Mongolia. *American Museum Novitates* 3473: 1-25.
- Ye, J., W.-y. Wu, and J. Meng. 2005. *Anchitherium* (Perissodactyla, Mammalia) from the Halamagai Formation of Northern Junggar Basin, Xinjiang. *Vertebrata PalAsiatica* 43: 100-109.
- Ye, J., Meng, J., Wu, W.-y., and Ni, X.-j. 2005. Lithological and biostratigraphic sequence across the Eocene-Oligocene boundary in Burqin of Xinjiang. *Vertebrata PalAsiatica* 43: 49—60.
- Meng, J. and Y.-m. Hu. 2004. Lagomorphs from the Yihesubu Upper Eocene of Nei Mongol (Inner Mongolia). *Vertebrata PalAsiatica* 42: 261-275.
- Meng, J. 2004. Phylogeny and Divergence of Basal Glires. *American Museum Novitates. Bulletin of the American Museum of Natural History* 285: 93-109.
- Meng, J., G. J. Bowen, J. Ye, P. L. Koch, S.-y. Ting, Q. Li, and X. Jin. 2004. *Gomphos elkema* (Glires, Mammalia) from the Erlian Basin: Evidence for the Early Tertiary Bumbanian Land Mammal Age in Nei-Mongol, China. *American Museum Novitates* 3425: 24 pp.
- Tong, Y.-s., J.-w. Wang and J. Meng. 2004. *Olbitherium millenariusum*, a new perissodactyl-like archaic ungulate (Mammalia) from the early Eocene Wutu Formation, Shangdong. *Vertebrata PalAsiatica*. 42: 27-38.
- Wu, W.-y., J. Meng, J. Ye, and X.-j. Ni. 2004. *Propalaeocastor* (Rodentia, Mammalia) from the Early Oligocene of Burqin Basin Xinjiang. *American Museum Novitates* 3461, 16 pp.
- Li, C.-K., Y. Hu, Y.-q. Wang, and J. Meng. 2003. A new species of *Gobiconodon* from the Jehoh Biota and its implication to the age of the fauna. *Chinese Science Bulletin* 48: 177-182.

- Meng, J. 2003. The journey from jaw to ear Evolution of the mammalian middle ear. *Biologist* 50: 154-158.
- Meng, J., Y. Hu, Y. Wang, and C.-K. Li. 2003. The ossified Meckel's cartilage and internal groove in Mesozoic mammaliaforms: implications to origin of the definitive mammalian middle ear. *Zoological Journal of the Linnean Society* 138: 431-448.
- Meng, J., Y.-m. Hu, and C. Li. 2003. The Osteology of *Rhombomylus* (Mammalia, Glires) and its implication for Glires systematics and evolution. *Bulletin of the American Museum of Natural History* 275: 1-247.
- Wu, W.-y., J. Ye, and J. Meng. 2003. The discovery of *Pliopithecus* from Northern Junggar Basin of Xinjiang. *Vertebrata Palasiatica* 41: 76-84.
- Ye, Jie, J. Meng, and Wenyu Wu. 2003. A preliminary biostratigraphic study of the Oligocene/Miocene boundary from northern Jungur Basin of Xinjiang, China. *American Museum Bulletin* 279: 568—585.
- Ye, J., J. Meng, and Wenyu Wu. 2003. Discovery of *Paraceratherium* in the northern Jungur Basin of Xinjiang. *Vertebrata Palasiatica*. 41: 220-229.

SPECIAL RECOGNITION/AWARDS

- The Margaret E. and Howard E. Bigelow Award for Research and Publication in Organismic and Evolutionary Biology, University of Massachusetts, 1998
- First prize award from the Chinese Academy of Sciences: “Biostratigraphy and mammal faunas of Paleogene from Inner Mongolian Plateau, and the study of the origin and evolution of early mammals,” 1997
- Faculty Fellowship, Columbia University, 1985-91
- Graduate student fellowship, Graduate School of Sciences and Technology, Beijing, 1982-83
- Student Fellowship, Beijing University, Beijing, 1978-81