

Jonah Nathaniel Choiniere

American Museum of Natural History
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Education

BA 2002 Anthropology *cum laude*
BS 2002 Geology *cum laude*
University of Massachusetts Amherst

Ph.D. 2010 Biology
The George Washington University

Professional Experience and Appointments

2010–2012. Kalbfleisch Fellow and Gerstner Scholar: *American Museum of Natural History*

2011-present. Paleontology Advisor: *The Excursionist*.

2010–2011. Curatorial Assistant, “The World’s Largest Dinosaurs”: *American Museum of Natural History*

2007—2010. Research Student: *National Museum of Natural History*

2002–2004. Property Manager: *Boston Nature Center*

2000. Archaeology Intern: *Yosemite National Park*

Grants

2011. Co-PI Grant in Aid of Research, *University of Cambridge*: £17,000

2011. Jurassic Foundation Grant, *Jurassic Foundation*: \$3084

2011. Waitt Grant, *National Geographic Society*: \$15,000

2009. Mortensen Fund, *The George Washington University*: \$250

2009. Exploration Fund, *The Explorers Club*: \$1500

2009. Jurassic Foundation Grant, *Jurassic Foundation*: \$2500

2009. Jackson School of Geosciences Travel Grant, *Society of Vertebrate Paleontology*: \$1200

2008. East Asia and Pacific Summer Institutes Grant, *National Science Foundation*: \$10,000

Awards and Fellowships

September, 2010–August, 2012. Kalbfleisch Fellowship and Gerstner Scholar, *American Museum of Natural History*

Fall, 2004–Spring, 2010. Weintraub Fellowship for Systematics and Evolution, *The George Washington University*

Fall, 2009. King Fellowship, *The George Washington University*

July, 2007. Cladistics Workshop Fellowship, *The Ohio State University*

May, 2002. L.R. Wilson Award, *University of Massachusetts Amherst*

Fall, 1997–Spring, 2002. Commonwealth Scholarship, *University of Massachusetts Amherst*

Publications

2011. Han, Fenglu, Sullivan, Corwin, Hone, David W. E., **Choiniere, Jonah N.**, Clark, James M., and Xu, Xing. Theropod teeth from the Middle-Upper Jurassic Shishugou Formation of northwest Xinjiang, China. *Journal of Vertebrate Paleontology* 31 (1): 111–126.
2011. Xing, Xu, Sullivan, Corwin, Pittman, Michael, **Choiniere, Jonah N.**, Hone, David W. E., Upchurch, Paul, Tan, Qingwei, Xiao, Dong, and Tan, Lin. A monodactyl non-avian dinosaur and the complex evolution of alvarezsauroid hand. *Proceedings of the National Academy of Sciences* 108 (6): 2338–2342.
2010. Faith, J. Tyler, **Choiniere, Jonah N.**, Tryon, Christian A., Peppe, Daniel J., Fox, D. L., Jenkins, K. J. On the taxonomic status and ecology of *Rusingoryx atopocranium* (Mammalia, Artiodactyla), an extinct Pleistocene bovid from the Lake Victoria Basin, Kenya. *Quaternary Research* published online December 24th, doi:10.1016/j.yqres.2010.11.006.
2010. **Choiniere, Jonah N.**, Clark, James M., Xing, Xu, and Forster, Catherine A. A new basal coelurosaur from the Middle-Late Jurassic Shishugou Formation. *Journal of Vertebrate Paleontology* 30: 1773–1796.
2010. Brusatte, Stephen L., Norell, Mark A., Carr, Thomas D., Erickson, Gregory M., Hutchinson, John R., Balanoff, Amy M., Bever, Gabe S., **Choiniere, Jonah N.**, Makovicky, Peter J., and Xu, Xing. Tyrannosaur paleobiology: new research on ancient exemplar organisms. *Science* 329: 1481–1485.
2010. Hone, David W. E., **Choiniere, Jonah N.**, Xu, Xing, Sullivan, Corwin, and Pittman, Michael. New evidence for a trophic relationship between the dinosaurs *Velociraptor* and *Protoceratops*. *Palaeogeography, Palaeoclimatology, Palaeoecology* 291: 488–492.

2010. Xu, Xing, **Choiniere, Jonah N.**, Pittman, Michael, Tan, Qingwei, Xiao, Dong Xiao, Li, Zhiquan, Tan, Lin, Clark, James M., Norell, Mark A., Hone, David W. E., and Sullivan, Corwin. A new dromaeosaurid (Dinosauria: Theropoda) from the Upper Cretaceous Wulansuhai Formation of Inner Mongolia, China. *Zootaxa* 2403:1–9.
2010. **Choiniere, Jonah N.**, Xing Xu, James M. Clark, Catherine A. Forster, Yu Guo, and Fenglu Han. A basal alvarezsaurid theropod from the early Late Jurassic of Xinjiang, China. *Science* 327:571–574.
2009. Santiago-Blay, Jorge, **Choiniere, Jonah N.**, and Hone, David W. E. *Book Review: What Bugged the Dinosaurs: Insects, Disease, and Death in the Cretaceous*, by George and Roberta Poinar. *American Entomologist* 55 (3): 203–205.
2009. Xu, Xing, Clark, James M., Mo, Jinyou, **Choiniere, Jonah**, Forster, Catherine A., Erickson, Gregory M., Hone, David W. E., Sullivan, Corwin, Eberth, David A., Nesbitt, Sterling, Zhao, Qi, Hernandez, Rene, Jia, Cheng-kai, Han, Feng-lu, and Guo, Yu. A Jurassic ceratosaur from China helps clarify avian digital homologies. *Nature* 459, 940–944.
2006. Choiniere, Joseph and **Choiniere, Jonah**. Return of the amphibians. *Sanctuary: the Journal of the Massachusetts Audubon Society* 46 (1): 10–12.

Published abstracts

2009. **Choiniere, Jonah N.**, Clark, James M., Xu, Xing, and Han, Fenglu. A new basal alvarezsaur from the Shishugou Formation. *Journal of Vertebrate Paleontology* 29 (3S): 77A.
2008. **Choiniere, Jonah**, Clark, James M., Xu, Xing, and Forster, Catherine A. A new basal coelurosaur from the Upper Shishugou Formation (Xinjiang, People's Republic of China). *Journal of Vertebrate Paleontology* 28 (3S): 63A.

Conference Presentations

2010. **Choiniere, Jonah N.**, Dimitrov, Dimitar, Anton-Fernandez, Clara, Xing, Xu, and Clark, James M. Assessing homology in serially repetitive morphological structures: the theropod digit problem. Society for Vertebrate Paleontology Annual Meeting, Pittsburgh, PA.
2010. Hone, David W. E., **Choiniere, Jonah N.**, Sullivan, Corwin, and Currie, Philip J. Elongation and reduction of the forelimb in theropod dinosaurs. Society for Vertebrate Paleontology Annual Meeting, Pittsburgh, PA.
2009. **Choiniere, Jonah N.**, Clark, James M., Xing, Xu and Forster, Catherine A. Poster presentation: Geobiology Symposium. National Museum of Natural History, Washington, DC.
2009. **Choiniere, Jonah N.**, Clark, James M., Xing, Xu, and Forster, Catherine A. A dynamic

approach to digital homology in Tetanura (Dinosauria: Theropoda). Society for Integrative and Comparative Biology Annual Meeting. Boston, MA.

2009. **Choiniere, Jonah N.**, Clark, James M., Xing, Xu. Poster presentation: Society for Vertebrate Paleontology Annual Meeting. Bristol, UK.

2008. **Choiniere, Jonah N.**, Clark, James M., Forster, Catherine A., Xing, Xu. Poster presentation: Society for Vertebrate Paleontology Annual Meeting. Cleveland, OH.

Invited talks and speaker presentations

June 12, 2011. Featured Speaker, Urban Advantage Annual Reception. American Museum of Natural History, New York, NY.

May 24, 2011. Meet the scientist. Education Department, American Museum of Natural History, New York, NY.

May 15, 2011. Host, "Living Large" Milstein Family Science Sunday. American Museum of Natural History, New York, NY.

April 15, 2011. Meet the scientist. Education Department, American Museum of Natural History.

April 2, 2011. Introducing the World's Largest Dinosaurs. Discovery Room, American Museum of Natural History, New York, NY.

November 25, 2008. Long Summers in China. Explorer's Club: New England Chapter. Renaissance Hotel, Cambridge, MA.

December 7, 2008. *Science Day Speaker*. Rosemary Hills Elementary School, Silver Spring, MD.

March 25, 2008. Are birds really dinosaurs? Forest Knolls Elementary School. Silver Spring, MD.

April 15th, 2009. In the land of kong long. Goshen Elementary School, Cub Scout Pack 468. Montgomery Village, MD.

March 23rd, 2010. Long Summers in China: insights into theropod evolution from the Jurassic of Xinjiang. Salisbury University, Salisbury, MD.

Professional memberships

1997—present. Phi Beta Kappa

2007—present. Society for Vertebrate Paleontology

2008—present. Society for Integrative and Comparative Biology

2009—present. Explorer's Club

Reviewer for following journals

Zootaxa

Acta Paleontologica Polonica

Journal of Vertebrate Paleontology

Edited volume in honor of John Bolt

Media Experience

May, 2011. "Dirty Jobs with Mike Rowe". Stikes Quarry, UT

April, 2011. Developer for Ology (online content for children): Living Large: the Secrets of Sauropods. American Museum of Natural History.

http://www.amnh.org/ology/index.php?channel=paleontology#features/livinglarge/?TB_iframe=true&height=600&width=800

September, 2010—April, 2011. Curatorial assistant for exhibit "The World's Largest Dinosaurs". American Museum of Natural History.

<http://www.amnh.org/exhibitions/wld/>

May, 2010. BBC. Consultant on upcoming TV series with Tom Brass, Associate Producer

March, 2010. Press release, George Washington University.

<http://www.gwu.edu/explore/mediaroom/gwinthenews/researchspotlight/gwphdstudentdiscoversnewspeciesofraptordinosaur>

March, 2010. Phone interview with Ker Than, National Geographic News:

<http://news.nationalgeographic.com/news/2010/03/100319-new-dinosaur-species-raptor-killer-claw/>

January, 2010. Press release and film interview, George Washington University.

<http://www.youtube.com/watch?v=g9h8FzxCOI>

January, 2010. Audio interview for the National Science Foundation.

<http://www.nsf.gov/news/newsmedia/haplocheirus/>

August, 2008. Documentary, Inner Mongolian Television.

May—December, 2007. Dino Death Trap. National Geographic Television.

<http://channel.nationalgeographic.com/episode/dino-death-trap-2998/Overview>

August, 2006. Xinjiang Television.

Workshops

June, 2011. Finite Element Analysis Workshop. University of Massachusetts Amherst, MA.

July 2007. Cladistics Workshop. Ohio State University, Columbus, OH.

Field Experience

2011. Mongolian American Expedition, Mongolia. American Museum of Natural History

2011. Kirkwood Formation, South Africa. Rhodes University/Albany Museum

2011. Cedar Mountain Formation, Utah. University of Utah/State of Utah

2010. Mongolian American Expedition, Mongolia. American Museum of Natural History

2009. Karoo Supergroup, South Africa. Rhodes University/Albany Museum.

2009. Bayan Mandahu Expedition, Inner Mongolia, China. Institute of Vertebrate Paleontology and Paleoanthropology

2008. Bayan Mandahu Expedition, Inner Mongolia, China. Institute of Vertebrate Paleontology and Paleoanthropology

2006. Sinoamerican Expedition to Wucuiwan, Xinjiang, China. Institute of Vertebrate Paleontology and Paleoanthropology/the George Washington University

2005. Sinoamerican Expedition to Wucuiwan, Xinjiang, China. Institute of Vertebrate Paleontology and Paleoanthropology/the George Washington University

2000. Merced River Drainage Miwok Archaeological Survey, Yosemite National Park, CA. Yosemite National Park Archaeology

Volunteer experience

2004—2009. Smithsonian Institution: National Museum of Natural History, *Vertebrate Paleontology Preparation Lab Volunteer*

1995—2005. Massachusetts Audubon Society, *Volunteer*

Teaching experience

Fall 2009—Spring 2010. The George Washington University, *Biology Tutor*.

Fall 2007. The George Washington University, *Temporary Lab Supervisor*

Fall 2004—Fall 2006. The George Washington University, *Graduate Teaching Assistant*

References

Academic:

Mark A. Norell, Chairman and Curator-in-charge, Fossil Amphibians, Birds, and Reptiles
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Professional:

Julie Brandlen, Sanctuary Director
Boston Nature Center
MassAudubon Society
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David Harvey, Senior Vice President for Exhibition
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