

Jonah Nathaniel Choiniere

Senior Researcher
Evolutionary Studies Institute
University of the Witwatersrand
Private Bag 3, WITS 2050
Johannesburg, South Africa
+27 (011) 717-6684 (office)
+27 (079) 906-3169 (cell)

jonah.choiniere@wits.ac.za
jonah.choiniere@gmail.com
http://www.researchgate.net/profile/Jonah_Choiniere
<http://jonahchoiniere.weebly.com/>
<https://scholar.google.co.za/citations?user=6qODxwoAAAAJ&hl=en>

Education

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

Ph.D. 2010 Biology
The George Washington University

NRF Rating

2014–2019: P- rated researcher

Professional Experience and Appointments

2012–present. Senior Researcher, Evolutionary Studies Institute: *University of the Witwatersrand, Johannesburg, South Africa*

2013–present. Honorary Senior Researcher, Department of Geosciences: *University of the Witwatersrand, Johannesburg, South Africa*

2013–present. Research Associate, Division of Paleontology. *American Museum of Natural History, New York, NY USA.*

2013–present. Editor, *Palaeontologia africana*. Evolutionary Studies Institute: *University of the Witwatersrand, Johannesburg, South Africa*

2010–2012. Kalbfleisch Fellow and Gerstner Scholar, Division of Vertebrate Paleontology: *American Museum of Natural History, New York, USA*

2011-present. Curator of Paleontological Travel: *The Excursionist, New York, USA.*

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

2007–2010. Research Student: *National Museum of Natural History, Washington DC, USA*

2003–2004. Property Manager: *Boston Nature Center, Boston, USA*

2000. Archaeology Intern: *Yosemite National Park, El Portal, USA*

Publications (29 papers; 509 citations; H-index = 11*; I-10 index = 12*; *source Google Scholar)

2016. Carrano, Matthew T., and **Choiniere, Jonah N.** New information on the forearm and manus of *Ceratosaurus nasicornis* Marsh, 1884 (Dinosauria, Theropoda), with implications for theropod forelimb evolution. *In press*, *Journal of Vertebrate Palaeontology*.
IF: 2.346; SNIP: 0.925
2016. McPhee, Blair W., de Klerk, William J., and **Choiniere, Jonah N.** The sauropod fauna of the Early Cretaceous Kirkwood Formation of South Africa. *Cretaceous Research*, 59: 228–248.
doi:10.1016/j.cretres.2015.11.006.
IF: 1.904; SNIP: 1.066
2015. Watanabe, Akinobu, Gold, Maria Eugenia Leone, Davidson, Amy, Benson, Roger B. J., Brusatte, Stephen L., **Choiniere, Jonah N.**, Norell, Mark A. Vertebral pneumaticity in the Ornithomimosaur *Archaeornithomimus* (Dinosauria: Theropoda) revealed by computed tomography imaging and reappraisal of axial pneumaticity in Ornithomimosauria. *PLoS ONE* 10(12), e0145168. doi: 10.1371/journal.pone.0145168
IF: 3.234; SNIP: 1.034
2015. Xing, Lida, Parkinson, Alexander, Ran, hao, Pirrone, Cecilia, Roberts, Eric, Zhang, Jianping, Burns, Michael, Wang, Tao, and **Choiniere, Jonah N.** The earliest fossil evidence of bone boring by terrestrial invertebrates, examples from China and South Africa. *Historical Biology*, DOI: 10.1080/08912963.2015.1111884.
IF: 1.489; SNIP: 0.636
2015. McPhee, Blair W., **Choiniere, Jonah N.**, Yates, Adam M., and Viglietti, Pia A. A second species of *Eucnemesaurus* Van Hoepen, 1920 (Dinosauria, Sauropodomorpha): new information on the diversity and evolution of the sauropodomorph fauna of South Africa's lower Elliot Formation. *Journal of Vertebrate Paleontology*, 35 (5): e980504. DOI:10.1080/02724634.2015.980504
IF: 2.346; SNIP: 0.925
2015. McPhee, Blair W., Bonnan, Matthew, Yates, Adam, Neveling, Johann, and **Choiniere, Jonah N.** A new basal sauropod from the pre-Toarcian Jurassic of South Africa: evidence of niche-partitioning at the sauropodomorph-sauropod boundary? *Scientific Reports*, 5: 13224. doi: 10.1038/srep13224.
IF: 5.578; SNIP: 1.402
2015. Otero, Alejandro, Krupandan, Emil, Pol, Diego, Chinsamy-Turan, Anusuya, and **Choiniere, Jonah N.** A new basal sauropodomorph from South Africa and the phylogenetic relationships of basal sauropodomorphs. *Zoological Journal of the Linnean Society*, 174, 589–634.
IF: 2.658; SNIP: 1.545
2015. **Choiniere, Jonah N.**, and Barrett, Paul M. A sauropodomorph dinosaur from the ?Early Jurassic of Lusitu, Zambia. *Palaeontologia africana*, 49: 42–52.
IF: n/a; SNIP: n/a
2015. Xing, Xu, Pittman, Michael, Sullivan, Corwin, **Choiniere, Jonah N.**, Qing-Wei, Tan, Clark, James M., Norell, Mark A., Shuo, Wang. The taxonomic status of the Late Cretaceous dromaeosaurid *Linheraptor exquisitus* and its implications for dromaeosaurid systematics. *Vertebrata Palasiatica*, 53: 29–62.
IF: n/a; SNIP: n/a
2014. **Choiniere, Jonah N.**, Clark, James M., Norell, Mark A., and Xu, Xing. Cranial osteology of *Haplocheirus sollers* Choiniere et al., 2010 (Theropoda: Alvarezsauridae). *American Museum Novitates*, 3816: 1–44.

IF: 1.636; SNIP: 1.457

2014. McPhee, Blair W., Yates, Adam, **Choiniere, Jonah N.**, Abdala, Fernando. The complete anatomy and phylogenetic relationships of *Antetonitrus ingenipes* (Sauropodiformes, Dinosauria): implications for the origins of Sauropoda. *Zoological Journal of the Linnaean Society*, 171(1): 151–205.
IF: 2.658; SNIP: 1.545
2014. **Choiniere, Jonah N.**, Clark, James M., and Xu, Xing. A new juvenile coelurosaur from the Late Jurassic Shishugou Formation of Wucuiwan, China. *Journal of Systematic Paleontology* 12(2): 177–215.
IF: 3.727; SNIP:1.361
2013. Benson, Roger B. J., and **Choiniere, Jonah N.** Rates of dinosaur limb evolution provide evidence for exceptional radiation in Mesozoic birds. *Proceedings of the Royal Society, Series B* 280: 20131780.
IF: 5.05; SNIP: 1.501
2013. Xu, Xing, Upchurch, Paul, Ma, Qingyu, Pittman, Michael, **Choiniere, Jonah N.**, Hone, David W. E., Tan, Qingwei, Tan, Lin, Xiao, Dong, and Han, Fenglu. Osteology of the alvarezsaurid *Linhenykus monodactylus* from the Upper Cretaceous Wulansuhai Formation of Inner Mongolia, China, and comments on alvarezsaurid biogeography. *Acta Palaeontologica Polonica* 58(1): 25–46.
IF: 1.866; SNIP: 0.945
2012. **Choiniere, Jonah N.**, Forster, Catherine A., and deKlerk, William. New information on the anatomy and systematic position of *Nqwebasaurus thwazi*, a coelurosaur from the Early Cretaceous Kirkwood Formation of South Africa. *Journal of African Earth Sciences* 71-72: 1–17.
IF: 1.403; SNIP: 1.157
2012. Hone, David W. E., **Choiniere, Jonah N.**, Tan, Qingwei, and Xu, Xing. An articulated pes from a small parvicursorine alvarezsaurid (Dinosauria: Theropoda) from Inner Mongolia, China. *Acta Palaeontologica Polonica* 58(3): 453–458.
doi:10.4202/app.2011.0127
IF: 1.866; SNIP: 0.945
2011. Xu, Xing, Sullivan, Corwin, Pittman, Michael, **Choiniere, Jonah N.**, Hone, David, Upchurch, Paul, Tan, Qingwei, Xiao, Dong, Tan, Lin, and Han, Fenglu. Reply to Dyke and Naish: European alvarezsaurids do not change the picture. *Proceedings of the National Academy of Sciences* 108 (22): E148.
IF: 9.674; SNIP: 2.542
2011. Xu, Xing, Clark, James M., **Choiniere, Jonah N.**, Hone, David, and Sullivan, Corwin. Reply to “*Limusaurus* and bird digit identity.” *Nature Precedings* 713. doi:10.1038/npre.2011.6375.1
IF: n/a; SNIP: n/a
2011. Xu, Xing, **Choiniere, Jonah N.**, Sullivan, Corwin, and Han, Fenglu. Comment on “Embryological evidence identifies wing digits in birds as 1, 2, and 3.” *Nature Precedings* 713. doi:10.1038/npre.2011.6433.1.
IF: n/a; SNIP: n/a
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.
IF: 2.346; SNIP: 0.925
2011. Xu, Xing, 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.
 IF: 9.674; SNIP: 2.542
2011. Faith, J. Tyler, **Choiniere, Jonah N.**, Tryon, Christian A., Peppe, Daniel J., Fox, D. L., and Jenkins, K. J. On the taxonomic status and ecology of *Rusingoryx atopocranion* (Mammalia, Artiodactyla), an extinct Pleistocene bovid from the Lake Victoria Basin, Kenya. *Quaternary* 75 (3): 697–707. doi:10.1016/j.yqres.2010.11.006.
 IF: 2.675; SNIP: 0.993
2010. **Choiniere, Jonah N.**, Clark, James M., Xu, Xing, and Forster, Catherine A. A new basal coelurosaur from the Middle-Late Jurassic Shishugou Formation. *Journal of Vertebrate Paleontology* 30: 1773–1796.
 IF: 2.346; SNIP: 0.925
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.
 IF: 33.611; SNIP: 7.841
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.
 IF: 2.390; SNIP: 1.129
2010. Xu, Xing, **Choiniere, Jonah N.**, Pittman, Michael, Tan, Qingwei, Xiao, Xiao, Dong, 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.
 IF: 0.906; SNIP: 0.881
2010. **Choiniere, Jonah N.**, Xu, Xing, Clark, James M., Forster, Catherine A., Guo, Yu, and Han, Fenglu. A basal alvarezsauroid theropod from the early Late Jurassic of Xinjiang, China. *Science* 327:571–574.
 IF: 33.611; SNIP: 7.841
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.
 IF: n/a; SNIP: n/a
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.
 IF: 41.456; SNIP: 7.93

Book chapters

2016. Rubidge, Bruce S., **Choiniere, Jonah N.**, Bamford, Marion, Barbolini, Natasha, Viglietti, Pia A., Day, Michael, McPhee, Blair W., Hancox, John. Advances in Karoo biostratigraphy in the Permo-Triassic nonmarine realm: significance for understanding basin development. *In prep* (invited paper). Cape Karoo Imbizo Volume. Bastien Linol and Martin J. de Wit, eds.
2016. **Choiniere, Jonah N.**, Zanno, Lindsay E., and Balanoff, Amy B. Basal Maniraptora. *In Prep* (invited paper). The Dinosauria, 3rd Edition. Cambridge University Press.

2016. O'Connor, Jingmai K., **Choiniere, Jonah N.** The phylogeny of basal birds. Above the heads of dinosaurs II. *In prep* (invited paper). University of California Press.
2016. **Choiniere, Jonah N.**, and Rubidge, Bruce S. The Karoo Supergroup – 120 million years of animal life on land. *In press* 35th International Geological Congress Geoheritage Legacy Volume.

Published abstracts

2015. **Choiniere, Jonah N.**, Jinnah, Zubair, Irmis, Randall B., Benson, Roger B. J. New tuff deposits from the Elliot Formation and their implications for absolute dating of the Triassic-Jurassic boundary. *Palaeontologia africana*, Proceedings of the 18th Biennial Conference of the Palaeontological Society of Southern Africa Johannesburg, 11–14 July 2014 49: 77.
2015. Chapelle, Kimberley E. J., **Choiniere, Jonah N.** The first detailed cranial description of *Massospondylus carinatus* using a CT scan and 3D digital representation. *Palaeontologia africana*, Proceedings of the 18th Biennial Conference of the Palaeontological Society of Southern Africa Johannesburg, 11–14 July 2014 49: 77.
2015. Dollman, Kathleen N., **Choiniere, Jonah N.** The first detailed description of *Protosuchus haughtoni* cranial pneumatic regions using a CT scan and 3D digital representation. *Palaeontologia africana*, Proceedings of the 18th Biennial Conference of the Palaeontological Society of Southern Africa Johannesburg, 11–14 July 2014 49: 81.
2015. McPhee, Blair W., **Choiniere, Jonah N.**, Viglietti, Pia A. A second species of *Eucnemesaurus* (Dinosauria: Sauropodomorpha): new information on the diversity and evolution of the sauropodomorph fauna of South Africa's Lower Elliot Formation. *Palaeontologia africana*, Proceedings of the 18th Biennial Conference of the Palaeontological Society of Southern Africa Johannesburg, 11–14 July 2014 49: 96.
2015. Staunton, Casey K., and **Choiniere, Jonah N.** Forelimb osteology of *Massospondylus carinatus*. *Palaeontologia africana*, Proceedings of the 18th Biennial Conference of the Palaeontological Society of Southern Africa Johannesburg, 11–14 July 2014 49: 108.
2014. McPhee, Blair W., Bonnan, Matthew F., **Choiniere, Jonah N.**, Yates, Adam M., and deKlerk, William J. The non-massospondylid fauna of the upper Elliot and Clarens (Early Jurassic) Formations of South Africa. *Journal of Vertebrate Paleontology*, Programs and Abstracts, 2014, 185.
2014. **Choiniere, Jonah N.**, Jinnah, Zubair, Irmis, Randall B., Benson, Roger B. J. Volcanic tuffs from the Elliot Formation: implications for the Triassic-Jurassic terrestrial boundary. *Journal of Vertebrate Paleontology*, Programs and Abstracts, 2014, 108.
2014. Chapelle, Kimberley E. J., and **Choiniere, Jonah N.** The first detailed cranial description of the braincase of *Massospondylus carinatus* using a CT scan and 3D digital representation. *Journal of Vertebrate Paleontology*, Programs and Abstracts, 2014, 106.
2012. Stiegler, Josef B., **Choiniere, Jonah N.**, Xu, Xing, Clark, James M. A multi-element histological analysis of the Jurassic tyrannosauroid *Guanlong wucaii*. *Journal of Vertebrate Paleontology* 32 (5S): 179.
2012. Clark, James M., Xu, Xing, **Choiniere, Jonah N.**, Eberth, David A., Chu, Hongjun. The vertebrate fauna of the Middle-Late Jurassic Shishugou Formation of Xinjiang, China: recent discoveries. *Journal of Vertebrate Paleontology* 32 (5S): 79
2012. **Choiniere, Jonah N.**, Forster, Catherine A., De Klerk, William J. New information on *Nqwebasaurus thwazi*, a coelurosaurian theropod from the Early Cretaceous (Hauteriverian?) Kirkwood Formation in South Africa. *Journal of Vertebrate Paleontology* 32 (5S): 78

2012. Brusatte, Stephen L., **Choiniere, Jonah N.**, Benson, Roger B., Carr, Thomas D., Norell, Mark A. Theropod dinosaurs from the Late Cretaceous of eastern North America: anatomy, systematics, biogeography and new information from historic specimens. *Journal of Vertebrate Paleontology* 32 (5S): 70.
2011. Kirkland, James, Loewen, Mark, DeBlieux, Don, Madsen, Scott, and **Choiniere, Jonah N.** New theropod cranial material from the Yellow Cat Member, Cedar Mountain Formation (Barremian-Basal Aptian), Stikes Quarry, North of Arches National Park, East-Central Utah. *Journal of Vertebrate Paleontology* 31 (5S): 137.
2011. **Choiniere, Jonah N.**, Dyke, Gareth, Norell, Mark A. The anatomy of the parvicursorine braincase and its implications for alvarezsauroid systematics and evolution. *Journal of Vertebrate Paleontology* 31 (5S): 88.
2010. **Choiniere, Jonah N.**, Dimitrov, Dimitar, Anton-Fernandez, Clara, Xu, Xing, and Clark, James M. Assessing homology in serially repetitive morphological structures: the theropod digit problem. *Journal of Vertebrate Paleontology* 30 (3S), .
2010. Hone, David W. E., **Choiniere, Jonah N.**, Sullivan, Corwin, and Currie, Philip J. Elongation and reduction of the forelimb in theropod dinosaurs. *Journal of Vertebrate Paleontology* 30 (3S), .
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

2015. McPhee, Blair W., and **Choiniere, Jonah N.** *Pulanesaura* and the ecological dynamics of the sauropodomorph dinosaurs of the Elliot Formation (Late Triassic-Early Jurassic). Origin and evolution of the Cape Mountains and Karoo Basin 'Imbizo', November 25-30th, 2015. Nelson Mandela Metropolitan University, South Africa.
2015. **Choiniere, Jonah N.**, McPhee, Blair W., Bordy, Emese M., Sciscio, Lara. Towards a refined sauropodomorph biostratigraphy from the Elliot Formation of southern Africa. Origin and evolution of the Cape Mountains and Karoo Basin 'Imbizo', November 25-30th, 2015. Nelson Mandela Metropolitan University, South Africa.
2015. Carrano, Matthew, **Choiniere, Jonah N.** New information on theropod forelimb evolution from the forearm and manus of *Ceratosaurus nasicornis* Marsh, 1884 (Dinosauria, Theropoda). Society for Vertebrate Palaeontology Annual Meeting 2015, Dallas, USA.
2015. O'Connor, Jingmai K., **Choiniere, Jonah N.** The early evolution of Aves. Systematics Association Biennial Meeting 2015. Oxford University, UK.
2014. McPhee, Blair W., Bonnan, Matthew F., **Choiniere, Jonah N.**, Yates, Adam M., and deKlerk, William J. The non-massospondylid fauna of the upper Elliot and Clarens (Early Jurassic) Formations of South Africa. Society for Vertebrate Palaeontology Annual Meeting 2014, Berlin, Germany.
2014. **Choiniere, Jonah N.**, Jinnah, Zubair, Irmis, Randall B., Benson, Roger B. J. Volcanic tuffs from the Elliot Formation: implications for the Triassic-Jurassic terrestrial boundary. Society for Vertebrate Palaeontology Annual Meeting 2014, Berlin, Germany.

2014. Chapelle, Kimberley E. J., and **Choiniere, Jonah N.** The first detailed cranial description of the braincase of *Massospondylus carinatus* using a CT scan and 3D digital representation. Society for Vertebrate Palaeontology Annual Meeting 2014, Berlin, Germany.
2014. **Choiniere, Jonah N.**, Jinnah, Zubair, Irmis, Randall B., Benson, Roger B. J. New tuff deposits from the Elliot Formation and their implications for absolute dating of the Triassic-Jurassic boundary. Palaeontological Society of Southern Africa Biennial Meeting, Johannesburg, South Africa.
2014. Chapelle, Kimberley E. J., **Choiniere, Jonah N.** The first detailed cranial description of *Massospondylus carinatus* using a CT scan and 3D digital representation. Palaeontological Society of Southern Africa Biennial Meeting, Johannesburg, South Africa.
2014. Dollman, Kathleen N., **Choiniere, Jonah N.** The first detailed description of *Protosuchus haughtoni* cranial pneumatic regions using a CT scan and 3D digital representation. Palaeontological Society of Southern Africa Biennial Meeting, Johannesburg, South Africa.
2014. McPhee, Blair W., **Choiniere, Jonah N.**, Viglietti, Pia A. A second species of *Eucnemesaurus* (Dinosauria: Sauropodomorpha): new information on the diversity and evolution of the sauropodomorph fauna of South Africa's Lower Elliot Formation. Palaeontological Society of Southern Africa Biennial Meeting, Johannesburg, South Africa.
2014. Staunton, Casey K., and **Choiniere, Jonah N.** Forelimb osteology of *Massospondylus carinatus*. Palaeontological Society of Southern Africa Biennial Meeting, Johannesburg, South Africa.
2013. Chapelle, Kimberley E. J., and **Choiniere, Jonah N.** The first detailed cranial description of *Massospondylus carinatus* using a CT scan and 3D digital representation. 1st International Conference on "Imaging with Radiation", Pelindaba, South Africa.
2012. Stiegler, Josef B., **Choiniere, Jonah N.**, Xu, Xing, Clark, James M. A multi-element histological analysis of the Jurassic tyrannosauroid *Guanlong wucaii*. Society for Vertebrate Paleontology Annual Meeting. Raleigh, NC.
2012. Clark, James M., Xu, Xing, **Choiniere, Jonah N.**, Eberth, David A., Chu, Hongjun. The vertebrate fauna of the Middle-Late Jurassic Shishugou Formation of Xinjiang, China: recent discoveries. Society for Vertebrate Paleontology Annual Meeting. Raleigh, NC.
2012. Brusatte, Stephen L., **Choiniere, Jonah N.**, Benson, Roger B., Carr, Thomas D., Norell, Mark A., Theropod dinosaurs from the Late Cretaceous of eastern North America: anatomy, systematics, biogeography and new information from historic specimens. Society for Vertebrate Paleontology Annual Meeting. Raleigh, NC.
2012. **Choiniere, Jonah N.**, Forster, Catherine A., de Klerk, William J. New information on *Nqwebasaurus thwazi*, a coelurosaurian theropod from the Early Cretaceous (Hauterivian?) Kirkwood Formation in South Africa. Society for Vertebrate Paleontology Annual Meeting, Raleigh, NC.
2011. Kirkland, James, Loewen, Mark, DeBlieux, Don, Madsen, Scott, and **Choiniere, Jonah N.** New theropod cranial material from the Yellow Cat Member, Cedar Mountain Formation (Barremian-Basal Aptian), Stikes Quarry, North of Arches National Park, East-Central Utah. Society for Vertebrate Paleontology Annual Meeting, Las Vegas, NV.
2011. **Choiniere, Jonah N.**, Dyke, Gareth, and Norell, Mark A. The anatomy of the parvicursorine braincase and its implications for systematics and evolution of the Alvarezsauroidea. Society for Vertebrate Paleontology Annual Meeting, Las Vegas, NV.
2010. **Choiniere, Jonah N.**, Dimitrov, Dimitar, Anton-Fernandez, Clara, Xu, Xing, 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., Xu, Xing and Forster, Catherine A. Poster presentation: Geobiology Symposium. National Museum of Natural History, Washington, DC.
2009. **Choiniere, Jonah N.**, Clark, James M., Xu, Xing, 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., Xu, Xing. Poster presentation: Society for Vertebrate Paleontology Annual Meeting. Bristol, UK.
2008. **Choiniere, Jonah N.**, Clark, James M., Forster, Catherine A., Xu, Xing. Poster presentation: Society for Vertebrate Paleontology Annual Meeting. Cleveland, OH.

Non-peer-reviewed Publications

2014. **Choiniere, Jonah N.** Dinosaur eggs get ready to hatch their secrets - 200 million years later. *The Conversation Africa*, <https://theconversation.com/africa>.
2011. Glennon, Kelsey and **Choiniere, Jonah N.** Quicker Tofu Prep. *Cooks Illustrated* 114: 16.
2006. Choiniere, Joseph and **Choiniere, Jonah.** Return of the amphibians. *Sanctuary: the Journal of the Massachusetts Audubon Society* 46 (1): 10–12.

Grants

2016. Competitive Program for Rated Researchers, PI. *National Research Foundation, South Africa*: 1,160,000 ZAR (over 3 years).
2016. African Origins Platform, PI. *National Research Foundation, South Africa*: ZAR1,408,967 (over 3 years).
2015. Scatterlings of Africa Programme, PI. *Palaeontological Scientific Trust, Johannesburg*: ZAR 135,280.00 (Fieldwork)
2015. Scatterlings of Africa Programme, PI. *Palaeontological Scientific Trust, Johannesburg*: ZAR 12,000 (Publication Support)
2015. NRF Joint China Collaboration Grant, PI. *National Research Foundation, South Africa*: ZAR200,000.
2015. NRF Rated Researcher Incentive, PI. *National Research Foundation, South Africa*: ZAR 40,000.
2015. Friedel Sellschop Award, PI, *University of the Witwatersrand*: ZAR 120,000.
2015. NRF Centre of Excellence for Palaeosciences, Operational Support (Fieldwork in Kruger National Park), co-PI. *National Research Foundation, South Africa*: ZAR61,980.
2015. NRF Centre of Excellence for Palaeosciences, Operational Support (Enhancing student expertise in archosaur evolution), PI. *National Research Foundation, South Africa*: ZAR30,000.
2014. Research Incentive Funds, PI. *University of the Witwatersrand*: ZAR 58,000.

2014. NRF Rated Researcher Incentive, PI. *National Research Foundation, South Africa*: ZAR 40,000.
2014. NRF Special Recognition, PI. *National Research Foundation, South Africa*: ZAR50,000.
2014. SPARC Thuthuka-like funding, PI. *University of the Witwatersrand*: ZAR 45,000.
2014. Scatterlings of Africa Programme, PI. *Palaeontological Scientific Trust, Johannesburg*: ZAR 10, 000.
(Publication support)
2014. Scatterlings of Africa Programme, PI. *Palaeontological Scientific Trust, Johannesburg*: ZAR 120, 000.
(Conference support)
2014. Friedel Sellschop Award, PI, *University of the Witwatersrand*: ZAR 119,780.
2014. Knowledge and Infrastructure Improvement Grant, PI. *National Research Foundation, South Africa*: ZAR 45,000.
2014. SPARC programme, PI. *University of the Witwatersrand*: ZAR 50,000.
2014. Scatterlings of Africa Programme, PI. *Palaeontological Scientific Trust, Johannesburg*: ZAR 366,600.
(Research support)
2014. Royal Society International Exchanges Grant, co-PI. *The Royal Society, London*, co-PI: £11,850.
2013. Rated Researcher Award, PI, *University of the Witwatersrand*: ZAR 52,500.
2013. CAPEX Grant in Aid of Research, co-PI, *University of the Witwatersrand*: ZAR500,000 for capital equipment.
2013. Friedel Sellschop Award, PI, *University of the Witwatersrand*: ZAR 119,680.
2013. Center of Excellence institutional grant, co-PI, *National Research Foundation, South Africa*: ZAR 11,400,000 per annum for five years (renewable once).
2013. Faculty Startup grant, PI, *University of the Witwatersrand*: ZAR 30,000 (renewable for up to three years)
2013. African Origins Platform Grant, co-PI, *National Research Foundation South Africa #82610*, “South African Devonian-Jurassic Terrestrial Ecosystems”: ZAR 3,862,552 over three years
2012. Equipment grant, PI, *University of the Witwatersrand*: ZAR 21,940
2011. Grant in Aid of Research, co-PI, *University of Cambridge*: £17,000
2011. Jurassic Foundation Grant, PI, *Jurassic Foundation*: \$3084
2011. Waitt Grant, PI, *National Geographic Society*: \$15,000
2009. Mortensen Fund, PI, *The George Washington University*: \$250
2009. Exploration Fund, PI, *The Explorers Club*: \$1500
2009. Jurassic Foundation Grant, PI, *Jurassic Foundation*: \$2500
2009. Jackson School of Geosciences Travel Grant, PI, *Society of Vertebrate Paleontology*: \$1200

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

Awards and Fellowships

September 2014. Elsevier Young Scientist Award. *National Research Foundation*, South Africa.

January 2014. P-rated researcher. *National Research Foundation*, South Africa.

May 2013. Emerging Researcher. *University of the Witwatersrand*

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*

Teaching experience

May 2015: Rhodes University: *Geology III*

July-August 2013–present: The University of the Witwatersrand: *Animal Plant Environmental Sciences 2011: Form and Function (II)*

September 2012–present: The University of the Witwatersrand: *Animal Plant Environmental Sciences 3029: Palaeontology (III)*

October, 2013–present: The University of the Witwatersrand: *Honours Archosaur Evolution*

March, 2014–present: The University of the Witwatersrand: *Honours Systematics*

March, 2013–present: The University of the Witwatersrand: *Photography and photo editing for scientific publication* (short course)

January, 2014–present: The University of the Witwatersrand: *Honours Writing* (short course)

Fall 2009–Spring 2010. The George Washington University, Biology Tutor: *Introductory Biology I & II*.

Fall 2007. The George Washington University, Lab Supervisor: *Introductory Biology I*.

Fall 2004–Fall 2006. The George Washington University, Graduate Teaching Assistant: *Introductory Biology I & II*.

Invited talks and speaker presentations

January 19, 2016. Featured speaker. Probus Club, Bryanston, South Africa.

November 10, 2015. Featured speaker. World Science Day. University of the Witwatersrand, Johannesburg, South Africa.

June 20, 2015. Featured Speaker. Evolution Day. University of the Witwatersrand, Johannesburg, South Africa.

- May 20th, 2015. Guest speaker. Preparators' Training Session. University of the Witwatersrand, Johannesburg, South Africa.
- April 21, 2015. Featured Speaker, University of the Third Age. Rosebank Union Church, Sandton, South Africa.
- February 26th, 2015. Featured Speaker, Natural History Society of Swaziland. The Mountain Inn, Mbabane, Swaziland.
- February 23rd, 2015. Staff at information booth for Evolutionary Studies Institute and Centre of Excellence at NRF SA PhD Project conference.
- February 3rd, 2015. Featured Speaker, Exploration Society of Southern Africa. The Cricket Club, Auckland Park, Johannesburg, South Africa.
- July 28th, 2014. Featured Speaker, DARTS Lecture Series. Ditsong Museum of Military History, Johannesburg, South Africa.
- October 22, 2013. Featured Speaker, Origins Centre Seminar Series. Origins Centre, Johannesburg, South Africa.
- August 27th, 2013. Featured Speaker, UNISA/West Rand Bird Club annual seminar. UNISA Florida Campus, Johannesburg, South Africa.
- August 1st, 2013. Featured Speaker, Science Week. University of the Witwatersrand, Johannesburg, South Africa.
- March 16th, 2013. Featured Speaker, Honorary Ranger Training. SAN Parks, Golden Gate National Park. Clarens, South Africa.
- March 13th, 2013. Featured Speaker. ParkViews, Johannesburg, South Africa.
- February 27, 2013. Colloquium. University of the Witwatersrand, Johannesburg, South Africa.
- March 11th, 2012. Host, Milstein Family Science Sunday. American Museum of Natural History, New York, NY.
- February 19th, 2012. Featured Speaker. New York Paleontological Society. American Museum of Natural History, New York, NY.
- December 13th, 2011. Featured Speaker, Science and Nature Classroom. American Museum of Natural History, New York, NY.
- 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.

Field Experience

October 2015. Elliot Formation, Free State and Eastern Cape, South Africa. Evolutionary Studies Insititute, University of the Witwatersrand in collaboration with University of Oxford, UK.

September 2015. Elliot Formation, Free State. Evolutionary Studies Insititute, University of the Witwatersrand, in collaboration with the Natural History Museum, London.

May 2015. Elliot Formation, Free State and Eastern Cape, South Africa. Evolutionary Studies Insititute, University of the Witwatersrand in collaboration with University of Cape Town.

September 2014. Upper Elliot Formation, Clarens and surrounds, Free State, South Africa. Evolutionary Studies Insititute, University of the Witwatersrand in collaboration with Natural History Museum, London.

August 2014. Elliot Formation, Lady Grey and Dordrecht, Eastern Cape, South Africa. Evolutionary Studies Insititute, University of the Witwatersrand in collaboration with Oxford University.

May 2014. Cynognathus subzone C, Molteno and Environs, Eastern Cape, South Africa. Evolutionary Studies Insititute, University of the Witwatersrand in collaboration with University of Birmingham.

February 2014. Kirkwood Formation, Kirkwood and Environs, Eastern Cape, South Africa. Evolutionary Studies Insititute, University of the Witwatersrand in collaboration with Rhodes University, Albany Museum, Grahamstown, and University of Cape Town.

January 2014. Lower Elliot Formation, Lady Grey and Environs, Eastern Cape, South Africa. Evolutionary Studies Insititute, University of the Witwatersrand.

November 2013. Kirkwood Formation, Sunday's River Formation, Eastern Cape, South Africa. Evolutionary Studies Insititute, University of the Witwatersrand, in collaboration with Rhodes University, Albany Museum, Grahamstown, Oxford University.

2013. Elliot and Clarens Formations, Barkley East and environs, Eastern Cape, South Africa. Bernard Price Institute, University of the Witwatersrand.

2013. Elliot Formation, Clarens, Free State, South Africa. Bernard Price Institute, University of the Witwatersrand.

2012. Elliot Formation, Clarens, Free State, South Africa. Bernard Price Institute, University of the Witwatersrand.

2012. Mongolian American Expedition, Mongolia. American Museum of Natural History

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

Media and Outreach Experience

- December 6th, 2015. Sunday Times focus article. Johannesburg. Estimated readership: 455,000.
- December 4th, 2015. Timeslive online article. Johannesburg. <http://www.timeslive.co.za/thetimes/2015/12/04/In-footsteps-of-monsters>
- November 29th, 2015. Sunday Times focus article. Johannesburg. Estimated readership: 455,000.
- November 23, 2015. Guest on Science Inside Podcast. VOW FM, Johannesburg.
- November 10, 2015. World Science Day.
AVE value: ZAR772800
- September 22, 2015. Media rollout for the description of *Pulanesaura eocollum* (new dinosaur).
AVE value: ZAR495,960.63
PR value: ZAR 6,374,736.30
- September 21st, 2015. Guest on Science Inside podcast. VOW FM, Johannesburg.
- June 24, 2015. Media rollout for the description of *Sefapanosaurus zastronensis* (new dinosaur).
AVE value: ZAR2.2 million
PR value: ZAR8 million
- June 20, 2015. Blog post for *The Conversation Africa*, <https://theconversation.com/africa>.
- June 2, 2015. Interviewee on PowerFM. Johannesburg, South Africa:
<http://www.powerfm.co.za/>.
- May 11, 2015. Contributor to Minnesota Public Radio Science Night. Minneapolis, USA.
- March 7th, 2015. Two-page center spread in *Beeld*. Estimated readership: 485,000.
- March 7th, 2015. Two-page center spread in *Die Burger*. Estimated readership: 497,000.
- September 25th, 2014. Press release and media rollout for P-rating.
Coverage value: ZAR136,938.16

- September 23rd, 2014. Interviewee for Maropeng Blog, Cradle of Humankind, South Africa.
<http://www.maropeng.co.za/news/entry/wits-researchers-receive-accolades-at-the-national-research-foundations-ann>
- September 15th, 2014. Interview for P-rating. News24, Cape Town, South Africa.
- July 10-14th, 2014. Press release and media rollout for the Palaeontological Society of Southern Africa's Biennial Meeting.
Coverage value (AVE): ZAR409,000
PR Value: R1,600,000
- July 13, 2014. Interviewee RSG radio, South Africa.
- July 12, 2014. Interviewee SAFM radio, South Africa.
- August 16, 2013. Press release, University of the Witwatersrand. Johannesburg, South Africa.
<http://pressoffice.mg.co.za/witsuniversity/PressRelease.php?StoryID=242028>
Coverage value: R143 978
- May 7th, 2013. Interviewee on "101.9 CHAI FM Afternoon Show". Johannesburg, South Africa.
- May 2nd, 2013. Press release, University of the Witwatersrand. Johannesburg, South Africa.
http://www.wits.ac.za/newsroom/newsitems/201305/19964/news_item_19964.html
Coverage value: R680 102 000
- March 7, 2013. Interviewee for article on dinosaur extinctions, Maropeng Blog, Gauteng Province, South Africa,
www.flowsa.com.
- January 18th, 2013. Interviewee for article on Golden Gate National Park, Getaway Magazine, Johannesburg, South Africa
- December, 2012. Interviewee on "The Midday Report with Stephen Grootes", Talk Radio 702, Johannesburg, South Africa
- 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.

Volunteer experience

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

1995–2005. Massachusetts Audubon Society, *Volunteer*

Professional memberships

2015–present. Royal Society of South Africa

2015–present. Paleontological Society

1997–present. Phi Beta Kappa

2007–present. Society for Vertebrate Paleontology

2008–present. Society for Integrative and Comparative Biology

2009–present. Explorer's Club

Service

November 2015. NRF TWAS and FISS panel.

2014–present. Judge, Taylor and Francis Best Student Paper Award.

2014–present. Committee Member, Palaeontological Society of Southern Africa.

2013–present. Editor, *Palaeontologia africana*.

2013–2014. Meeting Chair, Palaeontological Society of South Africa Annual Meeting.

2010–present. Reviewer: *Proceedings of the Royal Society, Series B*; *Palaeogeography, Palaeoclimatology, and Palaeoecology*; *Journal of Vertebrate Paleontology*; *PLoS ONE*; *Cretaceous Research*; *Zootaxa*; *Acta Palaeontologica Polonica*; *Geosciences*; *Fieldiana*; *American Museum Novitates*; *PeerJ*; *Scientific Reports*;

Other Service Activities

2014–present. Advisor to South African artist Maggie Newman on reconstructions of Stormberg ecosystems for commissioned works.

2012–present. Advisor to South African artist David Huni on metal dinosaur sculptures exhibited at: Yebo Gogga, Kirstenbosch Botanical Garden, Durban Botanical Garden, Bloemfontein Expo Center.

References

Bruce Rubidge, Professor of Geosciences
Director of the Bernard Price Institute for Palaeontological Research
Department of Geosciences
University of the Witwatersrand
Private Bag 3
Johannesburg, South Africa
WITS 2050
Bruce.rubidge@wits.ac.za; 0117176685

Mark A. Norell, Chairman and Curator-in-charge, Fossil Amphibians, Birds, and Reptiles
Division of Paleontology
American Museum of Natural History
Central Park West at 79th Street
New York, NY 10024
norell@amnh.org; (212)-769-5804

James M. Clark, Ronald Weintraub Professor of Biology
Department of Biological Sciences
George Washington University
2023 G Street NW, Lisner Hall #340
Washington, DC 20052
jclark@gwu.edu; (202)-994-7144

Catherine A. Forster, Associate Professor of Biology
Department of Biological Sciences
George Washington University
2023 G Street NW, Lisner Hall #340
Washington, DC 20052
forster@gwu.edu; (202)-994-1008

Xu Xing, Professor
Chinese Academy of Sciences

Institute for Vertebrate Paleontology and Paleoanthropology
Key Laboratory of the Evolutionary Systematics of Vertebrates
142 Xiwai Street
Beijing, China 100044
xu.xing@ivpp.ac.cn; 8610 88369196