

JACQUELINE KINSEY LUNGMUS

DEPARTMENT OF ORGANISMAL BIOLOGY AND ANATOMY
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REFERENCES

DR. ZHE XI LUO

University of Chicago

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DR. ADAM HUTTENLOCKER

University of Southern California

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Professional Preparation

2014	B.A.	Biological Anthropology and Paleobiology	University of Washington
2016	M.S.	Organismal Biology and Anatomy	University of Chicago
2020 <i>expected</i>	PhD.	Organismal Biology and Anatomy	University of Chicago

Research Products

Lungmus, J.K., Angielczyk, K.D. 2016. *Oral presentation.* Morphometric analysis of pelycosaur-grade synapsid pectoral elements reveals decreasing disparity towards Therapsida. Society of Vertebrate Paleontology. Salt Lake City

Lungmus, J.K., Angielczyk, K.D. 2016. *Oral presentation.* Functional morphology of the pectoral girdle and forelimbs of a new burrowing cistecephalid dicynodont (Therapsida: Anomodontia). International Congress on Vertebrate Morphology. Washington, D.C.

Lungmus, J.K., Angielczyk, K.D., Sidor, C.A., Nesbitt, S.J., Smith, R.M., Steyer, J-S., Tabor, N.J., Tolan, S. 2015. *Poster Presentation.* A new cistecephalid dicynodont (Therapsida: Anomodontia) from the Mid-Zambezi Basin (Zambia) and its fossorial adaptations. Society of Vertebrate Paleontology, winner Colbert Student Poster Prize. Dallas

Awards and Grants

- 2016 **Hinds Endowment Grant**, “Morphological Disparity in Permian Synapsids and the Evolution of High Functional Diversity”, funding total of \$1,700 for research related travel to museums
- 2015 **Winner of Edwin H. and Margaret M. Colbert Prize** for best student poster, “A new cistecephalid dicynodont (Therapsid: Anomodontia) from the Zambezi Basin (Zambia) and its fossorial adaptations”, Society of Vertebrate Paleontology Annual Meeting, Dallas
- 2014 **College Honors** in Biological Anthropology, University of Washington

Outreach Activities

Education Outreach:

- 2017, Volunteer at Field Museum’s “**Dozin with the Dinos**” (2016), teaching school groups and museum guests.
- 2016, Volunteer at Field Museum of Natural History’s “**Identification Day**”, teaching and identifying osteological material for museum guests.
- 2016 – present, organizer of **Vertebrate Paleontology Reading Group**, weekly meeting between graduate and undergraduate students with Field Museum curators to discuss paleontological topics
- 2011-2014, **Docent** at Washington State Burke Museum of Natural History and Culture

Teaching:

- 2011, 2013, **HONORS 100**, instructor of introductory courses to undergraduate Honors Program students at the University of Washington
- 2015, **BIOS 23262 Mammalian Evolutionary Biology** (University of Chicago), teaching assistant to K.D. Angielczyk and Z.X. Luo

Fieldwork:

- 2015 – present, Maroon (Permian) and Chinle (Triassic) Formations of Northwest Colorado, prospecting new localities and reopening historic localities in the, collaboration with University of Utah, University of Calgary, and Natural History Museum of Utah
- 2014, Chinle Formation (Triassic) of Petrified Forest National Park, collecting archosauriform (Reptilia) fossils, participant with the University of Washington
- 2014, Hell Creek Formation (Cretaceous) of Northeastern Montana, participant in Hell Creek Project III, field work collecting dinosaur and mammal fossils, University of Washington, funded by NSF

Methodological Training

- Extensive experience with micro-computed tomography (Micro CT) scanning technology
- Proficient in CT scan segmentation technology Mimics
- Experimented with Diffusible Iodine Contrast Enhanced CT (DiceCT) of soft tissue samples for virtual dissection and research
- Experience utilizing 3D printing technology, and using the models for functional morphological research
- Extensive experience in 2D and 3D morphometrics technology
- Proficient in R programs