

**Daniel P. Rhoda**  
[drhoda6@gmail.com](mailto:drhoda6@gmail.com)  
[danielrhoda@uchicago.edu](mailto:danielrhoda@uchicago.edu)  
 +1 (317) 640-2119  
 University of Chicago  
 Committee on Evolutionary Biology

---

## Education

2020 – **PhD Student** Committee on Evolutionary Biology, University of Chicago  
 2020 **B.S. in Biology** Indiana University (Advisors: P. David Polly, Spencer Hellert)

## Publications

**Rhoda, D.**, Segall, M., Larouche, O., Evans, K., Angielczyk, K.D. 2021. Local superimpositions facilitate morphometric analysis of complex articulating structures. *Integrative and Comparative Biology*  
**Rhoda, D.**, Polly, P.D., Raxworthy, C., Segall, M. 2021. Morphological integration and modularity in the hyperkinetic feeding system of aquatic-foraging snakes. *Evolution*

## Conference Abstracts

**Rhoda, D.**, Angielczyk, K.D. 2021. Morphological Diversification along Allometric Lines of Least Resistance in the Ruminant Skull. Society of Vertebrate Paleontology. *Virtual oral presentation*  
**Rhoda, D.**, Segall, M., Polly, P.D., Raxworthy, C. 2021. Causes and Consequences of Morphological Integration in the Hyperkinetic Snake Skull. Society for Integrative and Comparative Biology. *Virtual oral presentation*  
**Rhoda, D.**, Polly, P.D. 2020. A Heterochronic Line of Least Evolutionary Resistance Mediates Functional Trade-offs Between Feeding and Hydrodynamic Performance in *Vinlandostrophia* spp. Geological Society of America. *Virtual oral presentation (Future Leaders in Paleontology Session)*  
**Rhoda, D.**, Segall, M. 2020. The Hyperkinetic Foraging System of Snakes is Highly Integrated. Society of Vertebrate Paleontology. *Virtual oral presentation*  
**Rhoda, D.**, Hellert, S.M., Polly, P.D. 2019. Shifting Patterns of Functional Integration During the Evolution of Flight in Theropods. Society of Vertebrate Paleontology. *Poster presentation*  
**Rhoda, D.**, Segall, M. 2019. Morphological Integration in the Trophic Bones of Aquatic-foraging Snakes. American Museum of Natural History Summer REU Symposium. *Oral presentation*.  
**Rhoda, D.**, Segall, M. 2019. Functional and Phenotypic Modularity in the Trophic Bones of Aquatic-foraging Snakes. Great Lakes Student Paleoconference. *Oral presentation*.  
 Hellert, S.M., **Rhoda, D.**, Polly, P.D. 2019. Evolutionary Constraint of the Diversification of Avian Limbs. International Congress of Vertebrate Morphology. *Oral presentation*.  
 Hellert, S.M., Polly, P.D., **Rhoda, D.** 2019. Evolutionary Constraint of the Diversification of Avian Limbs. Society of Vertebrate Paleontology. *Oral presentation*.  
**Rhoda, D.**, Hellert, S.M., Polly, P.D. 2018. Shifting Patterns of Functional Integration During the Evolution of Flight in Theropods. Geological Society of America. *Poster presentation*.  
 Hellert, S.M., **Rhoda, D.**, Polly, P.D. 2018. Evolutionary Constraint of the Diversification of Avian Limbs. Geological Society of America. *Oral presentation*.

**Rhoda, D.,** Polly, P.D. 2017. Phylogenetic Supertree of North American Carnivorans: Procyonidae and Canidae. Crossroads Geology Conference. *Poster presentation.*

### **Employment**

2018-2020      Indiana University Paleontology Collection (IUPC) – Curatorial Assistant

### **Grants and Awards**

2020-2025      NSF Graduate Research Fellowship (\$138,000)  
 2020              Executive Dean’s Award for Undergraduate Research and Creative Activity (IU)  
 2020              Geological Society of America’s Future Leaders in Paleontology session (\$100)  
 2020              IU Biology Department’s Undergraduate Research Award (\$1500), awarded for best manuscript written by an undergraduate (Rhoda et al. 2021, *Evolution*)  
 2020              IU Biology Department’s Fox Glen Research and Education Award (\$500)  
 2019              NSF REU at the American Museum of Natural History (~\$6000)  
 2019              Jackson School of Geosciences Student Travel Grant (\$600)  
 2019              Hutton Honors College Research Grant (\$3000)  
 2019              IU Earth and Atmospheric Sciences’ Professional Development Award  
 2019              Hutton Honors College Travel Grant (\$600)  
 2018              IU Earth and Atmospheric Sciences’ N. Gary Lane Beginning Geologist Award  
 2016-2020      Provost’s Scholarship  
 2016-2020      Hutton Honors College

### **Outreach**

2019              Volunteer for the LANG Program at the American Museum of Natural History (July 24, New York, New York).  
 2018              Co-led the Library “Rocks!” Program at Brown County Library (July 12 & 19, Brown County, Indiana).  
 2017              Volunteer at Science Fest (October 21, Bloomington, Indiana).

### **Computer Languages**

Proficient: R, Mathematica

Developing proficiency: bash, Python, SQL

### **Software Proficiency, Experience, and Technical Skills**

**Data Analysis** – R, Mathematica, Past3

**3D Modeling & Processing** – Slicer, VGStudio MAX, Geomagic, MeshLab, FIJI/ImageJ, SPIERS

**Phylogenetics** – Mesquite, Phylip, TNT, RAxML, R (Metatree pipeline)

**Landmark Acquisition** – MorphoDig, IDAV Landmark, tpsDIG/tpsUTIL, FIJI, R

**Finite Element Analysis** – OpenFOAM (Computational Fluid Dynamics), FEBio

### **Professional Affiliations**

Society of Vertebrate Paleontology, Geological Society of America, Paleontological Society, Society for Integrative and Comparative Biology