***CURRICULUM VITAE***

**JAMES V. ANDREWS**

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EDUCATION

2024 **Ph.D. in Earth and Environmental Sciences**, University of Michigan; Advisor: Matt Friedman.

2015 **B.S. in Biology**, University of North Carolina at Wilmington

PROFESSIONAL POSITIONS

2024– Postdoctoral Research Fellow, University of Michigan; Advisor: Hernán López-Fernández

2024 Postdoctoral Research Assistant, University of Michigan; Advisor: Matt Friedman

PUBLICATIONS

**Andrews JV**, Shirley EA, Figueroa RT. 2025. Vertebrates of the Blue Ridge Esker (Mississippian, Marshall Sandstone) of Michigan. Contributions from the Museum of Paleontology, University of Michigan 36, 3: 43–58. [doi.org/10.7302/25119](https://doi.org/10.7302/25119)

Davesne D, **\*Andrews JV**, Beckett HT, Giles S, Friedman M. 2024. Three-dimensional anatomy of the early Eocene *Whitephippus* (Teleostei, Lampriformes) documents parallel conquests of the pelagic environment by multiple teleost lineages. *Journal of Vertebrate Paleontology* e2284998. [doi.org/10.1080/02724634.2023.2284998](https://doi.org/10.1080/02724634.2023.2284998)

Friedman M, **Andrews JV**, Saad H, El-Sayed S. 2023. The Cretaceous/Paleogene transition in spiny-rayed fishes: surveying “Patterson’s Gap” in the acanthomorph skeletal record. *Geologica Belgica* 26, 1-2: 1–23. [doi.org/10.20341/gb.2023.002](https://doi.org/10.20341/gb.2023.002)

**Andrews JV**, Schein JD, Friedman M. 2023. An earliest Paleocene squirrelfish (Teleostei: Beryciformes: Holocentroidea) and its bearing on the timescale of holocentroid evolution. *Journal of Systematic Palaeontology* 21, 1: 2168571. [doi.org/10.1080/14772019.2023.2168571](https://doi.org/10.1080/14772019.2023.2168571)

Kolmann MA, Nagesan RS, **Andrews JV**, Borstein S, Figueroa RT, Singer R, Friedman M, López‐Fernández H. 2023. DiceCT for Fishes: Recommendations for pairing iodine contrast agents with μCT to visualize soft tissues in fishes. *Journal of Fish Biology* 102, 4: 893–903. [doi.org/10.1111/jfb.15320](https://doi.org/10.1111/jfb.15320)

Figueroa RT, **Andrews JV**. 2022. Fitting fangs in a finite face: A novel fang accommodation strategy in a 280-million-year-old ray-finned fish. *Journal of Anatomy* 242, 3: 525–534. [doi.org/10.1111/joa.13798](https://doi.org/10.1111/joa.13798)

**\***Denotes co-first authorship.

PUBLICATIONS IN REVIEW or REVISION

**Andrews JV**, Figueroa RT, Shirley E. In Revision. Vertebrates of the Blue Ridge Esker (Mississippian, Marshall Sandstone) of Michigan. *Contributions from the Museum of Paleontology, University of Michigan*.

OUTREACH, DIVERSITY, EQUITY, and INCLUSION

**University of Michigan Museum of Paleontology DEI 2.0 contributor**, University of Michigan, 2024: collaborated with University of Michigan Museum of Paleontology personnel to write a multi-year, unit-specific Diversity, Equity, and Inclusion plan with action items, metrics for success, and delineated responsibilities.

**Supporting Tomorrow’s Researchers and Today’s Advocates (STRATA) mentor**, North American Paleontological Congress, 2024: met with multiple early-career graduate student mentees to aid in navigating conference attendance and academic interpersonal relationships.

**Paleontological Society Respectful Inclusive Scientific Events (RISE) liaison**, North American Paleontological Congress, 2024: monitored for non-inclusive and predatory behaviors among conference attendees.

**Science Communication Fellow**, University of Michigan, 2018 – : generation of NSF-framework ‘Portal to the Public’ outreach kit for science communication and public engagement; communicating science to children and adults without science backgrounds.

**Service Learning and Trans-disciplinary Education program mentor**, University of Michigan, 2018-2020: mentor to a K–12 mentee, working to reduce socioeconomic disparities by creating a meaningful relationship focused on emotional and scholastic support.

PROFESSIONAL DEVELOPMENT and EXPERIENCE

**Graduate studies in vertebrate paleontology**, University of Michigan, 2018 – : vertebrate anatomy; vertebrate systematics; phylogenetic methods; Phanerozoic stratigraphy; supervision of students; virtual data acquisition and management; research grant writing; specimen photography and illustration.

**Museum Assistantship**, University of Michigan Museum of Paleontology, 2022: database management; specimen handling and packing; collection management best practices; collections organization; collaboration with museums staff.

AWARDS and GRANTS

2023 Fierke Family Endowed Fellowship Award, University of Michigan. $3,500.

 Ermine Cowles Case Student Award, University of Michigan. *Awarded for best student paper in paleontology.*

2021 Graduate Student Research Award, Society of Systematic Biologists. $3,000.

 Harry B. Wittington Award, Paleontological Society. $1,200.

2020 Co-PI. NSF Award #2017822. “Snapshots from the ancient Indo-Pacific: remarkable Eocene fish faunas and their Implications for the origin of a modern marine biodiversity hotspot.” Award amount: $346,910.

2019 Rackham Merit Fellowship, University of Michigan. *Funding in support of 4 semesters.*

2018 Scott Turner Award, University of Michigan. $1,495.

Earth and Environmental Sciences graduate program start-up funds, University of Michigan. $2,000.

Pre-candidacy Departmental Fellowship, University of Michigan. *Funding in support of 1 semester.*

2015 Undergraduate Research Scholar Award, University of North Carolina at Wilmington.

2014 James Böhlke Memorial Endowment Fund, Academy of Natural Sciences of Philadelphia. *Student travel award.*

CONFERENCE PRESENTATIONS (TALKS)

**Andrews JV**, Capobianco A, Friedman M. Micro-computed tomography reveals the internal anatomy of Paleocene *Magnigena arabica* (Teleostei: Osteoglossomorpha: Osteoglossidae). *North American Paleontological Convention 2024* (Ann Arbor, Michigan 2024).

**Andrews JV**, Friedman M.A fossilized birth-death phylogeny of early Late Cretaceous spiny-rayed fishes (Teleostei: Acanthomorpha). *The 6th International Palaeontological Congress* (Khon Khaen, Thailand 2022).

**Andrews JV**, Friedman M, Schein JD.A new Danian squirrelfish (Acanthomorpha: Holocentridae) reveals extensive survivorship across the Cretaceous-Paleogene boundary. *Society of Vertebrate Paleontology Annual Meeting* (Virtual 2021)

**Andrews JV**, Friedman M. Three-dimensional morphometry of otoliths as a tool for quantifying habitat and locomotor diversity in modern and fossil teleosts. *Society of Vertebrate Paleontology 80th Annual Meeting* (Virtual 2020).

**Andrews JV**, Friedman M, Schein JD. Anatomy and implications of the earliest occurring crown squirrelfish (Teleostei: Holocentridae) from near the Cretaceous-Paleogene boundary. *12th International Conference of Vertebrate Morphology* (Prague, 2019).

CONFERENCE ORGANIZATION

2024 North American Paleontological Convention (Ann Arbor, MI 2024)

2019 3rd Great Lakes Student Paleoconference (Ann Arbor, MI 2019)

TEACHING, MENTORSHIP, and OUTREACH EXPERIENCE

 2024 Graduate Student Instructor for EARTH 119: *Introduction to Geology* (University of Michigan)

2022 Graduate Student Instructor for EARTH 331: *Climate and Climate Change* (University of Michigan)

2020 Graduate Student Instructor for EARTH 222: *Introduction to Oceanography* (University of Michigan)

2019 Undergraduate Research Opportunities Program (UROP) mentor

 Graduate Student Instructor for EARTH 119: *Introduction to Geology* (University of Michigan)

2018 Graduate Student Instructor for EARTH 201: *Introduction to Physical Geography* (University of Michigan)

Service Learning and Trans-disciplinary Education (SLATE) program mentor

 Science Communication Fellow with the University of Michigan Museum of Natural History

FIELDWORK EXPERIENCE

2024 Late Devonian invertebrate and vertebrate fossil prospecting and collecting in the Cleveland Shale (Greater Cleveland, Ohio).

2023 Middle Mississippian invertebrate and vertebrate fossil prospecting and collecting in the Marshall Sandstone (Jackson, Michigan).

2022 Middle Devonian invertebrate and vertebrate fossil prospecting and collecting in the Traverse Group (Northern Michigan).

2019 Devonian invertebrate and vertebrate fossil prospecting and collecting in the Catskill Group (Hyner, PA).

2018 Late Cretaceous invertebrate and vertebrate fossil prospecting and collecting in the Niobrara Formation (Western Kansas).

PROFESSIONAL SOCIETY MEMBERSHIPS

Society of Vertebrate Paleontology; The Palaeontological Association; Paleontological Society, American Society of Ichthyologists and Herpetologists; Society of Systematic Biologists

JOURNALS SERVED AS REVIEWER

Ichthyology & Herpetology

Palaeontologia Electronica

Neotropical Ichthyology