

MELANIE JANE HOPKINS
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American Museum of Natural History
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CURRENT POSITIONS

Chair, Division of Paleontology, AMNH
Curator-in-Charge, Fossil Invertebrates, Division of Paleontology, AMNH
Associate Professor, Richard Gilder Graduate School, AMNH
Science Faculty, Masters in the Arts of Teaching Program, AMNH
Dissertation Sponsor, Department of Earth and Environmental Sciences, Columbia University

PROFESSIONAL RECOGNITION

2021 Charles Schuchert Award, Paleontological Society

EDUCATION

2010 Ph.D., paleontology, Dept. of the Geophysical Sciences, University of Chicago
Title of dissertation: “Intraspecific variation, its geographic structure, and the relationship between variation and duration, with examples from Cambrian trilobites and Recent fiddler crabs”. Advisor: Mark Webster
2002 B.Sci., geology, Dept. of Geological and Environmental Sciences, Stanford University, CA

FULL PUBLICATION LIST:

<https://www.researchgate.net/profile/Melanie-Hopkins>
<https://scholar.google.com/citations?user=Dlcm6loAAAAJ>

FUNDING HISTORY (last 5 years)

2022 PI, “Faunal turnover and extinction selectivity across the end-Ordovician mass extinction: the view from Anticosti Island, Quebec”, Niarchos Foundation Expedition grant
2019-2024 PI, “CAREER: A comparative study of two trilobite diversification events to advance understanding of early animal evolution”. National Science Foundation GEO/EAR/SGP Program
2019-2026 Co-PI, “Investigating teacher retention, persistence, and effective teaching in high-needs schools: and exploratory cross-program study”. National Science Foundation (Noyce program)
2019-2026 Co-PI, “Earth science teacher urban residency program: a partnership between a museum and secondary schools”. National Science Foundation (Noyce Program)

SELECTED PROFESSIONAL SERVICE

2022-present Editorial Board, *Paleobiology*
2021-present Editorial Board, *Eastern Paleontologist*
2019-present Advisory Board, Paleosynthesis Center, Universität Erlangen-Nürnberg
2018-present Executive Committee, MorphoBank
2017-present Managing Board, PCI Paleo
2016-present Executive Committee, Paleobiology Database

MENTORING

Postdoctoral

David Wright (2018-2020) Selina Cole (2018-2020) James Lamsdell (2016)

Graduate

As primary advisor: Mark Nikolic (PhD, expected 2025), Ernesto Vargas-Parra (PhD, expected 2023), Alexandra Buczek, (PhD, conferred 2020)

As committee member: Katherine Jordan (PhD, University of Nebraska Lincoln, expected 2024), Amelia Zietlow (PhD, AMNH, expected 2024), Tobit Liyandja, (PhD, AMNH, expected 2023), James Napoli, (PhD, AMNH, graduated 2022), Johannes Neumann, (PhD, AMNH, graduated 2022), Anna Holden (PhD, AMNH, graduated 2018), Danny Barta (PhD, AMNH, graduated 2018)

Undergraduate (often co-advised with colleagues!)

Claire Kipp (2022-present), Sandy Cui (2021), Rebecca To (2020), Jonas Mondschein (2020), Esteban López Murillo (2019), Opal Perron-Feller (2018), Reid Alber (2018), Paige Funkhouser (2016-2017), Margaret Rubin (2016), Kelsey Barnhill (2016) J. Kirk Pearson (2015), Katharyn Padavano (2014), Katharine Thomas, (2014), Kelsey Hampton (2013), Amanda Brase (2013)

PRESENTATIONS

Invited academic seminar series at: University of Northern Iowa, Stony Brook University, Stanford University, Texas A&M, Universität Erlangen-Nürnberg, Harvard University, Yale University, University of California Berkeley, University of Iowa, Denver Museum of Nature and Science, Swarthmore College, Smithsonian, St. Lawrence University, University of Texas Austin, Museum für Naturkunde Berlin, University of Nebraska Lincoln

Invited talks for broad audiences at: Rochester Academy of Science, New York Paleontological Society, Society for Ethical Culture, Folk Art Museum

Invited talks as part of academic thematic workshops: Biosphere 2 (Arizona), Royal Society (Milton Keynes, UK), Northwest University (Xi-an, China), Joint NSF- and NSFC-sponsored (Ghangzhou, China), Linnean Society of London, University of Michigan

Regular conference presentations, including invited keynotes at: Geological Society of American Annual Meeting, Palaeontological Association Annual Meeting, Paläontologische Gesellschaft Annual Meeting, North American Paleontological Congress Symposium, Crustacean Society Meeting, International Palaeontological Conference, International Conference on Trilobites and their Relatives, Society for the Study of Evolution Annual Meeting, Society for Integrative and Comparative Biology Annual Meeting

Online (AMNH):

<https://www.youtube.com/watch?v=8xxWH15rVBg>

<https://www.youtube.com/watch?v=GwLuSnrK-8I>

https://www.youtube.com/watch?v=3IMk_N-O-4

<https://www.youtube.com/watch?v=AZuwOgcS1W0>

<https://www.youtube.com/watch?v=4x4xI9KupaY>

FIELD WORK EXPERIENCE (last 20 years)

Western U.S. (Nevada, Idaho, Utah, California)

Eastern U.S. (New York, Pennsylvania, New Jersey)

Anticosti Island (Quebec, Canada)

Spitsbergen (Svalbard)

Gotland (Sweden)

Alaska (Alaska Range, Talkeetna Mountains)