

# Katherine Marriott

PALEONTOLOGIST - GRADUATE RESEARCHER - ADJUNCT LECTURER

[katelomedicomarriott@gmail.com](mailto:katelomedicomarriott@gmail.com)

[katelomedicomarriott.com](http://katelomedicomarriott.com)



**Master's candidate** with intent to begin a PhD in 2022. Research experience and **30+ papers in Jurassic-Cretaceous ammonites, Miocene-Holocene artiodactyls and birds, recent arachnids and crustaceans. Lead author of book *Evolution of the Ammonoids* (CRC Press). Adjunct lecturer in geosciences** committed to dismantling the ways trauma and ableism operate in academia; **affiliate faculty in Brooklyn College Women's Leadership Mentor Symposium.**

Presentation: [Pal\(a\)eoPERCS - Kate LoMedico Marriott - YouTube](#)

## Education

<b>Brooklyn College, City University of New York</b> Candidate: Master of Science in Earth and Environmental Sciences <b>Committee:</b> Dr. John A. Chamberlain, Jr. (advisor), Jennifer Basil, David E. Seidemann, Jennifer Cherrier <b>MS Thesis Title</b> (2021): "Evolutionary implications of fractal ontogeny in Lytoceratid ammonoids"	2019-2021
<b>State University of New York at New Paltz</b> Bachelor of Arts, Major: Visual Arts, Minor: Geology Advisors: Emily Puthoff (Art) and Dr. Alex Bartholomew (Geology)	2013-2017
<b>School of Art+Design, Purchase College, State University of New York</b> Sculpture and 3D Media (transferred) Advisor: Kate Gilmore	2009-2012

## Book (in press)

**\*Marriott, K.**, with contributions by Bartholomew, A., and Prothero, D.R. (2022) "*Evolution of the Ammonoids.*" CRC Press /Taylor and Francis Publishing Group.

## Invited Publications

1. **Marriott, K.**, (2021). "Reconstructing ammonoid soft parts: Western-Interior Seaway *Didymoceras.*" *A Tribute to U.S. Geological Survey Geologist and Paleontologist W.A. Cobban (1916-2015): American Association of Petroleum Geologists Bulletin.*

## Accepted Publications *\*MS thesis*

2. Prothero, D.R., Domning, D., Foss, S., Holbrook, L., Lucas, S., **Marriott, K.**, Naish, D., Padian, K., Rössner, G., Spaulding, M., Theodor, J., and Uhen, M., (2021). "On the unnecessary and misleading taxon 'Cetartiodactyla.'" *Journal of Mammalian Evolution.*
3. **\*Marriott, K.**, and Chamberlain, J.A., (2021). " Uses for incomplete ammonite sutures: lateral lobe and second saddle as markers of sutural complexity." *MDPI Geosciences.*

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4. **Marriott, K.**, Prothero, D.R., (2022). "Variability of the horns of pronghorns (Mammalia: Artiodactyla: Antilocapridae): Implications for pronghorn systematics." *New Mexico Museum of Natural History Bulletin*.

[Please email me for full CV, including papers, books, and monographs in press and preparation.](#)

#### Conferences Attended

Student Research Symposium, SUNY New Paltz, New Paltz, NY	2014
Northeast Geological Society of America, Albany, NY	2016
Central New York Earth Science Student Symposium, Syracuse University, NY	2017
Geological Society of America Annual Meeting, GSA Connects	2020
Progressive Paleontology, Palaeontological Association, University of Leeds, UK	2020
Palaeontological Association Annual Meeting, Oxford University, UK	2020
Progressive Palaeontology, University College London	2021
Geological Society of America National Meeting, Portland, OR	2021
Palaeontological Association Annual Meeting	2021

#### Invited Talk

**Marriott, K.**, (2021). "[Doing Justice to the Incredible Biodiversity of Ammonites: Mathematical and Visual Perspectives.](#)" Pal(a)eoPERCS.

#### Conference Presentations *\*as presenter*

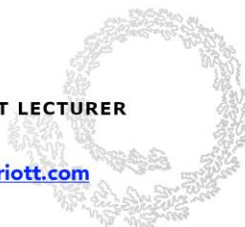
1. **\*Marriott, K.**, and Chamberlain, J.A., (2021). "Extrapolating Ammonite Hemisuture Analysis from Partial (Lateral) Suture Components." Progressive Palaeontology, Palaeontological Association 2021 at University College London.
2. Olson, S., White, R.S., Prothero, D.R., Balassa, D., **Marriott, K.**, and Syverson, V.J.P, (2021). "Ontogenetic Growth in the Pleistocene Pronghorn *Stockoceros* from San Josecito Cave, Mexico." Society of Vertebrate Paleontology Annual Meeting.

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3. **\*Marriott, K.** (2020). "Sedimentological and Morphological Basis for Probable Life Appearance of Nostoceratid Heteromorph Ammonoids." Progressive Palaeontology 2020, Palaeontological Association at University of Leeds, Yorkshire Museum.

### Conference Posters *\*as presenter*

1. **\*Marriott, K.**, and Chamberlain, J.A., (2021). "Extrapolating Incomplete Ammonite Sutures in the Fractal Step Method." Geological Society of America Annual Meeting, Portland, Oregon.
2. Olson, S., White, R.S., Prothero, D.R., Balassa, D., **Marriott, K.**, and Syverson, V.J.P, (2021). "Ontogenetic Growth in the Pleistocene Pronghorn *Stockoceros* from San Josecito Cave, Mexico." Geological Society of America Annual Meeting, Portland, Oregon
3. Balassa, D., Prothero, D.R., Olson, S., and **Marriott, K.** (2021). "Did Pronghorns Become Smaller After the Ice Ages?" Progressive Palaeontology, Palaeontological Association 2021 at University College London.
4. **\*Marriott, K.** (2020). "A New Approach to the Step Method for Fractal Ontogenies." Palaeontological Association 2020 Annual Meeting.
5. **\*Marriott, K.** (2020). "Applying Morphological Evidence from Exceptionally-Preserved Heteromorph Ammonoids to Reconstruct Life Appearance and Biodiversity." GSA Connects 2020, Geological Association of America session T70. Cephalopods Present and Past: Insights into Evolution, Paleobiology, and Links to Paleoenvironmental Change.
6. Nolte, K., Bylott, C., **Marriott, K.**, Bartholomew, A., Mass, S., and Haselton, A. (2014). "Assessing 3D Technology for Morphometric Research." SUNY New Paltz Student Research Symposium.

### Teaching Experience

<b>Adjunct Lecturer</b> CUNY Brooklyn College Department of Earth and Environmental Sciences	2021-
<b>Tutor/Exam Prep, Invertebrate Paleontology</b> SUNY New Paltz Geology Department	2017

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<b>Teaching Assistant (TA), Invertebrate Paleontology Lab</b> SUNY New Paltz Geology Department	2016
Honors and Awards	
<i>New Paltz: The Alumni Magazine</i> Featured Alum, " <a href="#">From Mermaids to Museums</a> "	2021
<a href="#">The Ocean Artists Society</a> Membership WYLAND Worldwide, Irvine, California	2020
<a href="#">Illustraciencia: The International Award on Scientific Illustration</a> Spanish National Museum of Natural Sciences, Madrid Catalan Association For Science Communication - Special Mention Finalist (of three winners, four Special Mentions and Thirty-six other finalists)	2018
Scholarships, Grants and Funding	
CUNY Geology Training Scholarship for outstanding achievements	2021
Geological Society of America COVID-19 Relief	2020
CUNY Geology Training Scholarship for outstanding achievements	2020
CUNY CARES Act Scholarship	2020
Independent Study/ Other Research Experience	
Independent Study: Drafting Techniques for Plesiadapiform Dentition <i>Chester Lab, Brooklyn College</i>	2020
Comparing Facies of the Helderberg Group <i>SUNY New Paltz Geology Department</i>	2017
Reconstructing <i>Cervalces americanus</i> <i>Anthropology Lab, American Museum of Natural History</i>	2017
Independent Study: Charnwood Unconformity <i>SUNY New Paltz Geology Dept</i>	2016
Professional Experience in Paleontology	
<a href="#">Astro Gallery of Gems</a> , Fifth Avenue, NYC Paleontology Specialist	2018-2019
<ul style="list-style-type: none"><li>- Curatorial duties of fine fossil collection at Astro Gallery including display design, lighting, and infographics</li><li>- Wrote all description blurbs of all fine fossils for website and retail displays</li><li>- Generation of display materials with fossil information</li><li>- Identified new fossils as they came in</li></ul>	

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- Wrote paid appraisals and appraisals to accompany purchased specimens
  - Assisted sales team with fossil sales and provided sales team with general information on new fossils

### Scholarly Reviews

Prothero, D.R., (2021). "The Systematics of North American Peccaries: Mammalia: Artiodactyla: Tayassuidae." *Bulletin of the New Mexico Museum of Natural History*.

Prothero, D.R. and Tamura, N. (illustrator) (2021) Chapter 1 in "Vertebrate Evolution." CRC Taylor and Francis Publishing Group.

### Service to the Profession

Affiliate Faculty, <a href="#">Brooklyn College Women's Leadership Mentor Symposium</a>	2021-
Founder and Co-Chair, <a href="#">Society of Invertebrate Paleoartists</a>	2021
SUNY New Paltz Geology Department Logo	2020
Paleontological Research Institution Katherine Palmer Award Nomination	2019
SUNY New Paltz Geology Club Fundraising	2016-2020
Cave House Museum of Mining and Geology	2016-2017

### School Report Interviews

Undergraduate Geology Student, University of Alberta	2019
Undergraduate Biology Student, Goucher College	2020
Undergraduate Illustration Student, Pratt Institute	2021

### School Assemblies

Avenues New York: Fifth Grade	2021
Flatbush High School: Ninth Grade	2021
Flatbush High School: Eleventh Grade	2021

### Magazine and Blog Features

[Virginia Science Museum](#), 2021. "More Pride and More Paleontology: LGBTQ+ Scientists Part Two."

[New Paltz: The Alumni Magazine](#), 2021. "Featured Alumna: From Mermaids to Museums."

[Fossil News Magazine](#), 2021. "My Issues with the Film *Ammonite* as a Woman in Paleontology."

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[We The Italians](#), 2020. “Kate LoMedico Marriott Named One of World’s Top Marine-Life Artists Before Age 30.”

[500 Queer Scientists](#), 2020. Instagram Feature.

[Fossil News Magazine](#), 2019. “Kate LoMedico Marriott: Illustrating the curly, bendy, loopy, fascinating world of heteromorph ammonites.” Featured Paleoartist: cover image, interview on ammonoid biodiversity

#### Video Media

Paleoart featured *In: Staff, D.*, 2018. [Talks at Google](#): *Squid Empire: The Rise and Fall of Cephalopods*

#### Paleoart: Permanent Collections

SUNY New Paltz Science Hall	2017
Cave House Museum of Mining and Geology, Howe Caverns, NY	2016

#### Paleoart: Solo Exhibition

LaGuardia Community College, NYC	2019
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#### Television

Spanish National Television “The Adventure of Knowledge” <i>International Award on Scientific Illustration</i>	2019
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#### Professional Societies

- The Paleontological Society, Bethesda, MD
- Palaeontological Association, UK
- New York Entomological Society, New York, NY
- The Beatrix Potter Society, York, UK
- Association for Women Geoscientists, Westminster, CO
- New York Entomological Society, New York, NY
- Geological Society of America, Boulder, CO
- Guild of Natural Science Illustrators, Bronx, NY