**Maya Juman**

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**EDUCATION**

**PhD in Biological Sciences**, Gates Cambridge Scholar Fall 2022 – Present

Department of Veterinary Medicine, University of Cambridge, UK

**B.S. in Ecology & Evolutionary Biology**, *magna cum laude*, with distinction (3.91/4.00)May 2020

Yale University, New Haven, CT, USA

**PEER-REVIEWED PUBLICATIONS**

**Juman, M.M.**, Woodman, N., Miller-Murthy, A., Olson, L.E., Sargis, E.J. (2022) Taxonomic boundaries in Lesser Treeshrews (Scandentia, Tupaiidae: *Tupaia minor* Günther, 1876). Journal of Mammalogy 103(6): 1431-1440.

**Juman, M.M.**, Millien, V., Olson, L.E., Sargis, E.J. (2022) Recent and rapid ecogeographical rule reversals in Northern Treeshrews. Scientific Reports 12: 19689.

**Juman, M.M.**, Olson, L.E., Sargis, E.J. (2021) Skeletal variation and taxonomic boundaries in the Pen-tailed Treeshrew (Scandentia, Ptilocercidae: *Ptilocercus lowii* Gray, 1848). Journal of Mammalian Evolution 28(4): 1193-1203.

**Juman, M.M.**, Woodman, N., Olson, L.E., Sargis, E.J. (2021) Ecogeographic variation and taxonomic boundaries in Large Treeshrews (Scandentia, Tupaiidae: *Tupaia tana* Raffles, 1821) from Southeast Asia. Journal of Mammalogy 102(4): 1054-1066.

Ruane, S., Myers, E.A., Lo, K., Yuen, S., Welt, R.S., **Juman, M.M.**, Futterman, I., Nussbaum, R.A.,Schneider, G., Burbrink, F.T., Raxworthy, C.J. (2018) Unrecognized species diversity and new insights into colour pattern polymorphism within the widespread Malagasy snake *Mimophis* (Serpentes: Lamprophiidae). Systematics and Biodiversity 16(3): 229-244.

**RESEARCH PRESENTATIONS**

Juman, M.M., Millien, V., Olson, L.E., Sargis, E.J. Recent and rapid ecogeographical rule reversals in Northern Treeshrews. **To be presented at the International Mammalogical Congress**, Anchorage, AK (7/14/2023).

Juman, M.M., Woodman, N., Miller-Murthy, A., Olson, L.E., Sargis, E.J. Taxonomic boundaries in Lesser Treeshrews. **Presented at the Meeting of the American Society of Mammalogists**, virtual (6/18/2022).

Juman, M.M., Olson, L.E., Sargis, E.J. Skeletal variation and taxonomic boundaries in the Pen-tailed Treeshrew. **Presented at the Meeting of the American Society of Mammalogists**, virtual (6/15/2021).

Juman, M.M. Ecogeographic variation and taxonomic boundaries in Large Treeshrews (Mammalia, Scandentia) from Southeast Asia. **Mellon Forum Senior Thesis Presentation**, Saybrook College, Yale University (3/3/2020).

Juman, M.M., Woodman, N., Olson, L.E., Sargis, E.J. Hand proportions and taxonomic boundaries among Large Treeshrews. **Presented at the Meeting of the American Society of Mammalogists**, Washington, D.C. (6/29/2019).

Juman, M.M. Species boundaries among Large Treeshrews. **Yale-Smithsonian Summer Research Presentation**, Yale Peabody Museum of Natural History (11/2/2018).

Juman, M.M. and Futterman, I. Malagasy snake morphology. **Presented at Science Research Mentoring Program Symposium**,American Museum of Natural History (6/4/2015).

**IUCN RED LIST ASSESSMENTS**

Juman, M.M., Sargis, E.J. (*accepted*) *Tupaia belangeri*. The IUCN Red List of Threatened Species 2023.

Juman, M.M., Sargis, E.J. (*accepted*) *Tupaia minor*. The IUCN Red List of Threatened Species 2023.

Juman, M.M., Sargis, E.J. (*accepted*) *Ptilocercus lowii*. The IUCN Red List of Threatened Species 2023.

Juman, M.M., Sargis, E.J. (*accepted*) *Tupaia tana*. The IUCN Red List of Threatened Species 2023.

**FELLOWSHIPS AND AWARDS**

Gates Cambridge Scholarship (full PhD tuition + £19,844/year stipend) 2022 – 2026

NSF Graduate Research Fellowship ($138,000, *declined*) 2022 – 2025

Fulbright U.S. Student Research Fellowship to Malaysia ($18,000, *postponed due to COVID-19*) 2021 – 2022

Travel Awards ($200, $400, $600), American Society of Mammalogists 2021, 2022, 2023

Y-Work Award for Outstanding Student Employees, Yale University 2020

Undergraduate Honorarium ($1,200), American Society of Mammalogists 2019

Dean’s Research Fellowship in the Sciences ($4,300), Yale University 2019

Alan S. Tetelman Fellowship for International Research in the Sciences ($3,600), Yale University 2019

Yale Summer Environmental Fellowship ($2,000), Yale School of the Environment 2019

Richter Summer Fellowship ($1,000), Saybrook College 2019

Summer Internship Stipend ($4,000), Yale-Smithsonian Partnership 2018

Karen L. Von Damm Undergraduate Research Fellowship ($3,784), Yale Earth & Planetary Sciences 2017

**TEACHING**

**Part II Zoology L1: Evolution and Comparative Anatomy of Mammals**, University of Cambridge Lent 2023

*Supervisor (led specimen-based small group teaching for third-year undergrads, provided writing feedback)*

**S&DS S230: Data Analysis and Exploration**,Yale University Summer 2020

*Teaching assistant (held office hours, graded assignments, demonstrated R code)*

**ANTH S242: Human Evolutionary Biology**, Yale University Summer 2020

*Writing fellow (served as primary writing resource for 90 students)*

**BIOL 104: Ecology and Evolutionary Biology**, Yale University April 24 2020

*Guest lecturer (led virtual tour of Peabody Museum collections)*

**MCDB 105a: Biology, the World, and Us**, Yale University April 15 2020

*Guest lecturer (on Peabody Museum collections)*

**EVST 007: The New England Forest**, Yale University November 21 2019

*Guest lecturer (led tour of Peabody Museum collections)*

**Yale College Writing Center** 2017 – 2020

*ESL-Certified Writing Partner (held weekly drop-in tutoring hours open to all undergraduates, provided writing feedback to non-native English speakers)*

**SCIENCE COMMUNICATION**

***Editor-in-Chief***, The Scholar, Gates Cambridge Council 2022 – 2023

* Oversee the production of the Gates Cambridge community’s annual magazine, which includes articles, photo essays, videos, and podcast contributions from current scholars and alumni.
* Work with contributors to distill research-related content for a general, non-specialist audience.

***Species Page Contributor***, India Biodiversity Portal (*indiabiodiversity.org*) 2022 – Present

* Validate and identify observations of Scandentia (treeshrews) in an open citizen science database.
* Edit and update species information, literature, and taxonomy for treeshrews and other small mammals.
* Founder and administrator of the Small Mammals of India microsite, which aggregates and maps observations to raise awareness of Indian biodiversity and inform research and conservation efforts.

***Tour Guide and Collections Assistant***, Yale Peabody Museum of Natural History (part-time job)2016 – 2020

* Led behind-the-scenes tours to encourage public engagement with the Peabody’s collections and research.
* Digitized 6,573 invertebrate and vertebrate fossils for the NSF Cretaceous World Project.
* Led and produced a remote tour during the COVID-19 pandemic for Yale’s introductory biology course.

***Podcast Host and Producer***, “Inkredible: A Cephalopodcast,” published on SoundCloud, Apple, and Spotify2019

* Created an original episode about biological ink, accompanied by a website (*inkrediblepod.wordpress.com*).

***Photographer***, “Peabody Portraits,” presented at Yale School of Art2019

* Edited and compiled a portfolio of DSLR images of the Yale Peabody Museum’s paleontology collections.

***Writer***, “The Taming of the Treeshrew” (*tamingofthetreeshrew.wordpress.com*)2018

* Maintained a blog documenting collections-based research experiences at Yale and the Smithsonian.

***STEM Representative***, Yale Admissions Office (part-time job) 2017 – 2019

* Produced virtual content about research opportunities at Yale, including hosting a Peabody Museum tour for the Yale Admissions Snapchat account.
* Presented on STEM panels during admitted student weekends (with 1000+ students in attendance each year).

**OUTREACH AND MENTORSHIP**

**Ecology and Evolutionary Biology Mentor Match** 2022 – Present

*Mentor (provided personalized feedback to undergraduate students applying to graduate school and fellowships)*

**Letters to a Pre-Scientist** 2021 – Present

*STEM pen pal (wrote science-themed letters in Spanish and English to middle schoolers in underserved school districts)*

**Cambridge Science Festival** March2023

*Activity organizer (designed and ran a “bat virus hunting” activity for families visiting the veterinary department)*

**Yale Ecology & Evolutionary Biology Undergraduate Group** 2019 – 2020

*Co-president (organized research panels, social events, and funding application workshops for students)*

**Department of Ecology & Evolutionary Biology**, Yale University2019 – 2020

*Peer Mentor (advised first-years and sophomores through individual meetings and group study breaks)*

**PUBLIC SERVICE**

***COVID-19 Response Coordinator***,Philadelphia Department of Public Health (full-time job) 2020 – 2022

* Supervise a team of contact tracers and investigate high-risk COVID-19 clusters.
* Design monthly software updates to streamline the collection and management of epidemiological data.
* Synthesize and present weekly exposure patterns to Chief of Operations and Philadelphia Health Commissioner.

**INVITED TALKS AND PANELS**

**Recent and rapid ecogeographical rule reversals in Northern Treeshrews** 12/7/22

*Olson Lab, University of Alaska Fairbanks*

**“Viruses, Variants, Virulence: Lessons from Ecology and Evolution”**1/25/2022

*Philadelphia Department of Public Health*

**Alumni Career Panels**, Science Research Mentoring Program 6/22/2019, 9/10/2021, 9/30/2022

*American Museum of Natural History*

**“Scientific and cultural uses of cephalopod ink”** 2/13/2020

*Yale Peabody Museum of Natural History (first undergraduate student invited to deliver a public gallery talk)*

**Science and Engineering Forum for Admitted Students** 4/15/2017, 4/25/2017, 4/7/2018, 4/24/2018

*Yale University*

**OTHER SKILLS AND EXPERIENCE**

**Museum work:**

* *Research internships*: American Museum of Natural History (2014-2016, Herpetology); U.S. National Museum of Natural History (Summer 2018, Mammalogy); Yale Peabody Museum of Natural History (Summer 2018, Mammalogy)
* *Collection visits*: U.S. National Museum of Natural History (2019); Harvard Museum of Comparative Zoology (2019); Yale Peabody Museum of Natural History (2019); Field Museum of Natural History (2019); Natural History Museum, London (2019); American Museum of Natural History (2019)
* *Employment*: Yale Peabody Museum of Natural History (2016-2020, Invertebrate and Vertebrate Paleontology Collections Assistant); University of Alaska Museum of the North (2022, Mammalogy Research Technician)

**Field work:**

* *Juneau, AK, USA*: Collected hoary marmots and bumble bees from remote alpine regions for the University of Alaska Museum (July 2022).
* *Black Rock Forest, NY, USA*: Trapped, tagged, and measured painted turtles for long-term population study (August 2014).

**Reviewer:** Journal of Mammalogy (2023), PLoS ONE (2022), Philippine Journal of Science (2022)

**Languages:** English, Spanish (proficient), Hindi (read/write), Malayalam (read/write)

**Software:** R, Python, ArcGIS, JMP, EMu, FileMaker, Structure, BEAST, BPP, ImageJ, Adobe InDesign and Photoshop

**Professional Affiliations:** American Society of Mammalogists (2019–), British Ecological Society (2022–)