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CURRENT POSITION

2021-Present **Post-doctoral Scholar**, Division of Biological Sciences, University of California San Diego, La Jolla, CA, 92168

EDUCATION

- 2021 **Ph.D.**, Human Paleobiology, The George Washington University
Dissertation Research: "The Impact of Ecology, Demography, and Genetics on Primate Pelage."
- 2019 **M.Phil.**, Human Paleobiology, The George Washington University
- 2016 **M.A.**, Anthropology, Florida Atlantic University
- 2012 **B.S.**, Biological Sciences, Florida International University

PREPRINTS

#Students supervised

7. **Tapanes, E.**, Kamilar, J.M., Nukala, M.[#], Irwin, M.T., & Bradley, B.J. (2022). Melanism in a wild sifaka population: Darker where cold and fragmented. *bioRxiv* 2022.02.02.478891

PEER-REVIEWED JOURNAL ARTICLES

6. **Tapanes, E.**, Jacobs, R.L., Harryman, I.[#], Louis Jr., E.E., Irwin, M.T., Kamilar, J.M., & Bradley, B.J. (2022). Hair phenotype diversity across Indridae lemurs. *American Journal of Biological Anthropology*, <https://doi.org/10.1002/ajpa.24508>
5. **Tapanes, E.**, T., Anestis, S., Kamilar, J.M., & Bradley, B.J. (2020). Does hair greying in chimpanzees provide a salient progressive cue of ageing? *PLOS ONE*, 15(7): e0235610.
4. Wolovich, C.K., **Tapanes, E.**, & Evans, S. (2017). Allogrooming in male-female pairs of captive owl monkeys (*Aotus nancymaae*). *Folia Primatologica*, 88(6), 483-496.

3. **Tapanes, E.**, Cords, M., & Detwiler, K.M. (2016). Predation on bats by *Cercopithecus* monkeys: Implications for zoonotic disease transmission. *EcoHealth*, 13(2), 405-409.
2. Jefferson, J.P., **Tapanes, E.**, & Evans, S. (2014). Owl monkeys (*Aotus* spp.) socially anoint in captivity. *Folia Primatologica*, 85(2), 119-134.

PEER REVIEWED BOOK CHAPTERS

1. **Tapanes, E.**, J. M. Kamlar, & Bradley, B.J. (2021). Molecular and cellular processes underlying hair pigmentation and growth in primate evolution. *In: Evolutionary Cell Processes in Primates: Genes, Skin, Energetics, Breathing, and Feeding; Volume II.* Pitirri, M.K., & Richtsmeier, J.T. (Eds.) CRC Press.

RESEARCH GRANTS

- | | |
|------|---|
| 2022 | NSF Post-doctoral Fellowship in Biology (\$138,000; PI). “Evolutionary genomics of rapid adaptation in wild threespine stickleback (<i>Gasterosteus aculeatus</i>)” |
| 2019 | Leakey Foundation (\$15,000; PI). “Hair evolution in a comparative context” |
| 2018 | Lewis N. Cotlow Award, The George Washington University (\$1,800.00; PI)
“Evolution of the ‘naked ape’: hair evolution in a comparative framework” |
| 2018 | William Warren Graduate Research Grant, The George Washington University (\$800.00; PI) “Evolution of the ‘naked ape’: hair evolution in a comparative framework” |
| 2017 | International Primatological Society (\$1,500.00; PI). “Diversity of pelage patterning and function in wild sifaka lemurs (<i>Propithecus diadema</i>) at the Tsinjoarivo Forest in Madagascar” |
| 2017 | Lewis N. Cotlow Award, The George Washington University (\$1,800.00; PI).
“Diversity of pelage patterning and function in wild sifaka lemurs (<i>Propithecus diadema</i>) at the Tsinjoarivo forest in Madagascar” (\$1,800.00) |
| 2014 | Technology Fee Grant, Florida Atlantic University (\$4,840.00; co-I). “Using modern technology to monitor and study wild primate populations” |
| 2015 | Graduate Research and Inquiry Program, Florida Atlantic University (\$480; PI).
“Coat color variation within and between red-tailed monkeys (<i>Cercopithecus ascanius</i>), blue monkeys (<i>C. mitis</i>), and hybrids (<i>C. ascanius</i> x <i>C. mitis</i>).” |
| 2013 | Sigma Xi Grants-in-Aid of Research (\$1,000.00; PI). “A study of female mate-recognition in a social group of red-tailed monkeys (<i>Cercopithecus ascanius</i>), blue monkeys (<i>C. mitis</i>), and hybrids at Gombe National Park” |

OTHER AWARDS AND FUNDING

- 2021 **Best Student Presentation Award, jointly awarded by American Association of Biological Anthropology and Journal of Human Evolution.** For podium presentation titled: “Ecology and opsin variation underscore the evolution of hair phenotypes across Indriidae lemurs—implications for human evolution.” (Published proceedings)
- 2021 **Best Student Presentation, Northeast Evolutionary Primatologists Conference.** For podium presentation titled: “Ecology and opsin variation underscore the evolution of hair phenotypes across Indriidae lemurs—implications for human evolution.” (Unpublished proceedings)
- 2021 **Two-year Membership Award, Society for the Study of Evolution (SSE).**
- 2020 **Summer Institute for Statistical Genetics Scholarship, University of Washington.** For attendance across three workshops: (1) Endangered Populations & Non-model Organisms, (2) Population Genetics, & (3) Quantitative Genetics
- 2018 **Student Travel Award, American Association of Anthropological Genetics.** For attendance in the Applied Genomics in Anthropological Research (AGAR) Workshop.

CONFERENCE PRESENTATIONS (PUBLISHED ABSTRACTS OR MATERIALS)

- Tapanes, E., Lasisi, T., Kamilar, J.M., & Bradley, B.J. (2022).** Genomics and cellular biology of primate pigmentation: Lessons from other taxa. Invited symposium—Integumentary Anthropology: Examining the Exterior. *American Journal of Biological Anthropology*. Pending podium.
- Tapanes, E., Jacobs, R.L., Harryman, I. *, Louis Jr., E.E., Irwin, M.T., Kamilar, J.M., & Bradley, B.J. (2021).** Ecology and opsin variation underscore the evolution of hair phenotypes across Indriidae lemurs—implications for human evolution. *American Journal of Biological Anthropology* 174(S71). *Winner of the joint American Journal of Physical Anthropology & Journal of Human Evolution Best Student Presentation Award.* Podium.
- Tapanes, E., Irwin, M.T., Spriggs, A.N., Kamilar, J.M., & Bradley, B.J. (2017).** Subtle sexual dichromatism and dimorphism detected in wild *Propithecus diadema*. *American Journal of Physical Anthropology*. 165(S64). Poster.
- Bradley, B.J., Kamilar, J.M., Spriggs, A.N., **Tapanes, E.**, Wilhelm, B.C., & Walsh, S. (2017). Pigmentation in a comparative context: Factors shaping variation and convergence in primate pelage patterns. *American Journal of Physical Anthropology* 165(S64). Poster.
- Tapanes, E., & Evans, S. (2015).** The significance of allogrooming to pair-bonded owl monkeys (*Aotus* spp.). *American Journal of Physical Anthropology* 160(S60). Poster.
- Jefferson, J.P., **Tapanes, E.**, & Evans, S. (2012). Owl monkeys (*Aotus* spp.) socially anoint. *American*

Journal of Primatology 74(S1). Poster.

Tapanes, E., Wolovich, C.K., & Evans, S. (2007). Leaping into the night: when owl monkeys (*Aotus* spp.) awake. *American Journal of Primatology* 72(S1). Poster.

OTHER SELECTED CONFERENCE PRESENTATIONS

Tapanes, E., Kamilar, J.M., Nukala, M. *, Irwin, M.T., & Bradley, B.J. (2021). Ecological and social factors underlying pelage pigmentation in a wild sifaka (*Propithecus diadema*) population. *American Society of Naturalists*. Podium.

Tapanes, E., Jacobs, R.L., Harryman, I. *, Louis Jr., E.E., Irwin, M.T., Kamilar, J.M., & Bradley, B.J. (2020). Ecology and opsin variation underscore the evolution of hair phenotypes across Indriidae lemurs – implications for human evolution. *Northeastern Evolutionary Primatologists*. Podium.

Tapanes, E., Kamilar, J.M., Irwin, M.T., Mundy, N.I., & Bradley, B.J. (Accepted). Understanding convergent phenotypes in mammalian pelage: insights from natural primate populations. *Genetics Society of America*. Accepted. **not presented due to COVID19**

Tapanes, E., Irwin, M.T., Kamilar, J.M., & Bradley, B.J. (2019). Evolution of pelage in a wild lemur population. *Northeastern Evolutionary Primatologists*. Podium.

Tapanes, E., Kamilar, J.M., & Bradley, B.J. (2019). Pigmentation changes are (sort of) related to ageing in chimpanzees. *American Society of Mammalogists*. Podium.

Tapanes, E., & Detwiler, K.M. (2016). Phenotypic diversity and mating in Gombe National Park's *Cercopithecus* hybrid zone: implications for conservation. *International Primatological Society*. Podium.

Wolovich, C.K., **Tapanes, E., & Evans, S. (2016).** Patterns of allogrooming in male-female pairs of captive owl monkeys (*Aotus nancymae*). *International Primatological Society*. Podium.

Tapanes, E., & Detwiler, K.M. (2015). Testing methods for studying color objectively in wild arboreal primates. *South Florida Primatology*. Podium.

TEACHING

Instructor of Record

2019 Summer Introduction to Biological Anthropology, The George Washington University

Graduate Teaching Assistant

2018 Spring Introduction to Biological Anthropology, The George Washington University

2017 Fall Your Place in Nature, The George Washington University

- 2017 Spring Biological Basis of Human Behavior, The George Washington University
- 2016 Fall Introduction to Biological Anthropology, The George Washington University
- 2016 Spring Philosophy, Florida Atlantic University
- 2015 Fall Introduction to Anthropology, Florida Atlantic University
- 2015 Spring Philosophy, Florida Atlantic University
- 2014 Spring Introduction to Biological Anthropology, Florida Atlantic University
- 2013 Fall Introduction to Biological Anthropology, Florida Atlantic University

Other Teaching Experience

- 2021 Summer Science Curriculum Specialist, John Hopkins University's Center for Talented Youth
- 2016 Summer Instructor, Primate Biology, Duke University's Talent Identification Program
- 2012 Summer Teaching Assistant, Primate Biology, Duke University's Talent Identification Program

Guest Lectures

- 2019 Fall Great Ape Behavior and Evolution, The George Washington University, "Genetic Basis of Evolutionary Change"

INVITED TALKS

- 2021 San Diego Zoo Wildlife Alliance, Conservation Genetics Department.
"Evolution of phenotypic diversity in wild vertebrates"
- 2019 Penn State University, Department of Anthropology.
"The evolution of primate pelage: from genome to phenome"
- 2019 The George Washington University, Department of Biology.
"The evolution of mammalian pelage: from genome to phenome"

MENTORING AND TRAINING EXPERIENCE

Ongoing

- 2021-Pres. Vishwa Pandya, University of California San Diego
Project: "*Genomic basis of divergent pigment patterns in threespine stickleback*"
- 2021-Pres. Brandon Tsai, University of California San Diego
Project: "*Characterizing evolutionary divergence in threespine stickleback*"

Previous

- 2019-2021 Alejandra Paredes Marin, The George Washington University
Current position: Research Associate, Mount Sinai
- 2018-2019 Ian Harryman, The George Washington University
Project: “*Hair diversity across Indridae lemurs*”
Current position: Ph.D. student, Stanford University, Earth System Science
- 2017-2019 Maanas Nukala, The George Washington University
Project: “*Ecological niche modeling of the Critically Endangered diademed sifaka (Propithecus diadema)*”
Current position: Data Specialist, World Resources Institute
- 2016-2017 Lauren Anderson, The George Washington University
Project: “*Opsin gene variation in wild sifaka lemurs*”
Current position: Ph.D. student, Rockefeller University, Molecular Biology

OUTREACH EXPERIENCE

Invited Outreach Activities

- 2019 *Scientist-Is-In: Evolution of hair*, Smithsonian Natural History Museum
- 2019 *Build A Lemur*, Smithsonian Natural History Museum
- 2018 *Scientist-Is-In: Evolution of Hair*, Smithsonian Natural History Museum
- 2017 *Scientist-Is-In: Evolution of Hair*, Smithsonian Natural History Museum
- 2018 *NSF Funded Projects in Human Evolution*, USA Science and Engineering Festival in Washington, D.C.
- 2017 *World Lemur Festival*, Yale Peabody Museum of Natural History

Other Outreach Activities

- 2019 – 2020 *Bi-lingual outreach* on evolutionary biology, Wheeler Road Elementary, MD
- 2019 *Lives of Scientists* (virtual), Shutesbury Elementary School, MA
- 2019 *Development of an NGSS 3rd-5th grade lesson plan* aimed to teach concepts in biological diversity, co-led with Christine Ramirez at Discovery
- 2019 *Skype-A-Scientist*, Shutesbury Elementary School (MA)
- 2018 *Panelist for ‘What’s Your ‘Ology?’*, STEM for Her
- 2016 *Volunteer for ‘BePolished’ Educational Visit* to GWU Science facilities

PROFESSIONAL SERVICE

Peer Review

7 reviews total: Scientific Reports, Ecology & Evolution, Evolutionary Anthropology, Data in Brief, African Journal of Ecology

Other Service

2016 – 2021 Student Representative, Curriculum Committee for the Human Paleobiology Graduate Program, The George Washington University

2019 Student Liaison, Conservation Earth Day Symposium, The George Washington University. Cancelled due to Covid19.

2019 – 2021 Peer Advocate, Anthropology Department, The George Washington University

2016 – 2019 Committee Member, Diversity in Science (DIS) group in the Human Paleobiology Program, The George Washington University

NON-ENGLISH LANGUAGES SPOKEN

Spanish (native)

REFERENCES

On request