ELISE PAIETTA	
Duke University, Durham, NC Email: elise.paietta@duke.edu	
EDUCATION	
University of Notre Dame Major: Biological Sciences GPA: 3.56 Study abroad experience at the University of Western Australia Fall 2018	2016-2020
Duke University Biology PhD Candidate in the lab of Dr. Anne Yoder GPA: 4.0	2020-present
RESEARCH EXPERIENCE	
Independent Undergraduate Research,	
Lab of Lynn K. Hartzler, PhD., Wright State University, Dayton, OH	
Paietta, E. N., & Hartzler, L. K. (2017). Impact of a CO_2 Gradient on the	
Behavior of the Red Crayfish, Procambarus clarkii.	
http://corescholar.libraries.wright.edu/bio_student/1	Summer 2017
Instructor-guided Research Project,	
University of Notre Dame Department of Biological Sciences	
Characterization of the rd407 mutant in Drosophila melanogaster	Fall 2017
Independent Undergraduate Research,	
Lab of Elizabeth A. Archie, PhD, University of Notre Dame	
Effect of Parasite Burden on the Survival of Yellow Baboons (<i>Papio cynocephalus</i>)	Fall 2017-Spring 2019
Instructor-guided Research Project,	
Lab of Labib Rouhana, PhD, Wright State University, Dayton, OH	
Involvement of Sexual Brain Genes in <i>Schmidtea meditteranea</i> Reproductive Organ Development	Summer 2018
Independent Undergraduate Research as part of the Research Experience for Undergraduates,	
National Science Foundation (NSF-REU)	
Lab of Elizabeth A. Archie, PhD, University of Notre Dame	
The Relationship Between Senescence and Parasitism in Yellow Baboons (Papio cynocephalus)	Summer 2019
Independent Undergraduate Research,	
Lab of Elizabeth A. Archie, PhD, University of Notre Dame	
The Drivers and Consequences of Human Encounters in the Amboseli Baboons	Fall 2019-Fall 2021
Independent Graduate Research,	
Lab of Anne D. Yoder, PhD, Duke University	
Optimization of zooanthroponotic and zoonotic viral metagenomic approaches in lemurs	Fall 2020-present

PUBLICATIONS

Paietta, E. N., Weibel, C. J., Mututua, R., Warutere, J., Siodi, L., Gesquiere, L. R., Jansen, D. A., Obanda, V., Alberts, S. C., & Archie, E. A. (2022). Troubled waters: Water availability drives human-baboon encounters in a protected, semi-arid landscape. *Biological Conservation*. <u>https://doi.org/10.1016/j.biocon.2022.109740</u>

- Paietta, E.N., Kraberger, S., Custer, J.M., Vargas, K.L., Van Doorslaer, K., Yoder, A.D., & Varsani, A. (2022). Identification of diverse papillomaviruses in captive black-and-white ruffed lemurs (*Varecia variegata*). Archives of Virology. 168(1):13. doi: 10.1007/s00705 022-05679-1
- Paietta E.N., Kraberger S., Custer J.M., Vargas K.L., Espy C., Ehmke E., Yoder A.D., Varsani A. (2023). Characterization of Diverse Anelloviruses, Cressdnaviruses, and Bacteriophages in the Human Oral DNA Virome from North Carolina (USA). Viruses. 15(9):1821. https://doi.org/10.3390/v15091821
- Paietta E.N., Kraberger S., Regney, M., Custer J.M., Vargas K.L., Espy C., Ehmke E., Yoder A.D., Varsani A. (2023). Interspecies papillomavirus type infection in closely related lemur species, *Varecia variegata* and *Varecia rubra*. (2023). In-prep for *Viruses* Special Issue: Animal Papillomaviruses.
- Vargas, K., Kraberger S., Custer J.M., Culver M., Paietta E.N., & Varsani A. (2023). Identification of novel polyomavirus in wild Sonoran Desert rodents of the family Heteromyidae. *Archives of Virology*. 168(253):2023. doi: 10.1007/s00705-023-05877-5
- Guevara E.E., Grebe N.M. Lawler R.R., Crowley A., Lo S., Paietta E.N., Huebner J.L., Kraus V.B., & Drea C.M. (2023). Comparative physiological senescence in lemurs. Submitted to Journal of Comparative Physiology B.

POSTER PRESENTATIONS

1. Paietta E., Jansen D., & Archie E. *Effect of Parasite Burden on the Survival of Yellow Baboons* (*Papio cynocephalus*). College of Science Joint Annual Meeting (COS-JAM),

	University of Notre Dame	Spring 2018 & Spring 2019
2.	Paietta E., Weibel C., Jansen D., & Archie E. The Relationship Between Senescence	
	and Parasitism in Yellow Baboons (Papio cynocephalus).	
	NSF-REU Research Symposium, University of Notre Dame	
	Awarded "Best Poster Presentation" of the symposium	Summer 2019
3.	Paietta E., Weibel C., Jansen D., & Archie E. <i>The Relationship Between Senescence</i>	
	and Parasitism in Yellow Baboons (Papio cynocephalus).	
1	Fall Undergraduate Research Fair, University of Notre Dame	Fall 2019
4.	Obanda, V., Alberts, S. C., & Archie, F. A. <i>Water availability drives human-baboon encounters:</i>	
	Identifying the patterns, drivers, and parasite-related consequences of human encounters for	
	savannah baboons. Research Frontiers in Animal Behavior and Parasitism Conference (May 20-21, 2021)	
	Water availability drives human-baboon encounters - YouTube	Spring 2021
5.	Paietta, E. N., Weibel, C. J., Mututua, R., Warutere, J., Siodi, L., Gesquiere, L. R., Jansen, D. A.,	
	Obanda, V., Alberts, S. C., & Archie, E. A. Identifying the patterns, drivers, and consequences of	
C	human encounters for savannah baboons. Animal Behavior Society Conference (August 5, 2021).	Summer 2021
6.	Paletta, E.N., Kraberger, S., Custer, J.M., Vargas, K.L., Van Doorsiaer, K., Yoder, A.D., & Varsani, A.	
	Conference on Climate and Health in Africa (June 13, 2023)	Summer 2023
7.	Paietta, E.N., Kraberger, S., Custer, J.M., Vargas, K.L., Van Doorslaer, K., Yoder, A.D., & Varsani, A.	501111111 2025
	Identifying viral diversity and transmission in humans and lemurs using metagenomics.	
	Symposium on Emerging Infectious Diseases, Duke University (October 24, 2023).	Fall 2023
ORAL PF	RESENTATIONS	
1.	Paletta E., Jansen D., & Archie E. The Relationship Between Senescence and Parasitism in Vellow Baboons (Panio cynocenhalus)	
	NSE-RELL Research Symposium University of Notre Dame	Summer 2019
2.	Paietta, E. Identifying diverse viruses using metagenomics.	
	Club EvMed, Duke University	Fall 2022
З.	Paietta, E. Identifying novel, diverse viruses using metagenomics.	
	Biology Flash Talks, Duke University (Sept 29, 2023)	Fall 2023
4.	Paletta, E. Identifying novel, diverse viruses in lemurs using metagenomics.	Eall 2022
5.	Paietta, F. Identifying novel, diverse viruses using metagenomics: From the Duke Lemur Center	Fdii 2025
	to Madagascar. Duke Center for Virology (January 22, 2024)	Spring 2024
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1.	The virus numers, Duke Today. The virus numers Duke Today	
FUNDIN	G RECEIVED	
	NSF-REU fellowship (Summer 2019)	
	Duke Biology Grant-in-Aid (Spring 2021, \$1000)	
	Triangle Center of Evolutionary Medicine (TriCEM) Graduate Student Award (Summer 2021-Summer 2022	2, \$7500)
	Duke Lemur Center Director's Fund Grant (Fall 2021-Fall 2022, \$2800)	
	Signa Ai Grant-III-Alu of Research (Spring 2022, \$750) Duke University-Wide Collaboration Grant on Climate Change (Spring 2022, \$5000)	
	Duke University Center for International and Global Studies (DUCIGS) travel grant (Spring 2022, \$1250)	
	Duke Biology Grant-in-Aid (Spring 2022, \$1000)	
	International Primatological Society (IPS) Conservation Grant (Summer 2022, \$1450)	
	Holohil Grant Program Spring Quarter Winner (9 lemur GPS collars, equivalent to \$2500)	
	Duke University Global Student Research Fund (Spring 2023, \$1500)	
	Duke University Dissertation Travel Award: International (Summer 2023, \$5000)	
	Duke Biology Grant-In-Ald (Spring 2023, \$1000) American Society of Virology Conference Travel Grant (Summer 2022, \$500)	
	AGU Chanman Conference on Climate and Health in Africa Travel Award (Summer 2023, \$2000)	
	Duke University Conference Travel Award (Summer 2023, \$520)	
	Duke Microbiome Center Core Voucher Program (Fall 2023, \$9333)	
	Duke Global Research Award (Spring 2023, \$3000)	
TEACHI	NG EXPERIENCE/OUTREACH	
	• Guest lectures on "Zoonosis and the Origins of SARS-CoV-2" and Teaching Assistant for Duke U	niversity undergraduate
	course "Climate, Coffee, Coronavirus" (Fall 2021, additional guest lecture Fall 2023)	(0.1
	 Leaching Assistant for Introduction to Molecular Biology running my own 16-student lab section Teaching Assistant for Debuilded Feelogy running discussion particles and Feelogy of a Characterian 	n (Spring 2022)
	 reacting Assistant for Benavioral Ecology running discussion section and Ecology of a Changing 	s Planet (Spring 2023)

- Teaching Assistant for Behavioral Ecology running discussion section and Ecology of a Changing Planet
 Member of Biology Club & Uplift at the University of Notre Dame providing encouragement and
 - information to underclassmen about undergraduate research and the Biology major (2019-2020)
- Planning and hosting Outreach Event to get grade school/high school students excited
- about Ecology & Evolution as part of the NSF-REU program (Summer 2019)
- Notre Dame Career Series talk to undergraduates about the graduate school application process and beginning graduate school at Duke (September 2020)
- Femmes Capstone Event with WiSE (Women in Science and Engineering at Duke) leading a pandemic response team activity for K-6 female students & Femmes Capstone Event lemur biome activity (March 2021, March 2023)
- Durham Boys and Girls Club science experiment presentations with WiSE (Fall 2021-present)
- o 4th grade class lecture on Animal Research and Lemurs (May 27th, 2021)

- SciREN (Scientific Research and Education Network) Educator Liaison and Presenter working to disseminate lesson plans made by researchers to educators in the Triangle area for grades K-12 (Spring 2021-present)
- Education Docent for open houses at the Duke Lemur Center interacting with the public about lemur conservation (Summer 2021-2023)
- o Darwin Day Roadshow developing and presenting lectures on evolutionary topics for grades K-8 (February 2022)
- Lemurpalooza, engaging with the public about lemurs at the Duke Lemur Center (May 21, 2022)
- Created and taught 4-day Introduction to Coding in R workshop to Duke University Nicholas School of the Environment undergraduate and graduate students (June-July 2022)
- o ASCEND speaker to introduce first-gen Duke undergraduates to research opportunities at Duke (July 25, 2022)
- ComSciCon science communication and writing workshop

RELEVANT COURSES COMPLETED

- Primate Behavior & Ecology
- o Classical & Molecular Genetics
- Principles of Microbiology
- Medical and Veterinary Parasitology
- Conservation Biology
- Animal Function & Structure
- Global Climate Change & Biodiversity
- Biostatistics

PROGRAMMING LANGUAGE EXPERIENCE

- 0 R
- o SQL

- Introduction to Biocomputing
- Infectious Disease Ecology & Epidemiology
- One Health: Philosophy & Practice
- Tropical Ecology
- Genomics of Non-Model Organisms
- Pandemics & Evolution