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Education	
2016 -	PhD Candidate, Biopsychology, University of Michigan
present	Advisor: Jacinta Beehner
	Committee: Amy Lu, Ben Dantzer, Andrew Marshall, Eduardo Villamor
	<u>Dissertation</u> : "Early-life adversity: Maternal effects in a wild primate"
2018	MS, Psychology, University of Michigan
2015	BS with distinction, Ecology and Evolutionary Biology, Yale University
	Advisor: Richard Bribiescas
	<u>Thesis</u> : "Diurnal variation of testosterone in wild adult male owl monkeys of Formosa,
	Argentina"
2014	Organization for Tropical Studies, Duke University
	Study abroad program in South Africa – Field Biology
Fellowships	
2016 - 2021	NSF Graduate Research Fellowship Program (GRFP)
2014	NSF International Research Experience for Students (IRES)
2013	Yale University, Thomas C. Barry Travel Fellowship
Grants and	Awards
2020	NSF DDRIG – Biological Anthropology, Research Grant (\$23,646)
2019	Leakey Foundation, Research Grant (\$14,910)
2019	University of Michigan, Leonard Small Award (\$7,200)
2019	University of Michigan – Psychology, Pillsbury Graduate Research Award (\$1,000)
2019	Animal Behavior Society, Diversity Travel Award (\$145)
2018	University of Michigan, Rackham Professional Development Grant (\$400)
2018	University of Michigan – African Studies Center (\$2,000)
2017	University of Michigan, Rackham Graduate Student Research Grant (\$1,500)
Field Exper	ience
2017 -	Simien Mountain Gelada Research Project, Ethiopia – PIs: Jacinta Beehner &
present	Thore Bergman
	PhD dissertation fieldwork on geladas
2015 - 2016	Owl Monkey Project – PI: Eduardo Fernandez-Duque
	Field research assistant for wild owl monkey behavioral endocrinology (Argentina)
	Research assistant for captive owl monkey olfactory communication and pair-bonding
	behavior (Bastrop, TX)
2014	Organization for Tropical Studies, Kruger National Park, South Africa
	NSF International Research Experience for Students (IRES) intern – Biodiversity
	analysis of small mammals in relation to elephant populations
2013	Asociación Fauna Forever, Puerto Maldonado, Peru – PI: Chris Kirby
	Head research intern for behavioral observations of eight wild neotropical primate
	species

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Laboratory Experience		
2016 -	Core Assay Facility, University of Michigan – PI: Jacinta Beehner	
present	Gelada female glucocorticoid analysis across pregnancy and lactation Validation of an EIA for glucocorticoid metabolites in gelada fecal samples	
2018	Endocrinology Laboratory, German Primate Center – PI: Michael Heistermann Validation of an EIA for testosterone metabolites in gelada fecal samples	
2013 - 2015	Reproductive Ecology Laboratory, Yale University – PIs: Richard Bribiescas & Claudia Valeggia BS thesis work analyzing wild owl monkey fecal testosterone samples	
2014	Veterinary Wildlife Services, Kruger National Park, South Africa Research assistant validating a cortisol ELISA kit for African buffalo fecal samples	
2013	Hull Lab, Yale University – PI: Pincelli Hull Head student researcher identifying foraminifera species in deep ocean sediments	
Peer-Reviewed Publications		
2020	Carrera SC, Sen S, Heistermann M, Lu A, & Beehner, JC. 2020. Low rank and primiparity increase fecal glucocorticoid metabolites across gestation in wild geladas. General and Comparative Endocrinology 293. https://doi.org/10.1016/j.ygcen.2020.113494	
2019	Lu A, Petrullo L, Carrera SC , Feder J, Schneider-Crease I, & Snyder-Mackler N. 2019. Developmental responses to early life adversity: Evolutionary and mechanistic perspectives. <i>Evolutionary Anthropology</i> 28(5): 249-266. https://doi.org/10.1002/evan.21791	
Published Abstracts		
2019	Carrera SC , Lu A, & JC Beehner. In a non-seasonal primate, off-peak births require more time foraging during pregnancy. 56th Annual Conference of the Animal Behavior Society, Chicago, IL.	
2018	Carrera SC , Lu A, & JC Beehner. Variation in time to weaning in wild geladas. 87th Annual Meeting of the American Association of Physical Anthropologists, Austin, TX.	
2016	Carrera SC, Corley MK, Bribiescas RG, Valeggia C, & E Fernandez-Duque. Investigating how collection time affects fecal testosterone in a cathemeral species: <i>Aotus azarae</i> . Joint meeting of the International Primatological Society and the American Society of Primatologists, Symposium on Owl Monkeys, Chicago, IL.	

Science Communication and Engagement

2019	Scientist Spotlights – Southeast Michigan
	Teach children how to use an ethogram for animal behavior research
2017 - 2019	Simien Lodge Annual Conservation Classes, Ethiopia
	Help teach local children about conservation and geladas
2019	Nerd Nite – Ann Arbor District Library
	Presented my dissertation research at a local bar

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2019	Vermont Public Radio "But Why" podcast	
2010	Invited to answer a child's question about monkeys	
2018	ComSciCon-MI	
	Participated in a 2-day workshop to improve oral and written science communication skills	
2018	Females Excelling More in Math, Research, and the Sciences, University of	
Michigan		
	Co-designed and co-led activities for young girls to learn about animal behavior	
2016	Huron Valley High School, Ann Arbor, MI	
	Presented a class on primate behavior and endocrinology research to high school	
2015	students Splash at Yale University, New Haven, CT	
2013	Developed and co-taught a class on animal behavior for high school students	
Tooching on		
Fall 2020	d Mentoring Behavioral Endocrinology – Loyola Marymount University	
raii 2020	Guest lecture: Glucocorticoids as a measure of early-life adversity	
Summer 2020	,	
	Guest lecture: Sex-biased investment: sons vs daughters	
Spring 2018	Graduate Student Instructor (GSI): Introduction to Biopsychology –	
	University of Michigan	
	Lead grader for the entire class; held discussion sections to introduce new material and led review sessions for exams	
F 11 2017		
Fall 2017	GSI: Statistical Modeling and Data Visualization in R – University of Michigan	
	Designed and led lab sections to provide students with more information and	
	practice using the R programming language; lead grader for all assignments; held	
	problem-solving sessions	
2017 - present	Undergraduate Research Opportunity Program – University of Michigan	
•	Research mentor for undergraduate students working in the Core Assay Facility.	
	Teach students laboratory skills, help them develop research projects, and assist	
	them in statistical analyses, presentations, and manuscripts	
2017 - present	, e	
	In charge of leading discussions on various topics about being a woman in STEM	
Additional Presentations		
2015	Yale Ecology and Evolutionary Biology Symposium, Yale University	
	Diurnal variation of testosterone in wild adult male owl monkeys of Formosa,	
2015	Argentina Paskus-Mellon Forum, Jonathan Edwards College, Yale University	
2013	Diurnal variation of testosterone in wild adult male owl monkeys of Formosa,	
	Argentina	
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2014	NSF International Research Experience for Students (IRES) Symposium, South Africa
	Drivers of small mammal communities in Kruger National Park, South Africa
2014	Organization for Tropical Studies Symposium, South Africa Understanding, preventing, and mitigating vervet - human conflict in Kruger National Park, South Africa
Service	
2020 - present	Biopsychology area DEI taskforce – Student member
2020 - 2021	Biopsychology Graduate Admissions Committee – Student member
2019 - present	Peer reviewer - Conservation Physiology, Mammalian Biology
2018	Biopsychology area 10-year review – Student committee member
Certificates	
Dec 2020	Data wrangling, analysis and AB testing with SQL – UC Davis, Coursera
Aug 2020	SQL for data science – UC Davis, Coursera
Aug 2019	STEM communication fundamentals – RELATE 10-week workshop to develop and practice verbal communication skills
May 2019	Science Communication Fellowship – University of Michigan Museum of Natural History, Portal to the Public Participated in multiple workshops over the course of a month to design a science activity for children
Skills	

R | R Markdown | SQL | Git | Adobe Photoshop Radioimmunoassay | Enzyme immunoassay validation