

RACHEL FAYE PERLMAN

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EDUCATION

2021 **PhD**, Anthropology, Stony Brook University
2015 **MA**, Anthropology, Stony Brook University
2011 **BS**, Double Major in Biological Sciences & Anthropology, Binghamton University
Magna Cum Laude

APPOINTMENTS

2021-present Project Administrator, STEM Smart Programs, Department of Technology & Society
2019-2021 Program Coordinator for Special Programs, Career Center
2012 - 2019 Teaching/Research Assistant, Department of Anthropology

RESEARCH GRANTS

2017 **National Science Foundation**, Doctoral Dissertation Research Improvement Grant. The energetics of male reproductive strategies in geladas, \$26,402.
2016 **The Leakey Foundation**, Research Grant. The energetics of male reproductive strategies in geladas (*Theropithecus gelada*), \$14,950.
2016 **International Primatological Society**, Research Grant. The energetics of male reproductive strategies in geladas (*Theropithecus gelada*), \$1,480.
2016 **The Nacey Maggioncalda Foundation**, James F. Nacey Fellowship. The energetics of male reproductive strategies in geladas (*Theropithecus gelada*), \$4,998.
2015 **Sigma Xi**, Grants-In-Aid of Research. The energetics of male reproductive strategies in geladas (*Theropithecus gelada*), \$1,000.

PUBLICATIONS

PEER-REVIEWED PUBLICATIONS

Accepted DeLacey PM*, **Perlman RF***, Sen S, Schneider-Crease I, Chiou KL, Lemma A, Ayele F, Higham JP, Lu A, Snyder-Mackler N, Beehner JC, Bergman TJ. Accepted. Assessing male gelada chest patches: Color measurement and physiological mechanisms. *Mammalian Biology*. ***co-first authors**

2021 **Perlman RF**, Woodson T, Donovan L, Savoca, M. Assessing the academic and social growth of STEM transfer students. *American Society for Engineering Education*. doi: 10.18260/1-2--36711.

2021 Savoca M, **Perlman RF**, Bell K, Bugallo M. Welcoming and building community for graduate students through remote tech environments. *American Society for Engineering Education*. <https://peer.asee.org/38038>.

2021 Baniel A, Amato KR, Beehner JC, Bergman TJ, Mercer A, **Perlman RF**, Petruccio L, Reitsema LJ, Sams S, Lu A, Snyder-Mackler N. Socioecological determinants of gut microbial composition of wild gelada monkeys. *Microbiome*. 9, 26. doi: 10.1186/s40168-020-00977-9.

2017 Borries C, **Perlman RF**, Koenig A. Characteristics of alpha males in Nepal gray langurs. *Am J Primatol* 79: e22437. doi: 10.1002/ajp.22437

2016 **Perlman RF**, Borries C, Koenig A. Dominance relationships in male Nepal gray langurs (*Semnopithecus schistaceus*). *Am J Phys Anthropol* 160: 208-219. doi: 10.1002/ajpa.22958.

NON PEER-REVIEWED PUBLICATIONS

- 2016 **Perlman RF**, Nishimura AC, Mongle CS, Kling K, Guevara EE, Arslanian K. Life's a peach for anthropologists in Atlanta. *Evol Anthropol* 25: 81-83.
- 2015 **Perlman RF**, de Vries D, Jacobs RL, Holowka NB, Pain EL, Thompson NE, Guevara EE. The gateway to anthropology in St. Louis. *Evol Anthropol* 24: 101-103.
- 2014 **Perlman RF**, Jacobs RL, Pain EL. Inaugural meeting of the Northeastern Evolutionary Primatologists group. *Evol Anthropol* 23: 207-208.
- 2014 Thompson NE, Cassalet S, Holowka NB, **Perlman RF**, Mongle, C. Anthropology stampede in Calgary. *Evol Anthropol* 23: 85-87.
- 2013 Maiolino S, Pain E, **Perlman R**, Nesbitt A, Thompson NE. Chasing monkeys and finding fossils under the sunsphere. *Evol Anthropol* 22: 161-163.

AWARDS & FELLOWSHIPS

- 2020 **Graduate Student Employee Award for Student Experiential Learning and Development**, Division of Student Affairs, Stony Brook University
- 2020 **AHLSS Summer Research Fellowship**, Stony Brook University
- 2019 **Fellowship, SUNY Advising, Applied Learning, & Student Success Summit**, Albany, NY
- 2011 **Distinguished Independent Study in Biological Sciences**, Binghamton University

PRESENTATIONS

WITH PUBLISHED ABSTRACTS

- 2020 Perlman RF, Beehner JC, Koenig A, Lu A. Seasonal variation in energy balance in wild male geladas. *Am K Phys Anthropol* 171:214. [*podium*]
- 2015 **Perlman RF**, Borries C, Koenig A. Dominance relationships in male Nepal gray langurs (*Semnopithecus schistaceus*). *Am J Phys Anthropol* S60: 250. [*poster*]
- 2014 Borries C, **Perlman RF**, Koenig A. Modes of alpha male change and reproductive success in Hanuman Langurs at Ramnagar, Nepal. *Am J Phys Anthropol* S58: 83. [*invited poster*]

WITHOUT PUBLISHED ABSTRACTS

- 2019 **Perlman RF**, Beehner JC, Koenig A, Lu A. Energy balance in wild male geladas. Northeastern Evolutionary Primatologists Meeting, University of Massachusetts, Amherst. [*podium*]
- 2016 **Perlman RF**, Lu A. "Differences in activity patterns related to status in male geladas (*Theropithecus gelada*)". Joint meeting of the International Primatological Society and the American Society of Primatologists, Chicago, Illinois. [*poster*]
- 2014 **Perlman RF**, Borries C, Koenig A. "Dominance relationships in male Nepal gray langurs (*Semnopithecus schistaceus*)". Northeastern Evolutionary Primatologists Meeting, Rutgers University. [*poster*]
- 2011 **Perlman RF**. "Behavioral and hormonal responses of female chacma baboons (*Papio hamadryas ursinus*) to a seasonal floodplain environment". Department of Biological Sciences, Binghamton University. [*oral presentation*]

RESEARCH EXPERIENCE

FIELD EXPERIENCE

- Sept 2017 - Sept 2018 The energetics of male reproductive strategies in geladas, Simien Mountains National Park, Ethiopia
Dissertation data collection
- Sept - Nov 2015 The energetics of male reproductive strategies in geladas, Simien Mountains National Park, Ethiopia
Dissertation pilot study

Feb - Jun 2012 Social and genetic factors mediating collective action in black howler monkeys, Palenque National Park, Mexico
PIs: Dr. Sarie van Belle, Dr. Alejandro Estrada

LABORATORY EXPERIENCE

2015 - present Gelada hormone analyses (Radioimmunoassay/Enzyme immunoassay), Lu Endocrinology Lab, Stony Brook University, Stony Brook, NY
Simien Mountains Gelada Research Project
July - Aug 2011 Paternity competition and sexual conflict in water striders, Center for Insect Science, University of Arizona, Tucson, AZ
PI: Dr. Omar T. Eldakar

DATA ENTRY & ANALYSIS

Feb - May 2015 Dominance hierarchy characteristics of female primates, Stony Brook University, Stony Brook, NY
PI: Dr. Andreas Koenig
Sept 2011 - Jan 2012 Male dominance in wild Nepal gray langur multimale groups, Stony Brook University, Stony Brook, NY
PIs: Dr. Andreas Koenig, Dr. Carola Borries
Aug 2010 - Aug 2011 Behavioral ecology of female chacma baboons, Binghamton University, Binghamton, NY
PI: Dr. Liza R. Moscovice

TEACHING EXPERIENCE

INSTRUCTOR ON RECORD

Spring 2020 CAR 210 - Career Planning

LABORATORY INSTRUCTOR

Laboratory instruction for model-based anatomy labs (2 sections per semester).

Fall 2016 ANP 300 - Human Anatomy
Summer 2016 ANP 300 - Human Anatomy
Spring 2016 ANP 300 - Human Anatomy
Fall 2014 ANP 300 - Human Anatomy
Fall 2013 ANP 300 - Human Anatomy

TEACHING ASSISTANT

Spring 2019 ANP 300 - Human Anatomy
Spring 2017 ANP 120 - Introduction to Biological Anthropology
Spring 2014 ANP 201 - Human Evolution
Spring 2013 ANT 252 - Personality and Culture
Fall 2012 ANP 220 - Controversies in Human Biology and Behavior

GUEST LECTURES

Spring 2019, 2020 ANP 331 - Hormones and Behavior
"Testosterone and the Challenge Hypothesis"
Summer 2019 PSEG Explorations in STEM Research Program

COMMUNITY OUTREACH

- 2018 – 2020 Instructor, Bookworm Biology Program, Central Islip Public Library
Develop and facilitate interactive biology-focused learning modules to local elementary students.
- 2019 Instructor, Science & Technology Entry Program (STEP)
Instructor for cadaver-based anatomy introduction course to underrepresented and economically disadvantaged high school students.
- 2017 - 2018 Guest speaker, Simien Mountains Tour Guide Association, Debarq, North Gondar, Ethiopia
Provided local guides with up to date knowledge on gelada behavior, reproduction, and ecology and current ongoing gelada research projects.
- 2018 Educator, Simien Mountains Conservation School, Simien Lodge, Simien Mountains National Park, Ethiopia
Assisted with activities to help educate local children about the ecology and wildlife in Simien Mountains National Park.
- 2015, 2016, 2017 Judge, Westchester Science and Engineering Fair (WESEF)
Judge for local high school science competition.

MENTORSHIP

- 2019 - present S-STEM ASSETS Program
Mentor for undergraduate STEM transfer students regarding academic success strategies and career planning.
- 2019 - present Undergraduate Internship, Lu Endocrinology Lab
Mentor for three undergraduate students learning immunoassay laboratory methods and gaining career-related experience.
- 2019 Explorations in STEM Research Program
Mentor for ~20 undergraduate students enrolled in an immersive summer STEM research experience.
- 2017 - 2018 Field assistant training, Simien Mountains Gelada Research Project
Trained field assistants in dissertation-specific protocols and oversaw data collection for dissertation project.

PROFESSIONAL SERVICE

- 2019 - 2020 Student Representative, Executive Committee, Dept. of Anthropology, Stony Brook University
- 2019 - 2020 Vice Present, Behavioral Ecology Group, Stony Brook University
- 2018 - 2020 Social media co-coordinator: @sbululab
- 2014 - 2015 Treasurer, Behavioral Ecology Group, Stony Brook University
- 2013 - 2014 Secretary, Behavioral Ecology Group, Stony Brook University
- 2012 - 2013 Vice President, Behavioral Ecology Group, Stony Brook University