

Amanda K. Rowe

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EDUCATION

PhD, Anthropology, Interdepartmental Doctoral Program in Anthropological Sciences

August 2017 to present, in progress (PhD Candidate)

Stony Brook University, Stony Brook, New York, 11794

MA, Anthropology

August 2017 to March 2020

Stony Brook University, Stony Brook, New York, 11794

MSc, Primate Behavior and Ecology

September 2015 to June 2017

Central Washington University, 400 E University Way, Ellensburg, WA, 98926

BS, Environmental and Organismal Biology (*summa cum laude*)

September 2010 to December 2013

Fort Lewis College, 1000 Rim Drive, Durango, CO, 81301

THESES AND ADVISORS

Theses

2017 *Collective decision making in Tibetan macaques: how followers affect the rules and efficiency of group movement.* MSc Thesis, Central Washington University

2013 *The effect of invasive shrub Tamarix on the bottom up ecology of a riparian ecosystem, Big Gypsum Valley, Colorado.* Undergraduate Senior Thesis, Fort Lewis College

Advisors

PhD advisors* and committee (Stony Brook University): Dr. Patricia Wright*, Dr. Andreas Koenig*, Dr. John Fleagle, Dr. Elizabeth Clare

Masters advisor* and committee (Central Washington University): Dr. Lixing Sun*, Dr. Lori Sheeran, Dr. Steven Wagner

Undergraduate advisor (Fort Lewis College): Dr. Deborah Kendall

APPOINTMENTS

Teaching Appointments

Teaching Assistant

Spring 2020	ANP 120	Introduction to Biological Anthropology (Online)
Fall 2019	ANP 101	Human Biology
Spring 2019	ANP 120	Introduction to Biological Anthropology
Fall 2018	ANT 290	Science and Technology in Ancient Society
Spring 2018	ANT 377	Animal Tool Use
Fall 2017	ANP 120	Introduction to Biological Anthropology
Fall 2015/2016	STEP 101	Science Talent Expansion Program 101
Winter 2016/2017	STEP 102	Science Talent Expansion Program 102
Spring 2016/2017	STEP 103	Science Talent Expansion Program 103
Fall 2011	BIO 207	General Zoology
Fall 2013	BIO 305	Entomology
September 2012 to December 2013	TUTOR	STEM Courses, Fort Lewis College

Research Appointments

April 2015 to September 2015	Soils Technician	Northern Arizona University
July 2014 to January 2015	Intern	Out of Africa Wildlife Park
May 2014 to September 2015	Arthropod Technician	Colorado Plateau Museum of Arthropod Biodiversity

GRANTS, FELLOWSHIPS, SCHOLARSHIPS, AND AWARDS

Grants

External Sponsors

- 2019 Rowe Wright Primate Fund: “Preliminary investigations of population density, abundance, and community dynamics of *Microcebus murinus*, *Cheirogaleus medius*, *Mirza coquereli*, and *Phaner pallescens* in Zombitse-Vohibasia National Park, Madagascar”, \$5,000
- 2019 Sigma Xi: “Preliminary investigations of population density, abundance, and community dynamics of *Microcebus murinus*, *cheirogaleus medius*, *Mirza coquereli*, and *Phaner pallescens* in Zombitse-Vohibasia National Park, Madagascar, \$1,000
- 2018 American Society of Primatologists: “Implementing molecular methods to understand ecosystem energy flow and nutritional ecology of mouse lemurs for optimized management strategies in Ranomafana National Park and Isalo National Park, Madagascar”, \$1,500
- 2018 Animal Behaviour Society: “DNA barcoding and the race for conservation: Implementing novel methods to understand the nutritional ecology of *Microcebus rufus* for optimized management strategies in Ranomafana National Park, Madagascar”, \$2,000
- 2018 Lemur Conservation Action Fund, “DNA barcoding and the race for conservation: Implementing novel methods to understand the nutritional ecology of *Microcebus rufus* for optimized management strategies in Ranomafana National Park and Manombo Special Reserve, Madagascar, \$3,000
- 2018 Rowe Wright Primate Fund: “DNA barcoding and the race for conservation: Implementing novel methods to understand the nutritional ecology of *Microcebus rufus* for optimized management strategies in Ranomafana National Park, Madagascar”, \$5,000
- 2017 Rowe Wright Primate Fund” Preliminary investigation of the nutritional ecology and gastrointestinal bacteria in *Propithecus edwardsi*, nutritional ecology of *Microcebus rufus* and arthropod communities in Ranomafana National Park, Madagascar, \$5,000
- 2016 Prentice Foundation: “Collective decision making in Tibetan macaques: how followers affect the rules and efficiency of group movement”, \$500

Internal Sponsors

- 2019 IDPAS, Stony Brook University: “Preliminary investigations of population density, abundance, and community dynamics of *Microcebus murinus*, *cheirogaleus medisu*, *Mirza coquereli*, and *Phaner pallescens* in Zombitse-Vohibasia National Park, Madagascar”, \$500
- 2018 Graduate Student Employment Union, Stony Brook University: “Implementing molecular methods to understand ecosystem energy flow and nutritional ecology of mouse lemurs for optimized management strategies in Ranomafana National Park and Isalo National Park, Madagascar”, \$500
- 2013 School of Natural and Behavioral Sciences, Fort Lewis College: “The effect of invasive shrub *Tamarix* on the bottom up ecology of a riparian ecosystem, Big Gypsum Valley, Colorado”, \$2,000

Fellowships

External Sponsors

- 2020 Fulbright U.S. Student Program. “Community dynamics of night-active lemurs in Zombitse-Vohibasia National Park, Madagascar
- 2016 NSF East Asia Pacific Institute Fellowship (established track as NSF PI): “Understanding the maintenance of cohesion in social groups through the investigation of how followers affect collective decision making during group movement in Tibetan macaques”

Internal Sponsors

- 2017 Stony Brook University Graduate Council Fellowship

Academic Scholarships

- 2015-2016 Gary Hansen Scholarship, Central Washington University
- 2012-2013 Ted and Lee Ann Compton Scholarship, Fort Lewis College
- 2010-2013 Presidential Scholarship, Fort Lewis College

Awards and Honors:

2013 Student Marshall of 2013 Graduating Class, Fort Lewis College
2010-2013 Top Environmental Biology Student, Fort Lewis College
2010-2013 Dean's List, Fort Lewis College

PUBLICATIONS AND PRESENTATIONS

Publications

ORCID: [0000-0001-8840-0014](https://orcid.org/0000-0001-8840-0014)

Google Scholar Profile: <https://scholar.google.com/citations?hl=en&user=INDZUB0AAAAJ>

Martin, L. D., Rowe, A. K., Nomenjanahary, E. S., Wright, P. C., Deppe, A. M. (2019). Population estimates of Hubbard's sportive lemur (*Lepilemur hubbardorum*) at Zombitse-Vohibasia National Park, Madagascar. Manuscript in revision with Folia Primatologica.

Uhey, D., Rowe, A. K., & Kendall, D. (2019) Tamarisk alters arthropod composition, but has little negative effect on arthropod richness and abundance in southwestern Colorado. Manuscript submitted to Southwestern Entomology.

Rowe, A. K., Li, J. H., Sun, L., Sheeran, L. K., Wagner, R. S., Xia, D. P., Uhey, D. A., Chen, R. (2018). Collective decision making in Tibetan macaques: How followers affect the rules and speed of group movement. *Animal Behaviour* 146:51-61. doi: 10.1016/j.anbehav.2018.10.002.

Scholarly Presentations: With Published Abstracts

April 18, 2020 Rowe, A. K., Donohue, M. E., Clare, E. L., Drinkwater, R., Koenig, A., Ridgway, Z. M., Martin, L. D., Nomenjanahary, E. S., Zakamanana, F., Randriamanandaza, L. J., Rakotonirina, T. E., Wright, P. C. Arthropod consumption in lemurs: An exploratory analysis using DNA metabarcoding. *American Journal of Physical Anthropology* 171 (S69): 240. <https://onlinelibrary.wiley.com/doi/pdf/10.1002/ajpa.24023> (Conference canceled)

Scholarly Presentations: Without Published Abstracts

November 9, 2019 Rowe, A. K., Donohue, M. E., Clare, E. L., Drinkwater, R., Koenig, A., Ridgway, Z. M., Martin, L. D., Nomenjanahary, E. S., Zakamanana, F., Randriamanandaza, L. J., Rakotonirina, T. E., Wright, P. C. Exploratory analysis identifies arthropod consumption in ten lemur species using DNA metabarcoding. Northeastern Evolutionary Primatologists Meeting, University of Massachusetts, Amherst, Massachusetts, USA.

August 22, 2018 Rowe, A. K., Sun, L., Sheeran, L., Wagner, S. Li, J. H., Xia, D. P., Chen, R., Wright, P. Collective decision making in Tibetan macaques: How followers affect the rules and speed of group movement. International Primatological Society Congress, Nairobi, Kenya.

April 2013 Rowe, A. K. The effect of invasive shrub *Tamarix* on the bottom up ecology of a riparian ecosystem, Big Gypsum Valley, Colorado. Natural and Behavioral Sciences Symposium, Fort Lewis College, Colorado, USA.

March/February 2014 Rowe, A. K., Uhey, D. A., Kendall, D. The effect of invasive shrub *Tamarix* on the bottom up ecology of a riparian ecosystem, Big Gypsum Valley, Colorado. *Tamarix* Coalition River Crossing's Conference, Grand Junction, Colorado, USA.

February 2013 Rowe, A. K., Uhey, D. A. Kendall, D. The effect of invasive shrub *Tamarix* on the bottom up ecology of a riparian ecosystem, Big Gypsum Valley, Colorado. Front Range Ecology Symposium, Colorado State University, Colorado, USA.

Invited Talks

December 2019 Human Biology Undergraduate Class, Stony Brook University, New York, USA: "Ecology and the Environment"

May 2019	Introduction to Bioanthropology Undergraduate Class, Stony Brook University, New York, USA: “Evolution of the Brain and Language”
February 2018	Animal Tool Use Undergraduate Class, Stony Brook University, New York, USA: “Primates”
September 2017	Introduction to Biological Anthropology Undergraduate Class, Stony Brook University, New York, USA: “Group Living and Mating Systems”
January/December 2013	Native Plant Society, Durango, Colorado, USA: “The effect of invasive shrub <i>Tamarix</i> on the bottom up ecology of a riparian ecosystem, Big Gypsum Valley, Colorado”

RESEARCH EXPERIENCE

Dec 2018-Present	Stony Brook University, “Preliminary investigations of population density, abundance, and community dynamics of <i>Microcebus murinus</i> , <i>Cheirogaleus medius</i> , <i>Mirza coquereli</i> , and <i>Phaner pallescens</i> in Zombitse-Vohibasia National Park, Madagascar”, Supervisor Dr. Patricia Wright
April 2018-Present	Stony Brook University, “DNA barcoding and the race for conservation: Implementing novel methods to understand the nutritional ecology of <i>Microcebus rufus</i> for optimized management strategies in Ranomafana National Park and Isalo National Park, Madagascar”, Supervisor Dr. Patricia Wright
June 2017-Present	Stony Brook University, “Preliminary investigations of the nutritional ecology and gastrointestinal bacteria in two lemur species and arthropod communities in Ranomafana National Park, Madagascar”, Supervisor Dr. Patricia Wright
September 2015-Present	Central Washington University, “Collective decision making in Tibetan macaques: how followers affect the rules and efficiency of group movement”, Supervisor Dr. Lixing Sun
May 2013- Dec 2014	Fort Lewis College, “The effect of invasive shrub <i>Tamarix</i> on the bottom up ecology of a riparian ecosystem, Big Gypsum Valley, Colorado”, Supervisors Dr. Deborah Kendall and Dr. Erin Lehmer
May 2011-Dec 2014	Fort Lewis College, “Effect of invasive shrub <i>Tamarix</i> on arthropod communities in southwestern Colorado”, Supervisor Dr. Deborah Kendall
May-September 2011	Fort Lewis College, “Prevalence of <i>Sin Nombre</i> in <i>Peromyscus</i> sp. in southwest Colorado”, Supervisor Dr. Erin Lehmer

SERVICE, COMMUNITY, AND VOLUNTEER WORK

Service

August 2019-June 2020	Interdepartmental Doctoral Program in Anthropological Sciences Publications Manager, Stony Brook, NY, USA
August 2018-June 2019	Secretary, Behavioral Ecology Group, Stony Brook University, Stony Brook, NY, USA
August 2018-August 2019	Interdepartmental Doctoral Program in Anthropological Sciences Presentation Database Manager, Stony Brook, NY, USA
August 2017-August 2017	Graduate Student Employment Union Interdepartmental Doctoral Program in Anthropological Sciences Department Mobilizer, Stony Brook, NY, USA
June 2016-June 2017	President, Primate Awareness Network, Central Washington University, Ellensburg, WA, USA

Volunteer Work and Community Outreach

2020	Distance learning during COVID-19. “Meet an Anthropologist” Zoom sessions with K-12 science classes.
2020	Women in Science and Engineering, Stony Brook University, Stony Brook, NY: Instructor for advanced WISE undergraduate student lab rotations in arthropod collection, curation, and identification
2020	Long Island Science and Engineering Fair, Long Island, NY: Volunteer judge for a competition of science and engineering for local high school students
2015-2016	Center for Science and Math Excellence, Central Washington University, Stony Brook, NY: STEM outreach to K-12 students (100 hours)

2015-2017	Chimpanzee Sanctuary Northwest, Cle Elum, WA, USA: Husbandry of chimpanzees retired from biomedical research, education and community outreach (100 hours)
2011-2013	Animal Room, Fort Lewis College, Durango, CO, USA: Husbandry of reptiles, fish, and, education and community outreach (50+ hours)
2010-2013	Wolfwood Refuge, Ignacio, Colorado, USA: Rescued wolf and wolf dog husbandry, education and community outreach (200+ hours)

MEMBERSHIPS

Active since

2019	American Association of Physical Anthropologists
2017	American Society of Primatologists
2017	Society of Systematic Biologists
2017	Lepidopterists' Society
2017	American Society of Mammalogists
2017	Animal Behaviour Society
2017	International Primatological Society
2015	Primate Awareness Network
2015	Graduate Student Association
2013	Tri Beta Biological Honor Society
2012	Phi Kappa Phi Honor Society

LANGUAGE SKILLS

French	Intermediate
Malagasy	Intermediate
Mandarin	Intermediate
Spanish	Intermediate