

# MARGARET A. H. BRYER

Curriculum Vitae

Postdoctoral Fellow

Department of Psychology

Carnegie Mellon University

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## EDUCATION

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|------|---------|---|
| 2020 | Ph.D.   | The Graduate Center of the City University of New York<br>Anthropology Program<br>Dissertation: Nutritional strategy and social environment in<br>redtail monkeys ( <i>Cercopithecus ascanius</i> )<br>Committee: Jessica Rothman (advisor), Larissa Swedell,<br>Andrea Baden, Marina Cords, David Raubenheimer |
| 2016 | M.Phil. | The Graduate Center of the City University of New York<br>Anthropology Program  |
| 2012 | M.A.    | Hunter College of the City University of New York<br>Department of Anthropology<br>Thesis: Redtail monkey ( <i>Cercopithecus ascanius</i> ) spatial<br>patterns and insectivory in Uganda<br>Thesis advisor: Jessica Rothman  |
| 2007 | B.A.    | Columbia University, New York, NY<br>Department of History<br>Department of Ecology, Evolution and Environmental<br>Biology   |

## PUBLICATIONS

Rothman JM and **Bryer** MAH. (2019) The effects of humans on primate nutritional landscapes: A review. In: Behie A, Teichroeb J, Malone N, eds. *Primate Research and Conservation in the Anthropocene*. Cambridge Studies in Biological and Evolutionary Anthropology, 82, 199.

**Bryer** MAH, Chapman CA, Raubenheimer D, Lambert JE, and JM Rothman. (2015) Macronutrient and energy contributions of insects to the diet of a frugivorous monkey (*Cercopithecus ascanius*). *International Journal of Primatology*, 36:839-854.

Rothman JM, Raubenheimer D, **Bryer** MAH, Takahashi M and CC Gilbert. (2014) Nutritional contributions of insects to primate diets: implications for primate evolution. *Journal of Human Evolution*, 71: 59-69.

Rothman JM, Nkurunungi JB, Shannon B and MAH **Bryer**. (2014) High altitude diets: implications for the feeding and nutritional ecology of mountain gorillas. In: Gursky S, Grow, N, eds. *High altitude primates*. Springer Series Developments in Primatology, 247.

Higham JP, Amann AL, **Bryer** MAH, Thompson NA and S Winters. (2013) Review of The Evolution of Primate Societies (Eds. John C. Mitani, Josep Call, Peter M. Kappeler, Ryne A. Palombit, and Joan B. Silk). *International Journal of Primatology*, 34:1298-1303.

**Bryer** MAH, Chapman CA, and JM Rothman. (2013) Diet and polyspecific associations affect spatial patterns of redtail monkeys (*Cercopithecus ascanius*). *Behaviour*, 150:277-293.

## GRANTS & FELLOWSHIPS

- 2016-2015 NSF Doctoral Dissertation Research Improvement Grant, \$15,719
- 2015 City University of New York Doctoral Student Research Grant, \$700
- 2015-2012 NSF NYCEP-IGERT Trainee
- 2014-2013 City University of New York Graduate Teaching Fellow

## RESEARCH EXPERIENCE

- 2020-present Postdoctoral Fellow in Psychology, Carnegie Mellon University, in the Concepts, Actions and Objects Lab (PI Jessica Cantlon)
- 2018-2016 Nutritional chemistry analyses for dissertation and training of undergraduate and high school research assistants in Primate Nutritional Ecology Lab, Hunter College of the City University of New York (PI Jessica Rothman)
- 2016-2015 Dissertation behavioral and nutritional data collection in Kibale National Park, Uganda
- 2013 Pilot study for *in vitro* digestibility assay in Kibale National Park, Uganda (summer)
- 2012-2011 Master's thesis behavioral data and nutritional data collection in Kibale National Park, Uganda (summers)
- 2010 Research assistantship collecting behavioral data on chacma baboons (*Papio ursinus*) in Tokai Forest, Cape Town, South Africa (PI Shahrina Chowdhury)
- 2008 Research assistantship collecting behavioral and ranging data on woolly monkeys (*Lagothrix lagotricha*) at Tiputini Biodiversity Station, Ecuador (PIs Anthony Di Fiore, Christopher Schmitt)
- 2005 Research assistantship and summer fellowship (SURF) in Columbia University Primate Cognition Lab running non-invasive cognitive experiments and conducting research project on numerical cognition with rhesus macaques (*Macaca mulatta*) (PI Herbert Terrace)

## TEACHING EXPERIENCE

**Hunter College** of the City University of New York, Department of Anthropology:  
Human Biology Senior Capstone (seminar via Zoom and Blackboard: Summer 2020)

The Human Species (lecture: Fall 2017, Winter 2017, Summer 2016)

Also taught laboratory sections of:

Introduction to Human Evolution (Fall 2018, Spring 2018, Fall 2016)

The Human Species (Fall 2018, Spring 2018, Spring 2017)

**Brooklyn College** of the City University of New York, Department of Anthropology & Archaeology:

Anthropology of Sex (designed lecture course: Spring 2014, Fall 2013)

Human Origins (lecture: Fall 2014)

## CONFERENCE PRESENTATIONS

**Bryer**, MAH and Rothman JM. 2019. Do polyspecific associations influence nutritional intake of female redbell monkeys (*Cercopithecus ascanius*)? Annual Meeting of the American Association of Physical Anthropologists, Cleveland, OH.

**Bryer**, MAH, Raubenheimer D, Rothman JM. 2017. Nutritional strategies of female redbell monkeys (*Cercopithecus ascanius*) in Uganda. Annual Meeting of the American Society of Primatologists, Washington, DC.

**Bryer** MAH, Raubenheimer D, Rothman JM. 2017. Nutritional strategies of female redbell monkeys. Women in Science and Engineering (WiSE) at the City University of New York: Research and Progress Summit, Long Island City, NY.

**Bryer** MAH, Raubenheimer D, Rothman JM. 2017. Nutritional strategies of female redbell monkeys (*Cercopithecus ascanius*). Annual Meeting of the American Association of Physical Anthropologists, New Orleans, LA.

**Bryer** MAH and Rothman JM. 2016. The effects of humans on primate nutritional landscapes. Symposium: Reconciling Research and Conservation Priorities: Lessons Learned and Future Directions. Joint Meeting of the International Primatological Society and the American Society of Primatologists, Chicago, IL.

**Bryer** MAH, Swedell L, Chowdhury S. 2016. Fatty food or fertile females? Consortships and raiding behavior in male chacma baboons in the Cape Peninsula, South Africa. Annual Meeting of the American Association of Physical Anthropologists, Atlanta, GA.

**Bryer** MA, Raubenheimer D, Chapman CA, Rothman JM. 2012. Invertebrates provide substantial energy and protein for redbell monkeys (*Cercopithecus ascanius*) in Uganda. Annual Meeting of the American Association of Physical Anthropologists, Portland, OR.

**Bryer** MA, Chapman CA, Rothman JM. 2011. Diet and polyspecific associations affect nearest-neighbor distances of redbell monkeys in Kibale National Park, Uganda. Annual Meeting of the American Association of Physical Anthropologists, Minneapolis, MN.

**Bryer** MA. The National Zoo's O Line: The enrichment value of an orangutan transit system. 2009. Association of Zoos and Aquariums Annual Conference, Portland, OR.

## **OUTREACH**

2019-2018

Scientist pen pal with a middle school public school student as part of Letters to a Pre-Scientist program.

2016

Co-led workshop with New Nature Foundation, local conservation educators, elders and children in community next to Kibale National Park, Uganda, to foster conservation communication across generations.

2016

Taught classes on Ugandan primate diversity and conservation to primary and middle school students at Green Circle School in Fort Portal, Uganda. Also developed and distributed primate conservation education materials at the request of Ugandan instructors.

2015

Presented research by the Hunter College Primate Nutrition Project to field school undergraduates at Makerere Biological Field Station, Uganda.

2013

Presented on primate diversity to a pre-kindergarten class, Brooklyn, NY.

2009

Presented orangutan behavior research and spoke to the public about primate conservation at the Smithsonian Conservation Biology Institute's Autumn Conservation Festival, Front Royal, VA.

2008

Presented information on Tiputini Biodiversity Station's primate populations to field school students in Ecuador.

## **SERVICE**

Reviewed manuscripts: *African Journal of Ecology* (1), *American Journal of Primatology* (3), *Canadian Journal of Zoology* (1), *Ecology and Evolution* (1), *International Journal of Primatology* (4), *Journal of Human Evolution* (1), *Oecologia* (1), *PLOS ONE* (1)

## **PROFESSIONAL AFFILIATIONS**

American Association of Physical Anthropologists, International Primatological Society, Cognitive Science Society