

RACHNA B. REDDY

Curriculum Vitae
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Department of Human Evolutionary Biology
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[Google Scholar Profile](#)

ACADEMIC POSITIONS

2020-present Mind Brain Behavior Postdoctoral Fellow, Department of Human Evolutionary Biology & Department of Psychology, Harvard University

EDUCATION

2020 Ph.D. in Anthropology, University of Michigan
2012 B.A. with Distinction in Evolutionary Anthropology, Duke University

RESEARCH GRANTS & FELLOWSHIPS

External Support

Pending **John Templeton Foundation Grant**, “The Evolutionary Origins of Love: Investigating Trust, Support, & and Jealousy in Chimpanzees and Bonobos,” Co-PI (\$971,750)
2016 **National Science Foundation Doctoral Dissertation Research Improvement Grant**, “The development of male reproductive strategies in wild chimpanzees,” Co-PI (\$17,146)
2016 **L.S.B. Leakey Foundation Grant**, “The development of male reproductive strategies in wild chimpanzees,” Co-PI (\$5,272)
2016 **James F. Nacey Fellowship, Nacey-Maggioncalda Foundation**, “The development of male reproductive strategies in wild chimpanzees,” PI (\$5,000)
2015 **National Geographic Young Explorer Grant**, National Geographic Society, “The development of male-female social relationships in male chimpanzees,” PI (\$4,910)
2014 **National Science Foundation Graduate Research Fellowship**, “The development of aggression in male chimpanzees, PI (\$132,000)

Internal Support

2020 Mind Brain Behavior Postdoctoral Fellowship Award, Harvard University (\$143,655)
2019 Rackham Graduate School Predoctoral Fellowship, University of Michigan (\$32,640)
2017 Junior Fellowship, Gayle Morris Sweetland Center for Writing, University of Michigan (\$6,000 & teaching appointment)
2016 Rackham International Research Award, University of Michigan (\$7,500)
2015 Rackham Graduate Student Research Grant, University of Michigan (\$1,500)
2014 International Institute Individual Fellowship, University of Michigan (\$3,300)
2014 African Studies Center Award, University of Michigan (\$2,500)
2011 Deans’ Summer Research Fellowship, Duke University (\$2,500)
2011 Molly H. Glander Student Research Grant, Duke Lemur Center (\$300)
2011 Undergraduate Internship Fund Grant, Duke University (\$2,328)
2011 (Fall) Independent Study Grant, Duke University (\$400)
2011 (Spring) Independent Study Grant, Duke University (\$400)
2010 Deans’ Summer Research Fellowship, Duke University (\$2,000)
2009 Howard Hughes Research Fellows Program, Duke University (\$4,000)

PUBLICATIONS

Peer-reviewed Journal Articles

- 2021 **Reddy RB**, Langergraber KE, Sandel AA, Vigilant L, & Mitani JC. The development of affiliative and coercive reproductive tactics in male chimpanzees. *Proceedings of the Royal Society B: Biological Sciences* 288, 20202679
- 2021 Sandel AA & **Reddy RB**. Sociosexual behaviour in wild chimpanzees occurs in variable contexts and is frequent between same-sex partners. *Behaviour* 158(3-4), 249-276
- 2021 Clark IR, Sandel AA, **Reddy RB**, & Langergraber KE. A preliminary analysis of wound care and other-regarding behavior in wild chimpanzees at Ngogo, Kibale National Park, Uganda. *Primates*
- 2020 **Reddy RB** & Mitani JC. Adolescent and young adult male chimpanzees form affiliative, yet aggressive relationships with females. *Journal of Human Evolution*, 144, 102813
- 2020 **Reddy RB** & Sandel AA. Social relationships between chimpanzee sons and mothers endure but change during adolescence and adulthood. *Behavioral Ecology and Sociobiology* 74(150), 1-14
- 2020 **Reddy RB** & Wellman HW. Caregiving relationships as evolutionary and developmental bases of obligation. Commentary on target article: M. Tomasello, Moral psychology of obligation. *Behavioral and Brain Sciences* 43, E83
- 2019 **Reddy RB** & Mitani JC. Social relationships and caregiving behavior between recently orphaned chimpanzee siblings. *Primates* 60(5):389 – 400
- 2019 Negrey JD, **Reddy RB**, Scully EJ, Phillips-Garcia S, Owens L, Langergraber KE, Mitani JC, Emery Thompson M, Wrangham RW, Muller MN, Otali E, Machanda Z, Hyeroba D, Grindle KA, Pappas TE, Palmenberg AC, Gern JE, & Goldberg TL. Simultaneous outbreaks of respiratory disease in chimpanzees caused by distinct viruses of human origin. *Emerging Microbes & Infections* 8(1),139-149
- 2017 Sandel AA, **Reddy RB**, & Mitani JC. Adolescent male chimpanzees do not form a dominance hierarchy with their peers. *Primates* 58(1), 39-49
- 2016 **Reddy RB**, Krupenye C, MacLean EL, & Hare B. No evidence for yawn contagion in lemurs. *Animal Cognition* 19(5), 889-898
- 2015 **Reddy RB**, MacLean EL, Sandel AA, & Hare B. Social inhibitory control in five lemur species. *Primates* 56(3), 241-252
- 2014 MacLean EL, Hare B, Nunn CL, Addessi E, Amici F, Anderson RC, Aureli F, Baker J M, Bania AE, Barnard AM, Boogert NJ, Brannon EM, Bray EE, Bray J, Brent LJN, Burkart JM, Call J, Cantlon JF, Cheke LG, Clayton NS, Delgado MM, DiVincenti LJ, Fujita K, Herrmann E, Hiramatsu C, Jacobs LF, Jordan KE, Laude JR, Leimgruber KL, Messer EJE, Moura, AC de A, Ostojic L, Picard A, Platt ML, Plotnik JM, Range F, Reader SM, **Reddy RB**, Sandel AA, Santos LR, Schumann K, Seed AM, Sewall KB, Shaw RC, Slocombe KE, Su Y, Takimoto A, Tan J, Tao R, van Schaik CP, Virányi Z, Visalberghi E, Wade JC, Watanabe A, Widness J, Young JK, Zentall TR, & Zhao, Y. The evolution of self-control. *Proceedings of the National Academy of Sciences* 111(20), E2140-E2148
- 2013 MacLean EL, Sandel AA, Bray J, Oldenkamp RE, **Reddy RB**, & Hare B. Group size predicts social but not nonsocial cognition. *PLoS One* 8(6), 0066359
- In revision **Reddy RB** & Wellman HW. Children's understanding of conscious thoughts in others.
- In revision **Reddy RB**, Echelbarger M, Toomaijian N, Hammond T & Wellman HW. Cognitive propensities for interspecific care arise early in human development
- In review Negrey JD, Mitani JC, Wrangham RW, Otali E, **Reddy RB**, Pappas TE, Grindle KA, Gern JE, Machanda ZP, Muller MN, Langergraber KE, Emery Thompson M, Goldberg TL. Salivirus (*Picornaviridae*) infection is associated with illness in wild chimpanzees as part of a diverse gastrointestinal virome

AWARDS & HONORS

- 2019 Outstanding Graduate Student Instructor, University of Michigan
- 2015 Outstanding Graduate Student Instructor, University of Michigan
- 2010 Melcher Family Award for Excellence in Journalism, Duke University

TALKS & POSTERS

Invited

- 2021 “Social Relationships and Reproduction in Adolescent Male Chimpanzees,” Biological Anthropology Group, Department of Anthropology, Northwestern University, April 16, 2020
- 2020 “Social Relationships and Reproduction in Adolescent Male Chimpanzees,” Social Origins Laboratory, Department of Psychology, University of California, Berkeley, October 8, 2020
- 2020 “The Social Lives of Chimpanzees,” The Leakey Foundation’s Lunch Break Science Talk Series, July 23, 2020
- 2020 “The Social World of Chimps,” National Geographic Explorer Classroom Series, May 13, 2020
- 2019 “The Development of Reproductive Tactics in Male Chimpanzees,” Primatology Research Group, Department of Anthropology, University of Texas at Austin, March 8, 2019
- 2016 “The Development of Reproductive Tactics in Male Chimpanzees,” Makerere University Biological Field Station, Kibale National Park, Uganda, July 15, 2016

Contributed

- 2020 **Reddy RB**, Engelmann J, Herrmann E, & Surbeck M. Does love motivate apes to help others? The Love Consortium Community Event. August 27, 2020
- 2020 **Reddy RB**. Variation in adolescent male chimpanzee reproductive tactics: implications for understanding what is a “population” of chimpanzees. Published abstract. 89th Annual Meeting of the American Association of Physical Anthropologists. Los Angeles, CA (conference canceled)
- 2020 Clark IR, **Reddy RB**, Sandel AA, & Langergraber KE. Alloparental carrying and wound care in wild chimpanzees at Ngogo, Kibale National Park, Uganda. Published abstract. 89th Annual Meeting of the American Association of Physical Anthropologists. Los Angeles, CA (conference canceled)
- 2019 **Reddy RB**, Langergraber KE, Sandel AA, & Mitani JC. The development of male chimpanzee reproductive strategies. 88th Annual Meeting of the American Association of Physical Anthropologists. Cleveland, Ohio
- 2019 Goldberg TL, Basnet S, Emery Thompson M, Gern JE, Grindle KA, Langergraber KE, Machanda Z, Mitani JC, Muller MN, Negrey JD, Otali E, Owens L, Palmenberg AC, Pappas TE, Phillips-Garcia S, **Reddy RB**, Scully EJ, & Wrangham RC. Chimpanzee reverse zoonoses: unfortunate natural experiments in great ape comparative medicine and demography. 88th Annual Meeting of the American Association of Physical Anthropologists. Cleveland, Ohio
- 2018 **Reddy RB** & Mitani JC. Social relationships between orphaned chimpanzee siblings at Ngogo, Kibale National Park, Uganda. 87th Annual Meeting of the American Association of Physical Anthropologists. Austin, Texas
- 2016 **Reddy RB** & Sandel AA. Adolescent male chimpanzees do not form a linear dominance hierarchy with their peers. 85th Annual Meeting of the American Association of Physical Anthropologists. Atlanta, Georgia
- 2015 **Reddy RB**, Krupenye C, MacLean EL, Hare B. Lemurs do not yawn contagiously. 84th Annual Meeting of the American Association of Physical Anthropologists. St. Louis, Missouri
- 2014 **Reddy RB**, Anderson RC, Hare B. Vocal recognition in ring-tailed lemurs. 83rd Annual Meeting of the American Association of Physical Anthropologists. Calgary, Alberta, Canada

2013 MacLean EL, Sandel AA, Bray J, Oldenkamp R, **Reddy RB**, Hare B. Group size predicts social but not nonsocial cognition in lemurs. 20th International Conference on Comparative Cognition. Melbourne, Florida

Internal

2020 “The Development of Adolescent Male Chimpanzee Social and Reproductive Behavior,” Tuesday Lunch Symposium, Department of Human Evolutionary Biology, Harvard University, September 15, 2020

2019 Panelist, “Graduate Students and Their Exploration of the Future,” Celebrating our Donors and Their Lasting Impact, Rackham Graduate School, University of Michigan, October 4, 2019

2018 “Some Male Chimpanzees Maintain Close Social Bonds with Their Mothers in Adulthood,” Biological Anthropology Meeting, Department of Anthropology, University of Michigan, January 17, 2018

2018 “Comparative Field Research Methods,” Psychology Methods Hour, Department of Psychology, University of Michigan, February 23, 2018

2017 “Social Relationships Between Recently Orphaned Chimpanzee Siblings,” Biological Anthropology Meeting, Department of Anthropology, University of Michigan, October 25, 2017

2014 “Vocal exchanges among ring-tailed lemurs. Four Field Anthropology Conference, University of Michigan, March 22, 2014

RESEARCH SITES

2013-present **Ngogo Chimpanzee Project**, Kibale National Park, Uganda, P.I.’s Drs. John Mitani, David Watts, & Kevin Langergraber, Fieldwork on wild chimpanzee social behavior

2020-present **Kokolopori Bonobo Research Project**, Kokolopori Bonobo Reserve, Democratic Republic of Congo, P.I. Dr. Martin Surbeck, Fieldwork on wild bonobo social behavior

2020-present **Stress & Development Laboratory**, Department of Psychology, Harvard University, P.I. Dr. Katie McLaughlin, Developing clinical psychology methods for assessing how life adversity impacts mental health trajectories in wild apes

2014-present **Infant Cognition Lab**, Department of Psychology, University of Michigan, P.I. Dr. Henry Wellman, Developmental psychology research on child social cognition

2008-2013 **Duke Lemur Center**, Durham, North Carolina
Designed and performed experiments to study cognition, social behavior and vocal communication in lemurs

2009-2013 **North Carolina Zoo**, Asheboro, North Carolina
Tested hamadryas baboons and chimpanzees in comparative studies of cognition

2008-2013 **Hominoid Psychology Research Group & Duke Canine Cognition Center**, Department of Evolutionary Anthropology, Duke University, P.I. Dr. Brian Hare, Managed laboratory, conducted cognitive experiments with lemurs, monkeys, apes, and pet dogs

2011 **Budongo Conservation Field Station**, Budongo Forest Reserve, Uganda
Habituated and studied the behavior of wild chimpanzees

TEACHING

Instructor-of-Record, University of Michigan

2019 Introduction to Biological Anthropology,
2018 Writing and Academic Inquiry: Coming of Age Stories

Assistant Instructor, University of Michigan

2019 Primate Evolutionary Ecology (teaching award recipient)
2015 Introduction to Biological Anthropology

2014 Primate Social Behavior (teaching award recipient)

MENTORING

2020 Marysa Gatica, Undergraduate Research Opportunity Program, University of Michigan
2019 Alexis Smith, Michigan Summer Program in Cognitive Development, Undergraduate Student, Spelman College
2018-2019 Natalie Toomajian, Undergraduate Student & Lab Manager, Psychology, University of Michigan
2018 Janelis Lopez, Michigan Summer Program in Cognitive Development Undergraduate Student, University of Michigan
2018 Taeah Hammond, Michigan Summer Program in Cognitive Development Undergraduate Student, University of Michigan
2018 Samantha Ladd, Michigan Summer Program in Cognitive Development Undergraduate Student, Colby College
2017-2018 Sarah Conwisar, Undergraduate Independent Study Student, Psychology, University of Michigan
2017-2018 Liza Rosenfeld, Undergraduate Independent Study Student, Psychology, University of Michigan
2016-2017 Jeremy Clift, Research Assistant, Ngogo Chimpanzee Project
2013 Seraphina Wong, High School Summer Research Program, North Carolina School of Science and Mathematics
2013 Laura Lewis, Howard Hughes Research Fellows Program, Duke University
2012-2013 Sruti Pisharody, Undergraduate Independent Study Student, Duke University
2012 Melissa Klein, Howard Hughes Research Fellows Program, Duke University

SERVICE

Harvard University, Department of Human Evolutionary Biology

2020-present Diversity and Inclusion Task Force
Working group leader on mentorship training in inaugural task force, member of outreach working group
2020-present Mind Brain Behavior Initiative Young Investigator Committee
Organize talk series and other events

University of Michigan, Department of Anthropology

2016-2020 Biological Anthropology Conduct Committee
Spearheaded, developed, and wrote guidelines for preventing and addressing misconduct and discrimination at field sites, developed strategies with international field teams to implement (and continue to implement) these on-the-ground
2018 Search Committee, Biological Anthropology Faculty Hire
2013-2016 Co-Coordinator, Four Field Anthropology Graduate Talk Series
2014-2016 Panelist, Undergraduate Honors Student Discussion Panel on Writing
2014-2015 Judge, Undergraduate Senior Honors Thesis Poster Session

PUBLIC OUTREACH

Institutions & Ongoing Projects

2015-present Backyard Wildlife Drawing Exchange Program
Started program where primary school students around the world exchange drawings of their favorite local wildlife. More than 500 students have participated
2014-present Kyakagunga Primary School, Kamwenge District, Uganda

- Work with teachers and community members to apply for permanent government funding, raise funds for classroom construction, conduct biodiversity and conservation lessons, organize and judge science fairs for students
- 2018 “Careers in the Forest” Workshop for women in Bigodi Village, Kamwenge District, Uganda
- 2012-2013 Duke Canine Cognition Center, Duke University, Durham, North Carolina
- Hosted school field trips and designed interactive activities to teach K-12 students about the scientific process and the evolution of cognitive traits.

Educational Talks

- 2019 Haisley Elementary School, Ann Arbor, MI, USA
- 2019 Emerson School, Ann Arbor, MI, USA
- 2019 Huron High School, Ann Arbor, MI, USA
- 2019 Pioneer High School, Ann Arbor, MI, USA
- 2019 The Evergreen School, Shoreline, WA, USA
- 2018 Pioneer High School, Ann Arbor, MI, USA
- 2018 The Evergreen School, Shoreline WA, USA
- 2018 Niji-Iro Japaese Immersion Elementary School, Livonia, MI, USA
- 2016 The Evergreen School, Shoreline, WA, USA
- 2016 Kyakagunga Primary School, Kamwenge District, Uganda
- 2014 Public Nurses College, Kampala, Uganda
- 2014 Southwest Detroit Charter School, Detroit, MI, USA
- 2014 Angell Elementary School, Ann Arbor, MI, USA

Media Experience & Collaborations

- 2018-2021 Scientific Consultant, Silverback Films for the *BBC*’s “The Mating Game”
- 2019 Speaker, National Geographic’s Explorer Academy Event
- 2019 Kundiman Fiction Fellowship
- 2017 Contributor, National Geographic Panorama: Science, “What Do Animals Need?”
- 2016 Kundiman Fiction Fellowship