

Rosemary Bettle

University of Michigan,
Department of Psychology
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Education

- 2017 - present PhD candidate, University of Michigan
Department of Psychology, Biopsychology area
Advisor: Alexandra Rosati
- 2015 - 2017 AM, Harvard University
Department of Human Evolutionary Biology
Advisor: Alexandra Rosati
- 2011 - 2014 BA, Balliol College, University of Oxford
Biological Sciences: First Class
Thesis Project: "Organisation and evolution of the input into the
middle temporal area of the macaque"
Advisors: Sebastian Shimeld and Kristine Krug

Training

- 2018 Canadian Institute for Advanced Research
Winter School on the Neuroscience of Consciousness
- 2018 - present University of Michigan Museum of Natural History
Science Communication Fellow
- 2014 - 2015 Inkawu Vervet Research Project, South Africa
Research Assistant

Publications

- Bettle, R. & Rosati, A.G. (2019). Flexible gaze following in rhesus monkeys. *Animal Cognition*, 22: 673-686.
- Bettle, R. & Rosati, A.G. (2016). "Understanding human gaze." In: *Encyclopedia of Evolutionary Psychological Science* (T. Shackelford and V. Weekes-Shackelford, eds.). Springer International Publishing, pp. 1-4.
- Bettle, R & Rosati, A.G. (In press). The primate origins of human social cognition. *Language Learning and Development*.
- Bettle, R & Rosati, A.G. (In press). The evolutionary origins of natural pedagogy: rhesus monkeys show sustained attention following nonsocial cues versus social communicative signals. *Developmental Science*.

Conference presentations

- Bettle, R. & Rosati, A.G. (2019). "The evolutionary origins of natural pedagogy: rhesus monkeys preferentially use nonsocial cues versus communicative signals."
Cognitive Development Society, Kentucky (poster).
- Bettle, R. & Rosati, A.G. (2018). "Flexible gaze following in rhesus monkeys."
International Primatological Society, Nairobi, Kenya (talk).
- Bettle, R. & Rosati, A.G. (2017). "Gaze following around barriers in rhesus monkeys."
Society for Research in Child Development Meeting, Austin (poster).

Grants and awards

- 2019 Leakey Foundation Research Grant: \$15,000. "The evolution of social intelligence in macaques".
- 2019 Rackham Graduate School at the University of Michigan Conference Travel Grant: \$800.
- 2017 Rackham Graduate School at the University of Michigan Student Research Grant: \$1500. "The psychology of cooperation in chimpanzees".
- 2017 Rackham Graduate School at the University of Michigan International Travel Grant: \$1300.
- 2016 Harvard University Mind, Brain and Behavior Grant: \$5182. "Can Chimpanzees use human-like mentalising skills to enable successful cooperation?"
- 2016 Harvard University Human Evolutionary Biology Early Training and Research Support Grant: \$4475. "The evolution of human-like gaze following"
- 2013 Brackenbury Fund at Balliol College, University of Oxford: £450. This enabled me to attend a neuroscience and animal behavior summer school at Newcastle University.

Teaching

- 2019 - pres. Student Instructor for Anthropology Hon 232: Your Inner Ape
- 2017 - 2019 Student Instructor for Psychology 230: Intro to Behavioral Neuroscience

Undergraduate mentoring

- 2019 - pres. Joanna Culp, University of Michigan, Undergraduate Research Opportunity Program
- 2019 - pres. Benjamin Culp, University of Michigan, Undergraduate Research Opportunity Program
- 2018 - 2019 Megan Mulhinch, Neuroscience, University of Michigan Honors thesis: Social cognition and human cooperation

Reviews

Ad hoc reviewer for: *Animal Cognition*; *Cognition*; *Primates*; *Scientific Reports*

Scientific outreach

- 2019 SACNAS Science Expo with Little Traverse Bay Bands of Odowa Indians (talk and activity)
- 2018 Scientist Spotlight at University of Michigan Museum of Natural History “How do monkeys think?” (talk and activity for schoolchildren)
- 2018 NerdNite Ann Arbor “Thinking like a primate” (talk).
- 2017 RELATE Science Communication Training (workshop participant)
- 2017 FEMMES (females excelling more in math, engineering and science) “How do scientists study animal behavior?” (talk).

Departmental service

- 2020 – pres. Biopsychology Diversity Committee at University of Michigan
- 2020 – pres. Biopsychology Diversity and Professional Development Task Force
- 2016 - 2017 Mind, Brain and Behavior Graduate Steering Committee at Harvard University

Research experience

- 2018 - pres. Trentham Monkey Forest (barbary macaques). Experimental cognitive tests and observations of free-ranging monkeys for PhD research.
Supervisors: Alexandra Rosati and Zarin Machanda
- 2017 - 2018 Sweetwaters Chimpanzee Sanctuary (chimpanzees). Experimental cognitive tests with chimpanzees for PhD research.
Supervisors: Alexandra Rosati and Alicia Melis
- 2016 - pres. Duke University Lemur Centre (various lemur species). Experimental cognitive tasks with various lemur species for PhD research.
Supervisor: Alexandra Rosati
- 2016 - pres. Caribbean Primate Research Center (rhesus macaques). Experimental cognitive tests and observations of free-ranging monkeys for PhD research.
Supervisor: Alexandra Rosati
- 2014 - 2015 Inkawu Vervet Research Project, South Africa (vervet monkeys). Collection of observational data and fecal samples, as well as social learning experiments with wild vervet monkeys.
Supervisor: Erica Van De Waal
- 2013 - 2014 Krug Lab, University of Oxford. Used neuroLucida to analyze patterns of neural connectivity in the rhesus macaque visual system for undergraduate thesis research.
Supervisor: Kristine Krug
- 2013 Centre for Behaviour and Evolution, Newcastle University. Conducted experimental spatial memory tasks with wild-caught coal tits, as part of Newcastle University’s Neuroscience and Animal Behavior summer school.
Supervisor: Tom Smulders