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Research website: <https://sites.lsa.umich.edu/cognitive-evolution/>  
Outreach website: <https://sites.lsa.umich.edu/primateteaching/>

## **Academic Appointments**

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2022 – Associate Professor, University of Michigan  
2017 – 2022 Assistant Professor, University of Michigan  
Department of Psychology  
Department of Anthropology (*by courtesy*)  
Affiliated Faculty, Weinberg Institute for Cognitive Science  
  
2015 – 2017 Assistant Professor, Harvard University  
Department of Human Evolutionary Biology

## **Education and Training**

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2013 – 2015 Postdoctoral Researcher, Yale University  
Department of Psychology  
  
2007 – 2012 Ph.D. in Evolutionary Anthropology, Duke University  
Certificate in Cognitive Neuroscience  
  
2011 – 2012 Visiting Fellow, Harvard University  
Department of Human Evolutionary Biology  
  
2005 – 2007 Research Assistant, Max Planck Institute for Evolutionary Anthropology  
Department of Developmental and Comparative Psychology  
  
2001 – 2005 A.B. in Psychology, Harvard University  
Certificate in Mind, Brain, and Behavior

## **Research Interests**

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Primate cognition, cognitive evolution, comparative development and aging, decision-making, executive function, social cognition, spatial cognition

## **Awards**

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2023 Henry Russel Award, University of Michigan  
2022 American Psychological Association Award for Early Career Contribution to Psychology  
2021 American Psychological Association Division 6 Early Career Investigator Award

- 2020 National Science Foundation CAREER Award
- 2019 Alfred P. Sloan Research Fellow in Neuroscience
- 2010 Evolutionary Anthropology Mentorship Award, Duke University
- 2009 Honorable Mention, NSF Graduate Research Fellowship Program
- 2009 Evolutionary Anthropology Mentorship Award, Duke University
- 2008 Honorable Mention, NSF Graduate Research Fellowship Program
- 2007 James B. Duke Fellowship in Cognitive Neuroscience, Duke University
- 2005 Hoopes Prize for Undergraduate Thesis, Harvard University
- 2005 Psychology Faculty Thesis Award, Harvard University

## Grants

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### *External Funding*

- 2022 – 2027 National Institutes on Aging (R37 AG049395)  
*Cumulative life course effects on aging and health in a long-lived primate model*  
Role: MPI and leader of ape sanctuary research, with MPIs M. Emery Thompson (University of New Mexico), I. Gilby (Arizona State University), T. Goldberg (University of Wisconsin) and E. Lonsdorf (Emory); \$220,000 to UM (\$3,100,000 total)
  
- 2022 – 2025 National Science Foundation (BIO 2217812)  
*The evolutionary demography of a social mammal*  
Role: co-I with PI R. Hernández Pacheco; \$69,000 to UM (\$450,000 total)
  
- 2022 – 2024 National Institutes on Aging (R21 20-0266)  
*Modeling individual health histories and the dynamics of social inequality in a nonhuman primate population*  
Role: MPI with PI R. Hernández Pacheco; \$98,000 to UM (\$370,000 total)
  
- 2020 – 2024 National Science Foundation CAREER (IOS and SBE 1944881)  
*The evolution and development of cognitive control*  
Role: PI; \$586,000
  
- 2019 – 2023 National Science Foundation (NCS-FO 1926653)  
*Collaborative Research: The evolutionary origins of leadership in chimpanzees: from individual minds to collective action*  
Role: PI, with co-PIs Z. Machanda (Tufts), and M. Emery Thompson and M. Muller (University of New Mexico); \$410,000 to UM (\$903,000 total)
  
- 2019 – 2023 Alfred P. Sloan Research Fellowship in Neuroscience  
Role: PI; \$70,000

### Completed Funding

- 2015 – 2021 National Institutes on Aging (R01 AG049395)  
*Biodemography of aging in wild chimpanzees*  
Role: MPI and leader of ape sanctuary research, with MPIs M. Emery Thompson (University of New Mexico), J. Mitani (University of Michigan), and R. Wrangham (Harvard); \$310,000 for ape sanctuary research (\$2,900,000 total)
- 2011 – 2012 L.S.B. Leakey Foundation Research Grant  
*The development of spatial cognition in chimpanzees and bonobos*  
Role: PI; \$13,000

### Internal Funding

- 2012 Duke Conference Travel Grant (\$750)  
2010 Duke Sigma Xi Sally-Hughes Schrader Travel Grant (\$1250)  
2007 – 2011 James B. Duke Fellowship, Duke University (\$5000/year)  
2004 Harvard Mind, Brain, and Behavior Program Research Grant (\$3500)  
2001 – 2004 Harvard College Research Program Awards (\$800-\$1000/year)

### Publications

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\*Student/postdoctoral trainee; ^Equal author contribution

#### Journal Articles

55. **Rosati, A.G.**, Emery Thompson, M., Atencia, R., & Buckholtz, J.W. (accepted). Distinct developmental trajectories for risky and impulsive decision-making in chimpanzees. *Journal of Experimental Psychology: General*.
54. Dunay, E., Owens, L.A., Dunn, C.D., Rukundo, J., Atencia, R. Cole, M.F.\*, Cantwell, A.\*, Emery Thompson, M., **Rosati, A.G.**, Goldberg, T.L. (in press). Viruses in sanctuary chimpanzees across Africa. *American Journal of Primatology*.
53. De Petrillo, F.\*, Nair, P.\*, Cantwell, A.\*, & **Rosati, A.G.** (2022). The evolution of cognitive control in lemurs. *Psychological Science*, 33: 1408-1422.
52. Cantwell, A.\*, Buckholtz, J.W., Atencia, R., & **Rosati, A.G.** (2022). The origins of cognitive flexibility in chimpanzees. *Developmental Science*, 25: e13266.
51. **Rosati, A.G.**, Machanda, Z.P., & Slocombe, K.E. (2022). Cognition in the wild: understanding animal thought in its natural context. *Current Opinion in Behavioral Sciences*, 47: 101210.
50. De Petrillo, F.\*, Bettle, R.\* & **Rosati, A.G.** (2022). Insights from matched species comparisons for understanding cognition in the wild. *Current Opinion in Behavioral Sciences*, 45:101134.

49. Bettle, R.\* & **Rosati, A.G.** (2022). Sensitivity to line-of-sight in tolerant versus despotic macaques (*Macaca sylvanus* and *M. mulatta*). *Journal of Comparative Psychology*.
48. Bettle, R.\* & **Rosati, A.G.** (2021). The evolutionary origins of natural pedagogy: rhesus monkeys show sustained attention following nonsocial cues versus social communicative signals. *Developmental Science*, 24: e12987
47. Grueneisen, S., **Rosati, A.G.**, & Warneken, F. (2021) Children show economic trust for both ingroup and outgroup partners. *Cognitive Development*, 59: 101077.
46. Bettle, R.\* & **Rosati, A.G.** (2021). The primate origins of human social cognition. *Language Learning and Development*, 17: 96-127.
45. De Petrillo, F.\* & **Rosati, A.G.** (2021). Variation in primate decision-making under uncertainty and the roots of human economic behaviour. *Philosophical Transactions of the Royal Society B*, 376: 20190671.
44. **Rosati, A.G.**<sup>^</sup>, Hagberg, L., Enigk, D.K., Oтали, E., Emery Thompson, M., Muller, M.N., Wrangham, R.W., & Machanda, Z.P.<sup>^</sup> (2020). Social selectivity in aging wild chimpanzees. *Science*, 370: 473-476.
43. Cole, M.F.\*, Cantwell, A.\*, Rukundo, J., Ajarova, L. Atencia, R., Fernandez-Navarro, S., & **Rosati, A.G.** (2020). Healthy cardiovascular biomarkers across the lifespan in wild-born chimpanzees (*Pan troglodytes*). *Philosophical Transactions of the Royal Society B*, 375: 20190609.
42. Machanda, Z.P.<sup>^</sup> & **Rosati, A.G.**<sup>^</sup> (2020). Shifting sociality during primate ageing. *Philosophical Transactions of the Royal Society B*, 375: 20190620.
41. Emery Thompson, M., **Rosati, A.G.**, & Snyder-Mackler, N. (2020). Insights from evolutionarily relevant models for human ageing. *Philosophical Transactions of the Royal Society B*, 375: 20190605.
40. De Petrillo, F.\* & **Rosati, A.G.** (2020). Logical inferences from visual and auditory information in ruffed lemurs and sifakas. *Animal Behaviour*, 164: 193-204.
39. **Rosati, A.G.**, Benjamin, N., Pieloch, K., & Warneken, F. (2019). Economic trust in young children. *Proceedings of the Royal Society B*, 286: 20190822.
38. De Petrillo, F.\* & **Rosati, A.G.** (2019). Rhesus monkeys use probabilities to predict future events. *Evolution and Human Behavior*, 40: 436-446.
37. Bettle, R.\* & **Rosati, A.G.** (2019). Flexible gaze following in rhesus monkeys. *Animal Cognition*, 22: 673-686.
36. De Petrillo, F.\* & **Rosati, A.G.** (2019). Ecological rationality: convergent decision-making in apes and capuchins. *Behavioral Processes*, 164: 201-213.

35. **Rosati, A.G.** (2019). Heterochrony in chimpanzee and bonobo spatial memory development. *American Journal of Physical Anthropology*, 169: 302-321.
34. **Rosati, A.G.**, DiNicola, L.M.\*, & Buckholtz, J.W. (2018). Chimpanzee cooperation is fast and independent from self-control. *Psychological Science*, 29: 1832-1845.
33. **Rosati, A.G.**, Arre, A.M.\*, Platt, M.L., & Santos, L.R. (2018). Developmental shifts in social cognition: socioemotional biases across the lifespan in rhesus monkeys. *Behavioral Ecology and Sociobiology*, 72: 163.
32. Stokes, R., Tully, G., & **Rosati, A.G.** (2018). Pan African Sanctuary Alliance: Securing a future for the African great apes. *International Zoo Yearbook*, 52: 1–9.
31. **Rosati, A.G.** (2017). Foraging cognition: Reviving the ecological intelligence hypothesis. *Trends in Cognitive Sciences*, 21: 691-702.
30. **Rosati, A.G.** & Santos, L.R. (2017). Tolerant Barbary macaques maintain juvenile levels of social attention in old age, but despotic rhesus macaques do not. *Animal Behaviour*, 130: 199-207.
29. Stokes, R., Tully, G., & **Rosati, A.G.** (2017). Pan African Sanctuary Alliance: Primate welfare, conservation, and research. *African Primates*, 12: 59-64.
28. **Rosati, A.G.** & Santos, L.R. (2016). Spontaneous metacognition in rhesus monkeys. *Psychological Science*, 27: 1181-1191.
27. **Rosati, A.G.**, & Hare, B. (2016). Reward type modulates human risk preferences. *Evolution and Human Behavior*, 37: 159–168.
26. **Rosati, A.G.**, Arre, A.M.\*, Platt, M.L., & Santos, L.R. (2016). Rhesus monkeys show human-like changes in gaze following across the lifespan. *Proceedings of the Royal Society B*, 283: 20160376.
25. **Rosati, A.G.** & Warneken, F. (2016). How comparative psychology can shed light on human evolution: Response to Beran et al.’s discussion of “Cognitive capacities for cooking in chimpanzees.” *Learning & Behavior*, 44: 109-115.
24. Leimgruber, K., **Rosati, A.G.**, & Santos, L.R. (2016). Capuchin monkeys punish those who have more. *Evolution and Human Behavior*, 37: 263-244.
23. Krupenye, C., **Rosati, A.G.**, & Hare, B. (2016). What’s in a frame? Response to comments on “Bonobos and chimpanzees exhibit human-like framing effects”. *Biology Letters*, 12: 20150959.
22. Krupenye, C., **Rosati, A.G.**, & Hare, B. (2015). Bonobos and chimpanzees exhibit human-like framing effects. *Biology Letters*, 11: 20140527.

21. **Rosati, A.G.** (2015). Context influences spatial frames of reference in bonobos (*Pan paniscus*). *Behaviour*, 152: 375-406.  
*Reprinted in: Bonobo cognition and behavior (B. Hare & S. Yamamoto, eds.)*
20. Santos, L.R. & **Rosati, A.G.** (2015). The evolutionary roots of human decision-making. *Annual Review of Psychology*, 66: 321-347.
19. Warneken, F. & **Rosati, A.G.** (2015). Cognitive capacities for cooking in chimpanzees. *Proceedings of the Royal Society B*, 282: 20150229.
18. **Rosati, A.G.**, Rodriguez, K., & Hare, B. (2014). The ecology of spatial memory in four lemur species. *Animal Cognition*, 17: 947-961.
17. **Rosati, A.G.**, Wobber, V., Hughes, K., & Santos, L.R. (2014). Comparative developmental psychology: How is human cognitive development unique? *Evolutionary Psychology*, 12: 448-473.
16. **Rosati, A.G.**, Herrmann, E., Kaminski, J., Krupenye, C., Melis, A.P., Schroepfer, K., Tan, J., Warneken, F., Wobber, V., & Hare, B. (2013). Assessing the psychological health of captive and wild apes: A response to Ferdowsian et al. (2011). *Journal of Comparative Psychology*, 127: 329-36.
15. **Rosati, A.G.** & Hare, B. (2013). Chimpanzees and bonobos exhibit emotional responses to decision outcomes. *PLoS One*, 8: e63058.
14. **Rosati, A.G.** & Hare, B. (2012). Chimpanzees and bonobos exhibit divergent spatial memory development. *Developmental Science*, 15: 840-853.
13. **Rosati, A.G.**, & Hare, B. (2012). Decision-making across social contexts: competition increases preferences for risk in chimpanzees and bonobos. *Animal Behaviour*, 84: 869-879.
12. MacLean, E., Matthews, L.J., Hare, B., Nunn, C.L., Anderson, R.C., Aureli, F., Brannon, E.M., Call, J., Drea, C.M., Emery, N.J., Haun, D.B.M., Herrmann, E., Jacobs, L.J., Platt, M.L., **Rosati, A.G.**, Sandel, A.R., Schroepfer, K.K., Seed, A.M., Tan, J., van Schaik, C.P., & Wobber, V. (2012). How does cognition evolve? Phylogenetic comparative psychology. *Animal Cognition*, 15: 223-238.
11. **Rosati, A.G.** & Hare, B. (2011). Chimpanzees and bonobos distinguish between risk and ambiguity. *Biology Letters*, 7: 15-18.
10. Schroepfer, K.K., **Rosati, A.G.**, Chartrand, T., & Hare, B. (2011). Use of "entertainment" chimpanzees in commercials distorts public perception regarding their conservation status. *PLoS One*, 6: e26048.

9. Stevens, J.R., **Rosati, A.G.**, Heilbronner, S.R., & Muelhoff, N. (2011). Waiting for grapes: Expectancy and delayed gratification in bonobos. *International Journal of Comparative Psychology*, 24: 99-111.
8. Hare, B., **Rosati, A.G.**, Kaminski, J., Braeuer, J., Call, J., & Tomasello, M. (2010). The domestication hypothesis for dogs' skills with human communication: a response to Udell et al. (2008) and Wynne et al. (2008). *Animal Behaviour*, 79: e1-e6.
7. **Rosati, A.G.** & Hare, B. (2009). Looking past the model species: diversity in gaze-following skills across primates. *Current Opinion in Neurobiology*, 19: 45-51.
6. Venkatraman, V., **Rosati, A.G.**, Taren, A., & Huettel, S. (2009). Resolving response, decision and strategic control: Evidence for a functional topography in dorsomedial prefrontal cortex. *Journal of Neuroscience*, 29: 13158-13164.
5. Heilbronner, S.R., **Rosati, A.G.**, Stevens, J.R., Hare, B., & Hauser, M.D. (2008). A fruit in the hand or two in the bush? Divergent risk preferences in chimpanzees and bonobos. *Biology Letters*, 4: 246-249.
4. **Rosati, A.G.**, Stevens, J.R., Hare, B., & Hauser, M.D. (2007). The evolutionary origins of human patience: Temporal preferences in chimpanzees, bonobos, and human adults. *Current Biology*, 17: 1663–1668.
3. **Rosati, A.G.**, Stevens, J.R., & Hauser, M.D. (2006). The effect of handling time on temporal discounting in two New World primates. *Animal Behaviour*, 71: 1379-1387.
2. Stevens, J.R., **Rosati, A.G.**, Ross, K.R., & Hauser, M.D. (2005). Will travel for food: Spatial discounting in two New World monkeys. *Current Biology*, 15: 1855 – 1860.
1. Santos, L.R., **Rosati, A.G.**, Spaulding, B., Sproul, C. & Hauser, M.D. (2005). Means-means-end tool choice in cotton-top tamarins (*Sanguinus oedipus*): finding the limits on primates' knowledge of tools. *Animal Cognition*, 8: 236-246.

Book chapters and other publications

12. De Petrillo, F.\* & **Rosati, A.G.** (2021). “Decision-making in animals: rational choices and adaptive strategies.” In: *Cambridge Handbook of Animal Cognition* (A. Kaufman, J. Call, & J. Kaufman, eds.) Cambridge: Cambridge University Press, pp. 770-791.
11. **Rosati, A.G.** (2018). The ape inside us: Chimpanzee behavior and human evolution. *Natural History*, 126: 34-36.
10. **Rosati, A.G.** (2017). “Chimpanzee cognition and the roots of the human mind.” In: *Chimpanzees and Human Evolution* (M. Muller, R. Wrangham & D. Pilbeam, eds.). Cambridge: The Belknap Press of Harvard University Press, pp. 703-745.

9. **Rosati, A.G.** (2017). “Ecological variation in cognition: Insights from bonobos and chimpanzees.” In: *Bonobos: Unique in Mind, Brain and Behavior* (B. Hare & S. Yamamoto, eds.). Oxford: Oxford University Press, pp. 157-170.
8. **Rosati, A.G.** (2017). “Decision-making under uncertainty: preferences, biases, and choice.” In: *APA Handbook of Comparative Psychology, Volume 2.* (J. Call, ed.). American Psychological Association, pp. 329-357.
7. **Rosati, A.G.** (2017). “The evolution of primate executive function: from response control to strategic decision-making.” In: *Evolution of Nervous Systems, Second Edition, Volume 3* (J. Kaas & L. Krubitzer, eds.). Amsterdam: Elsevier, pp. 423-437.
6. **Rosati, A.G.** (2016). Uncovering the behavior and cognition of the earliest stone tool makers. *Evolutionary Anthropology*, 25: 269–270.
5. 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.
4. Warneken, F. & **Rosati, A.G.** (2012). “Early social cognition: How psychological mechanism can inform models of decision-making.” In: *Evolving the Mechanisms of Decision Making: Toward a Darwinian Decision Theory*, Strüngmann Forum Reports, vol. 11 (P. Hammerstein and J. R. Stevens, eds.). Cambridge, MA: MIT Press, pp. 288-289.
3. **Rosati, A.G.**, Santos, L.R., & Hare, B. (2010). “Primate social cognition: Thirty years after Premack and Woodruff.” In: *Primate Neuroethology* (A. Ghazanfar and M. Platt, eds.). Oxford: Oxford University Press, pp. 117-143.
2. **Rosati, A.G.** & Hare, B. (2010). “Social cognition: From behavior-reading to mind-reading.” In: *The Encyclopedia of Behavioral Neuroscience* (G. Koob, R. F. Thompson, and M. Le Moal, eds). Elsevier, pp. 263-268.
1. **Rosati, A.G.** & Stevens, J.R. (2009). “The adaptive nature of context-dependent choice.” In: *Rational Animal, Irrational Human* (S. Watanabe, A. Young, L. Huber, A. Blaisdell & Y. Yamazaki, eds.). Tokyo: Keio University Press, pp. 101-117.

## **Talks and Presentations**

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### *Invited Talks (external)*

- 2022 Animal Behavior Society, Costa Rica (invited symposium talk)
- 2021 Cognitive & Comparative Psychology Colloquium, Graduate Center, CUNY
- 2021 European Society for Philosophy and Psychology, Germany (invited symposium talk)
- 2021 American Psychological Association, Div. 6 Early Career Investigator award talk
- 2021 Metacognition Conference, University of London (invited talk)
- 2021 Future of Foraging Seminar Series, Champalimaud Research and HHMI Janelia
- 2021 Johns Hopkins Origins of Animal Minds Workshop

- 2021 Evolution of Social Complexity Colloquium Series, Arizona State University
- 2021 Mechanisms of Learning Forum, Emory University
- 2021 German Primate Center, University of Göttingen, Germany
- 2021 Origins of the Social Mind, Soc. for Persn. and Social Psych. (invited preconference talk)
- 2020 MindCORE Seminar Series, University of Pennsylvania
- 2020 Biological Sciences Seminar, California State University Long Beach
- 2019 Economic Science Association, Dijon, France (invited symposium talk)
- 2019 International Convention on Psychological Science, Paris (invited symposium talk)
- 2018 Canadian Institute for Advanced Research, Montebello, Canada (Winter School speaker)
- 2018 Mind-Brain Institute, The George Washington University, Washington, DC
- 2018 Department of Psychology, Boston University, Boston
- 2018 Society for Language Development Symposium, Boston (keynote talk)
- 2018 Society for the Quantitative Analyses of Behavior, San Diego (invited talk)
- 2018 Trentham Monkey Forest, Stoke-on-Trent, UK
- 2018 Detroit Zoo Talk Series, Detroit
- 2017 Representing Self and Other Workshop, École normale supérieure, Paris
- 2017 Keville-DePalma Founders Lecture, Darwin Day Festival, Salem State University
- 2017 Society for Affective Science, Boston (invited flash talk)
- 2016 Human Evolution Workshop 13, Turkana Basin Institute, Kenya
- 2016 International Congress of Neuroethology, Montevideo, Uruguay (invited talk)
- 2016 Social Cognitive Neuroscience Lab, Dept. of Brain and Cognitive Science, MIT
- 2016 Duke Lemur Center 50<sup>th</sup> Anniversary Symposium, Duke University
- 2016 Department of Psychology, University of Michigan
- 2016 Symposium on the Biology of Decision Making, Paris
- 2015 Symposium on Mental Time Travel, Tokyo
- 2015 Annual Meeting of the Japanese Society for Animal Psychology, Tokyo (invited talk)
- 2015 Animality Workshop, Department of Philosophy, Trinity College
- 2014 Network on Decision Neuroscience and Aging, Florida
- 2014 Animal Consciousness Symposium, Harvard University
- 2014 Eastern Psychological Conference, Boston
- 2014 Research in Spatial Cognition Lab, Department of Psychology, Temple University
- 2014 Psychiatric Genetics and Translational Research Seminar, Mass. General Hospital
- 2013 Department of Human Evolutionary Biology, Harvard University
- 2013 Cognition, Brain, and Behavior Talk Series, Dept. of Psychology, Harvard University
- 2013 Animal Behavior Talk Series, University of Pennsylvania
- 2013 Department of Anthropology, Boston University
- 2012 Department of Psychology, Yale University
- 2012 Pan-African Sanctuary Alliance Board Meeting, Cambridge MA
- 2012 IFREE Lectures at the Economic Science Laboratory, Chapman University
- 2011 Protecting Great Apes Workshop, Wesleyan University
- 2011 How Does Cognition Evolve Workshop, National Evolutionary Synthesis Center
- 2009 Department of Genetics, Max Planck Institute for Evolutionary Anthropology
- 2008 Primate Social Cognition Workshop, Yale University

Invited Talks (internal)

- 2023 Developmental Colloquium, Department of Psychology, University of Michigan

- 2021 Cognition & Cognitive Neuroscience Colloquium, Dept. of Psych., U. of Michigan
- 2021 Biopsychology Colloquium, Dept. of Psychology, University of Michigan
- 2019 Social, Behavioral and Experimental Economics Seminar, University of Michigan
- 2019 Social Colloquium, Department of Psychology, University of Michigan
- 2018 Developmental Colloquium, Department of Psychology, University of Michigan
- 2017 Economics and Psychology Working Group, Harvard University
- 2016 Systems Club, Department of Neurobiology, Harvard University
- 2016 Visual Attention Lab, Harvard Medical School
- 2016 Cognition, Brain, and Behavior Talk Series. Dept. of Psychology, Harvard University
- 2015 Laboratory for Developmental Studies, Dept. of Psychology, Harvard University
- 2015 Institute for Network Science, Yale University
- 2007 Ape Economics Workshop, Max Planck Institute for Evolutionary Anthropology

#### Organized Conference Symposia

- 2022 “Research in African sanctuaries: linking behavior, physiology, and conservation.” Co-organized with G. Tully. International Primatological Society, Quito, Ecuador (*delayed from 2020 due to covid-19*).
- 2019 “Evolutionary perspectives on the primate aging process.” Co-organized with Melissa Emery Thompson. American Association of Physical Anthropologists, Cleveland, OH.
- 2018 “African sanctuaries as a nexus for primate research, welfare, and conservation.” Co-organized with G. Tully. International Primatological Society, Nairobi, Kenya.
- 2012 “Developmental comparative psychology: How is human cognitive development unique?” Co-organized with V. Wobber. International Conference on Infant Studies, Minneapolis, MN.

#### Conference Presentations

##### *\*Student/postdoctoral trainee*

- 2022 Bryer, M.A.H.\*, Barnes, P. \*, Sabbi, K., Rukundo, J., Machanda, Z.P., & Rosati, A.G. “Sex differences in semi-free ranging chimpanzees: insights into evolution of chimpanzee social behavior.” Midwestern Primatology Interest Group (talk).
- 2022 Cantwell, A. \*, Barnes, P. \*, Sabbi, K., Machanda, Z.P., & Rosati, A.G. “Social status and cognitive control in chimpanzees.” Midwestern Primatology Interest Group (talk).
- 2022 Camargo Peña, N. \*, Brodnan, S. \*, Bryer, M.A.H. \*, Otali, E., Muller, M.N., Emery Thompson, M., Wrangham, R.W., Rosati, A.G., Machanda, Z.P. “Individual variation in patterns of tool use in wild Ugandan chimpanzees.” Midwestern Primatology Interest Group (poster).
- 2022 Huang, Y.\*, & Rosati, A.G. “The development of selective information-seeking in macaques.” Midwestern Primatology Interest Group (poster).
- 2022 Evans, P.L.\*, Diaz, A.A.\*, Arre, A.M., Platt, M.L., Rosati, A.G., & Hernández-Pacheco, R. “Preferences for social signals predicts fitness components in free-ranging rhesus macaques.” American Society of Primatologists, Denver (poster).

- 2022 Dunay, E., Owens, L.A., Dunn, C.D., Rukundo, J., Atencia, R., Cole, M.F.\*, Cantwell, A.\*, Emery Thompson, M., Rosati, A.G., Goldberg, T.L. “Viral surveillance in sanctuary chimpanzees (*Pan troglodytes*) across Africa.” Wildlife Disease Association Conference.
- 2022 De Petrillo, F.\* & Rosati, A.G. “The evolution of executive function across four lemur species” International Primatological Society, Ecuador (talk).
- 2022 De Petrillo, F.\* & Rosati, A.G. “Inferential reasoning from visual and auditory information in two species of lemurs.” International Primatological Society, Ecuador (talk).
- 2022 Cantwell, A.\* & Rosati, A.G. “The origins of cognitive flexibility in chimpanzees.” International Primatological Society, Ecuador (talk).
- 2022 Emery Thompson, M., Cole, M.F.\*, & Rosati, A.G. “The ecological context of chimpanzee (*Pan troglodytes*) health.” International Primatological Society, Ecuador (talk).
- 2022 Rosati, A.G. “African sanctuaries as a new context for ecologically-valid primatology.” International Primatological Society, Ecuador (talk).
- 2021 Dunay, E., Owens, L.A., Dunn, C.D., Rukundo, J., Cole, M.F.\*, Emery Thompson, M., Rosati, A.G., Goldberg, T.L. “Viral surveillance in sanctuary chimpanzees (*Pan troglodytes*) in Africa.” Midwest Primatology Interest Group Conference (talk).
- 2020 Cole, M.F.\*, Emery Thompson, M., Rukundo, J., Ajarova, L. Atencia, R., Fernandez-Navarro, S., Goldberg, T.L., & Rosati, A.G. “Healthy blood lipid profiles in wild-born chimpanzees (*Pan troglodytes*) are associated with low adiposity and inflammation.” American Association of Physical Anthropologists, Los Angeles (published abstract; *talk canceled due to covid-19*).
- 2019 Cole, M.F.\*, Emery Thompson, M., Rukundo, J., Ajarova, L. Atencia, R., Fernandez-Navarro, S., Goldberg, T.L., & Rosati, A.G. “Healthy blood lipid profiles in wild-born chimpanzees (*Pan troglodytes*) are associated with low adiposity and inflammation.” Southwestern Association of Biological Anthropologists, Tempe, AZ (poster).
- 2019 Bettel, R.\* & Rosati, A.G. “The evolutionary origins of natural pedagogy: rhesus monkeys preferentially use non-social cues versus communicative signals.” Cognitive Development Society Conference, Louisville, KY (poster).
- 2019 Arre, A.M.\*, Rosati, A.G., Hengartner, A.C., & Santos, L.R. “Environmental instability promotes social cognitive development in infant rhesus monkeys (*Macaca mulatta*).” Cognitive Development Society Conference, Louisville, KY (poster).
- 2019 De Petrillo, F.\* & Rosati, A.G. “Rhesus monkeys use probabilities to predict future events.” European Human Behaviour and Evolution Association, Toulouse (talk).
- 2019 Rosati, A.G. “Lifespan changes in macaque social and economic decision making.” American Association of Physical Anthropologists, Cleveland, OH (symposium talk; published abstract).
- 2019 Machanda, Z., Rosati, A.G., Hagberg, L., Oтали, E., Emery Thompson, M., Muller, M., Wrangham, R. “Changing social relationships in aging male chimpanzees.” American Association of Physical Anthropologists, Cleveland, OH (symposium talk; published abstract).
- 2019 Cole, M.F.\* & Rosati, A.G. “Biomarkers of cardiac health across the lifespan in wild-born chimpanzees (*Pan troglodytes*).” American Association of Physical Anthropologists, Cleveland, OH (talk; published abstract).
- 2019 Warneken, F. & Rosati, A.G. “The development of economic trust in young children” International Convention on Psychological Science, Paris (poster).
- 2018 Cole, M.F.\* & Rosati, A.G. “Biomarkers of cardiac health in sanctuary versus laboratory living chimpanzees (*Pan troglodytes*).” Southwestern Association of Biological Anthropologists, Las Vegas (poster). *Award: Best student poster.*

- 2018 Bettle, R.\* & Rosati, A.G. “Flexible gaze following in rhesus monkeys.” International Primatological Society, Nairobi, Kenya (talk).
- 2018 De Petrillo, F.\* & Rosati, A.G. “Rhesus monkeys use probabilities to predict future events.” International Primatological Society, Nairobi, Kenya (talk).
- 2018 Rosati, A.G. “Comparative cognitive development as a window on human cognitive evolution.” International Primatological Society, Nairobi, Kenya (talk).
- 2018 Rosati, A.G. “Integrating research on ape behavior and health into conservation and welfare strategies.” International Primatological Society, Nairobi, Kenya (talk for organized symposium).
- 2018 Rosati, A.G. “Developmental shifts in monkey social attention.” Budapest CEU Conference on Cognitive Development. Budapest (symposium talk).
- 2017 Arre, A.M.\*, Rosati, A.G. & Santos, L.R. “Developmental changes in selective attention to socioemotional stimuli in rhesus monkeys (*Macaca mulatta*).” Northeastern Evolutionary Primatologists Meeting, New Haven, CT (poster).
- 2017 Bettle, R.\* & Rosati, A.G. “Gaze following around barriers in rhesus monkeys.” Society for Research in Child Development Meeting, Austin (poster).
- 2016 Rosati, A.G. & Santos, L.R. “Changes in social cognition and decision-making across the lifespan in semi-free-ranging rhesus monkeys.” Joint Meeting of the International Primatological Society and American Primatological Society, Chicago (talk).
- 2016 Warneken, F. & Rosati, A.G. “Comparative studies with chimpanzees provide insight into the evolution of cooking.” Joint Meeting of the International Primatological Society and American Primatological Society, Chicago (talk).
- 2016 Rosati, A.G. “Chimpanzees show human-like shifts in cognition during adolescence.” American Association of Physical Anthropologists, Atlanta (poster; published abstract).
- 2015 Rosati, A.G. & Santos, L.R. “Developmental shifts in rhesus macaque gaze following.” American Association of Physical Anthropologists, St Louis, MO (talk; published abstract).
- 2015 Rosati, A.G. & Santos, L.R. “Developmental changes in rhesus macaque gaze following.” Society for Research in Child Development Meeting, Philadelphia (poster).
- 2015 Leimgruber, K., Rosati, A.G. & Santos, L.R. “The origins of spite? Capuchins (*Cebus apella*) punish conspecifics who have more.” Society for Research in Child Development Meeting, Philadelphia (poster).
- 2013 Rosati, A.G. Ruiz, A.M., Brent, L.J.N, Platt, M.L., & Santos, L.R. “The role of age in looking-time performance: Younger monkeys look longer in expectancy violation and preferential looking tasks.” Cognitive Development Society, Memphis, TN (poster).
- 2013 Rosati, A.G. & Hare, B. “Different developmental trajectories for components of spatial memory in chimpanzees and bonobos.” Society for Research in Child Development Meeting, Seattle, WA (poster).
- 2012 Rosati, A.G. & Hare, B. “Evolutionary economics: Mapping decision-making traits in chimpanzees and bonobos.” International Primatological Society Congress XXIV, Cancun, Mexico (talk).
- 2012 Rosati, A.G. & Hare, B. “Divergent spatial memory development in chimpanzees and bonobos.” International Primatological Society Congress XXIV, Cancun, Mexico (talk).
- 2012 Warneken, F. & Rosati, A.G. “Cognitive capacities for cooking in chimpanzees.” International Primatological Society Congress XXIV, Cancun, Mexico (talk).

- 2012 Rosati, A.G. & Hare, B. “The origins of spatial skills: memory development in chimpanzees (*Pan troglodytes*) and bonobos (*Pan paniscus*).” International Conference on Infant Studies, Minneapolis, MN (talk).
- 2012 Rosati, A.G. & Hare, B. “Risk preferences across social contexts in chimpanzees (*Pan troglodytes*) and bonobos (*Pan paniscus*).” International Conference on Infant Studies, Minneapolis, MN (poster).
- 2012 Rosati, A.G. & Hare, B. “Chimpanzees (*Pan troglodytes*) and bonobos (*Pan paniscus*) exhibit divergent spatial memory development.” International Conference on Infant Studies, Minneapolis, MN (poster).
- 2011 Rosati, A.G. & Hare, B. “The development of spatial memory skills in chimpanzees and bonobos.” Society for Research in Child Development Meeting, Montreal, Canada (poster).
- 2005 Rosati, A.G., Stevens, J.R., & Hauser, M.D. “The influence of handling time on temporal discounting in two New World primates.” Animal Cognition Conference, FL (poster).

### **Teaching and Mentoring**

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#### Postdoctoral mentoring

- 2022 – Natalie Awad Schwob, postdoctoral scholar
- 2022 – Margaret Bryer, postdoctoral scholar
- 2020 – 2021 Elisa Felsche, postdoctoral scholar
- 2016 – 2018 Francesca De Petrillo, postdoctoral scholar

#### Graduate mentoring (primary advisor)

- 2022 – Rosa Munoz (UM Psychology)
- 2020 – Yiyun Huang, PhD candidate (UM Psychology)
- 2018 – Averill Cantwell, PhD candidate (UM Psychology)  
*Funding received:* Leakey Foundation Research Grant; NICHD T32 Development Training Grant Fellowship; University of Michigan African Studies Center Research Grant
- 2015 – 2021 Rosemary Bettle, PhD (UM Psychology; masters: Harvard HEB)  
*Funding received:* Leakey Foundation Research Grant  
Thesis: The evolution of social intelligence in macaques

#### Graduate dissertation committees

- 2022 – Juanita Pardo Sanchez, University of Michigan (Ecology and Evol. Biology)
- 2022 – Ben Finkel, University of Michigan (Anthropology)
- 2020 – Megan Cole, University of New Mexico (Anthropology)
- 2020 – 2021 Melissa Painter, University of Michigan (Psychology, MA 2021)
- 2020 – 2021 Alyssa Arre, Yale University (Psychology, PhD 2021)

Graduate master's committees

2020 – Alexis Diaz, California State University – Long Beach (Biological Sciences)

Graduate mentoring and preliminary exam committees

2021 John Paul Soriano, University of Michigan (mentoring committee)  
2021 Ivette Gonzalez, University of Michigan (preliminary exams)  
2020 Nicki Guisneuf, University of Michigan (mentoring committee)  
2018 – 2020 Melissa Painter, University of Michigan (mentoring committee and prelim exams)  
2019 – 2020 Su Wang, University of Michigan (mentoring committee)  
2018 – 2019 Mena Davidson, University of Michigan (mentoring committee)  
2018 Sofia Carrera, University of Michigan (preliminary exams)

Undergraduate mentoring (Honors theses)

2022 – 2023 Skylar Brodnan (Biological Anthropology, University of Michigan)  
Thesis: Individual variation in tool use in wild chimpanzees

2021 – 2022 Julia Salamango (Biopsychology, Cognition, & Neuroscience, U-Michigan)  
Thesis: Behavioral flexibility in semi-free-ranging chimpanzees (*High honors*)

2021 – 2022 Kendall Mills (Biopsychology, Cognition, & Neuroscience, U-Michigan)  
Thesis: Aggression across tolerant and despotic macaques (*Highest honors*)

2019 – 2020 Parvathy Nair (Neuroscience, University of Michigan)  
Thesis: The bold and the bashful: Linking temperament and cognitive flexibility in seven lemur species (*High honors*)

2018 – 2019 Megan Mulhinch (Neuroscience, University of Michigan)  
Thesis: The cognitive basis of human cooperation: Distinguishing mechanisms for interpersonal trust and risky decision-making (*High honors*)

2017 – 2018 Hayoung Chang (Integrative Biology, Harvard University)  
Thesis: Developmental change in rhesus monkey reward sensitivity

2014 – 2015 Alyssa Arre (Ecology and Evolutionary Biology, University of Rochester)  
Undergraduate Research Exposition: Developmental changes in primate gaze-following (*President's Choice Award for thesis talk*)

2014 – 2015 Lindsey Jones (Cognitive Science, Yale University)  
Thesis: A looking time model of reward prediction error in monkeys

2010 – 2011 Sandeep Prasanna (Trinity College Program, Duke University)  
Thesis: The role of communication and punishment in cooperation

2010 – 2011 Kerri Rodriguez (Evolutionary Anthropology, Duke University)  
Thesis: The evolution of memory skills in lemurs

2008 – 2009 Peggy Tseng (Evolutionary Anthropology, Duke University)  
Thesis: The psychology and phylogeny of human risk preferences

Undergraduate Teaching (University of Michigan)

2022 – Psychology 235: Introduction to Evolution and Behavior  
2021 Psychology 330-001: Evolution and Behavior  
2020 Psychology 335: Evolution and Animal Behavior  
2018 – Psychology 330-002: Human Cognitive Evolution  
2018 – Psychology 432-001: Evolution and Human Nature

Graduate Teaching (University of Michigan)

2021 Psychology 808-013: Evolution and Behavior  
2020 Psychology 808-007: The Science of Self Control  
2019 Psychology 808-007: Human Cognitive Evolution  
2018 Psychology 808-016: Evolution and Human Nature

Teaching (Harvard)

2016 – 2017 HEB 1330: The Evolutionary Origins of the Human Mind  
2016 HEB 1280: Human Nature (with R. Wrangham and J. Henrich)  
2016 HEB 2480: Human Nature – Graduate Seminar

Outreach

2021 – Codirector, ‘Primate Learning in Action’ educational outreach website  
2020 – ‘Jane Goodall’s Rescued Chimpanzees of the Congo’ documentary series (scientific consultant)  
2018 National Geographic Kids Books (scientific consultant)  
2018 Natural History Magazine (essayist)  
2018 Scientific American (essayist)

Outreach talks and panels

2022 Leakey Foundation Children’s Event (streaming talk, with Z. Machanda)  
2022 Comparative Medicine course guest lecture (UM Medicine)  
2021 UM Anthropology Academic Job Search Workshop  
2021 American Museum of Natural History & Leakey Foundation (streaming talk, with Z. Machanda)  
2020 University of Michigan Psychology STAR Scholars Program (talk)  
2020 University of Michigan Cognitive Science Community (talk)  
2019 Ann Arbor City Club (talk)  
2018 UM STEM Success Communities Faculty Panel  
2018 UM Psychology Diversity Recruiting Weekend Faculty Panel  
2018 University of Michigan Psychology STAR Scholars Program (talk)  
2017 UM Psychology Diversity Recruiting Weekend Faculty Panel  
2017 The Conversation (essayist)  
2016 You’re the Expert Show, Cambridge, MA  
2016 UC Berkeley Cognitive Science Student Association’s Conference (talk)  
2016 Harvard Society for Mind, Brain, and Behavior, Cambridge, MA (talk)  
2015 CafeSci Boston, Le Laboratoire Cambridge, MA (talk with F. Warneken)

## **Professional Experience**

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### Editorial Boards

- 2019 – Proceedings of the Royal Society B (Associate Editor)  
2017 – Journal of Comparative Psychology (Consulting Editor)

### Edited Special Issues

- 2021– 2022 Current Opinion in Behavioral Sciences issue on ‘*Cognition in the wild*’ (with Zarin Machanda and Katie Slocombe)  
2019 – 2020 Philosophical Transactions of the Royal Society B issue on ‘*Evolution of the primate ageing process*’ (with Melissa Emery Thompson and Noah Snyder-Mackler)

### Grant Panelist

National Science Foundation (Social, Behavioral, and Economic Sciences); NIH (National Institute of Child Health and Human Development; Special Emphasis Panel on Aging)

### Ad-hoc Grant Reviewer

Branco Weiss Fellowship; French National Research Agency; German Research Foundation; Leakey Foundation; Leibniz Association; Marden Fund; National Geographic Society; National Institutes of Health; National Science Foundation; University of Strasbourg Institute for Advanced Study

### Ad-hoc Journal Reviewer

Animal Behaviour; Animal Cognition; American Journal of Physical Anthropology; American Journal of Primatology; Behavioral and Brain Sciences; Behavioral Ecology and Sociobiology; Behavioral Neuroscience; Behaviour; Biology Letters; Child Development; Cognition; Cognitive, Affective, and Behavioral Neuroscience; Current Biology; Developmental Science; Evolution and Human Behavior; Evolutionary Anthropology; Experimental Brain Research; Journal of Behavioral Decision Making; Journal of Comparative Psychology; Journal of Economic Behavior & Organization; Journal of the Experimental Analysis of Behavior; Journal of Experimental Psychology: General; Journal of Human Evolution; Journal of Neuroscience; Journal of Political Economy; Human Nature; Nature Ecology and Evolution; Nature Human Behaviour; Neuroscience and Biobehavioral Reviews; Philosophical Transactions of the Royal Society B; PLoS One; Proceedings of the National Academy of Sciences; Proceedings of the Royal Society B; Psychological Science; Psychonomic Bulletin & Reviews; Royal Society Open Science; Science; Science Advances; Scientific Reports; Trends in Cognitive Sciences

### Conference Reviewer

Cognitive Science Society; Society for Philosophy and Psychology; Society for Research in Child Development

### External service

- 2019 – 2021 Duke Lemur Center, Research Advisory Committee  
2017 – 2018 Duke Lemur Center, External Scientific Advisory Committee  
2016 – Pan African Sanctuary Alliance, Scientific Advisory Network

University Service (University of Michigan)

2022 Biopsychology Space Committee, Psychology Department  
2022 Student Academic Affairs Committee, Psychology Department  
2021 Biopsychology LSA Collegiate Fellow Search Committee  
2020 – 2021 Biopsychology Diversity Task Force member  
2020, 2021 UM College of Literature, Science, and the Arts NSF CAREER panelist  
2020 Psychology Department Graduate Orientation panelist  
2019 – 2020 Biopsychology Colloquium organizer  
2019 Strategies to Support Inclusive Climates Workshop (Psychology representative)  
2018 – Evolution and Human Adaptation Steering Committee  
2017 – 2019 Psychology Department Diversity Committee  
2018 Biopsychology Self-Study Committee  
2017 – 2018 Biopsychology Graduate Admissions Committee

University Service (Harvard)

2015 – 2017 FAS Standing Committee on Mind, Brain, and Behavior  
2016 FAS Hoopes Undergraduate Thesis Prize Committee  
2016 Mind, Brain, and Behavior Faculty Award Committee  
2015 – 2016 Human Evolutionary Biology colloquium organizer  
2015 – 2016 HEB Graduate Curriculum Review Committee  
2015 – 2016 HEB Senior Search Committee  
2015 – 2016 Mind, Brain, and Behavior Junior Symposium Planning Committee

Professional Membership

2018 Association for Psychological Science  
2017 Society for Affective Science  
2015 – American Association of Physical Anthropologists  
2013 – Cognitive Development Society  
2012 – International Primatological Society