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Megan F. Cole
University of New Mexico
Department of Anthropology
MSC 01 1040
500 University Blvd NE
Albuquerque, NM 87106

Email: megancole@unm.edu
Website:
https://anthropology.unm.edu/people/grad-students/profile/megan-cole.html
Twitter: https://twitter.com/megan_f_cole

Education

2018-present	PhD Student, University of New Mexico Department of Anthropology Graduate Student Researcher, Kibale Chimpanzee Project Advisor: Melissa Emery Thompson
2013	BS, University of Michigan, Ann Arbor Double major in Evolutionary Anthropology and Environmental Studies Minor in Ecology and Evolutionary Biology Honors Thesis: "Intergroup encounters in Honduran mantled howler monkeys (*Alouatta palliata*)". ***Awarded High Honors.*** Advisor: Jacinta Beehner

Employment

2018-present	Graduate Assistant, University of New Mexico Department of Anthropology
2016-2018	Lab Manager, Cognitive Evolution Group (PI: Alexandra Rosati) University of Michigan Department of Psychology (from Sept. 2017) Harvard University Department of Human Evolutionary Biology (2016-2017)
2015	Research Associate, Center for Zoo Animal Welfare (Supervisor: Stephanie Allard) Detroit Zoological Society
2013-2014	Research Assistant, Comparative Analysis of Baboon Sociality Project (Supervisor: Eila Roberts) Uaso Ngiro Baboon Project (2014) Filoha Hamadryas Project (2013)

Research Interests
Primate social behavior, endocrinology, life history, cooperation, social cognition, health & energetics

Grants and Awards

External

2019	Graduate Research Fellowship, National Science Foundation ($138,000)
2018	Graduate Research Fellowship Honorable Mention, National Science Foundation

Internal

2019	Student Research Grant, UNM Graduate and Professional Student Association ($500 for dissertation pilot research)
2019	Rogers Research Award, UNM Office of Graduate Studies ($1200 for dissertation pilot)
2019	Student Conference Award, UNM Career Services ($600 for conference travel)
2018	Student Research Grant, UNM Graduate and Professional Student Association ($500 for conference travel)
2012	Individual Academic Enrichment Fund, UM School of Natural Resources and Environment ($500 for honors thesis)

2012	Undergraduate Fellowship Award, UM Department of Anthropology ($1000 for honors thesis)
2010-2012	Nondegree Honors Award, UM Honors College (equivalent to Dean's list)

Publications

Peer-Reviewed Journal Articles

Cole, M.F., Cantwell, A., Rukundo, J., Ajarova, L., Fernandez-Navarro, S., Atencia, R., & 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. https://royalsocietypublishing.org/doi/abs/10.1098/rstb.2019.0609

Conference Presentations

Cole, M.F., Fox, S.A., Machanda, Z., Otali, E., Muller, M.N., Wrangham, R.W., & Emery Thompson, M. 2020. Urinary T3 levels in wild chimpanzees (*Pan troglodytes*) at Kibale National Park, Uganda. 28th Congress of the International Primatological Society. Quito, Ecuador (podium). *Conference postponed due to COVID-19.*

Emery Thompson, M., **Cole, M.F.,** & Rosati, A.G. The ecological context of chimpanzee (*Pan troglodytes*) health. 28th Congress of the International Primatological Society. Quito, Ecuador (podium). *Conference postponed due to COVID-19.*

Cole, M.F., Emery Thompson, M., Rukundo, J., Fernandez-Navarro, S., Atencia, R., Goldberg, T. L., & Rosati, A.G. 2020. Healthy blood lipid profiles in wild-born chimpanzees (*Pan troglodytes*) are associated with low adiposity and inflammation. 89th Annual Meeting of the American Association of Physical Anthropologists. Los Angeles, California (podium). *Conference cancelled due to COVID-19.*

Cole, M.F., Emery Thompson, M., Rukundo, J., Fernandez-Navarro, S., Atencia, R., Goldberg, T. L., & Rosati, A.G. 2019. Healthy blood lipid profiles in wild-born chimpanzees (*Pan troglodytes*) are associated with low adiposity and inflammation. 7th Annual Meeting of the Southwestern Association of Biological Anthropologists. Tempe, Arizona (podium).

Cole, M.F. & Rosati, A.G. 2019. Biomarkers of cardiac health across the lifespan in wild-born chimpanzees. 88th Annual Meeting of the American Association of Physical Anthropologists. Cleveland, Ohio (podium).

Cole, M.F. & Rosati, A.G. 2018. Biomarkers of cardiac health in sanctuary versus laboratory-living chimpanzees. 6th Annual Meeting of the Southwestern Association of Biological Anthropologists. Las Vegas, Nevada (poster). ***Awarded best student poster prize.***

Cole, M.F. 2015. The effects of temperature and dominance on behavior and use of space in Japanese macaques (*Macaca fuscata*). Detroit Zoological Society. Royal Oak, Michigan (podium).

Cole, M.F. 2013. Intergroup encounters in Honduran mantled howler monkeys (*Alouatta palliata*). University of Michigan Department of Anthropology Honors Symposium. Ann Arbor, Michigan (poster).

Research Experience

2019-present	Kibale National Park, Uganda 2 months of pilot dissertation data collection with wild chimpanzees. Conduct focal follows and collect urine samples for endocrine analysis. Role: Graduate student researcher
2018-present	Comparative Human and Primate Physiology Laboratory, UNM Analyze urinary biomarkers of stress and energetics using enzyme-linked immune assay (ELISA) and radioimmunoassay (RIA) methods. Role: Graduate student researcher

2017-2018 Duke Lemur Center, Durham, North Carolina
2 months of field research with multiple lemur species. Assisted in research examining cognition and behavior, including studies on social cognition and decision-making.
Role: Cognitive Evolution Group Lab manager

2016-2018 Ngamba Island Chimpanzee Sanctuary, Uganda
3 months of field research with semi-free-ranging chimpanzees. Conducted research on health, cognition, and behavior; assisted in veterinary health checks and collected and processed a variety of biological samples.
Role: Cognitive Evolution Group Lab manager

2016-2018 Cayo Santiago Field Station, Puerto Rico
2 months of field research with semi-free-ranging rhesus macaques. Assisted in research examining cognition and behavior, including studies on social cognition and decision-making.
Role: Cognitive Evolution Group Lab manager

2015 Detroit Zoological Society
7 months of research with a variety of species. Assisted in research examining captive animal welfare; conducted independent project with Japanese macaques.
Role: Research associate

2014 Uaso Ngiro Baboon Project, Laikipia, Kenya (Director: Shirley Strum)
6 months of field research with Anubis baboons examining social behavior. Conducted focal follows, collected fecal samples, and maintained life history database.
Role: Research assistant

2013 Filoha Hamadryas Project, Awash NP, Ethiopia (Director: Larissa Swedell)
9 months of field research with Hamadryas baboons examining social behavior. Conducted focal follows, collected and processed fecal samples for hormone analysis, and maintained life history database.
Role: Research assistant

2012-2013 Core Assay Facility, U. of Michigan Psychology (Director: Jacinta Beehner)
Analyzed salivary and fecal hormones using radioimmunoassay (RIA) methods; processed samples and performed fecal extractions.
Role: Laboratory assistant

2012 Operation Wallacea, Rancho Manacal, Honduras
Collected demographic, behavioral, vocal, and geospatial data on howler monkeys for honors thesis project.
Role: Student researcher

2011-2012 African Drylands Research Group, U. of Michigan SNRE (PI: Bilal Butt)
Conducted spatial and statistical analyses of wildlife-livestock interactions, performed literature reviews and created Access database.
Role: Research assistant

Teaching

Graduate Assistantship (UNM)

Spring 2020 ANTH 150: Evolution and Human Emergence. Instructor: Sherry Nelson
Fall 2019 ANTH 360: Human Behavioral Ecology. Instructor: Martin Muller

Spring 2019	ANTH 360: Human Behavioral Ecology (online). Instructor: Martin Muller
Fall 2018	ANTH 150: Evolution and Human Emergence (online). Instructor: Martin Muller

Guest Lectures

2019	"Cooperation." Human Behavioral Ecology. Instructor: Martin Muller (UNM)
2018	"Conducting Research on non-human animals." Advanced Laboratory in Developmental Psychology. Instructor: Margaret Echelbarger (UM)

Service and Outreach

2019	Panelist, UNM Undergraduate Anthropology Society "Speed Mentoring". Albuquerque, New Mexico.
2019	Panelist, UNM Anthropology Graduate Student Union Conference "Undergrad Research in Anthro: A How-To Guide". Albuquerque, New Mexico.
2018-present	Events coordinator, UNM Advancing Women in Science
2018-2019	Volunteer, Albuquerque BioPark Enrichment Center
2017	Workshop leader, Females Excelling More in Math, Engineering and Science (FEMMES). Ann Arbor, Michigan.
2016	"Chimpanzee conservation and welfare." Beaumont Elementary School. Waterford, Michigan (talk).
2015	"Chimpanzee conservation and welfare." Stone Lodge Retirement Home. Sisters, Oregon (talk).
2012	Fundraising for mobile health clinic in Laikipia, Kenya. Derby Middle School. Birmingham, Michigan (talk).

Media Coverage

UMich News: Researchers find cardiovascular health similarities between chimpanzees, humans. https://news.umich.edu/researchers-find-cardiovascular-health-similarities-between-chimpanzees-humans/?fbclid=IwAR2MQJwo-Dk3GoIkkLfZIipjk8moEwmWkSctImBXdExfPaPNai_Tj2Bfr2I

Professional Membership

2020-present	International Primatological Society
2019-present	Sigma Xi Research Society
2018-present	American Association of Physical Anthropology

Skills

Statistical analysis: R, SPSS.
Endocrine analysis: hormone extraction, ELISA (cortisol, creatinine, thyroid) and RIA (C-peptide, cortisol, testosterone) techniques.
Language: Spanish (proficient), Amharic (conversational).