

# KYLE C. M. SMITH

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## EDUCATION

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- 2019-pr. **Ph.D. (in progress), Pennsylvania State University**  
Department of Anthropology  
Ph.D. advisors: Dr. Rebecca Bliege Bird and Dr. Douglas Bird  
Other committee members: Dr. Brian Hare, Dr. Nancy Dreschel, Dr. Laura Weyrich
- 2012-16 **B.S. with Distinction, Duke University**  
Majors: Evolutionary Anthropology, Biology  
Honors thesis: "Water choices and disease: how lemurs avoid exposure to parasites"

## EMPLOYMENT

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- 2017-19 **Lab Manager / Associate in Research – P.I. Dr. Brian Hare**  
Department of Evolutionary Anthropology, Duke University
- 2012-16 **Tour Guide**  
Duke Lemur Center, Duke University
- 2013-14 **Research Assistant – P.I. Dr. Anne Pusey**  
Department of Evolutionary Anthropology, Duke University

## PUBLICATIONS

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- 2021 Salomons, H., **Smith, K.C.M.**, Callahan-Beckel, M., Callahan, M., Levy, K., Kennedy, B.S., Bray, E., Gnanadesikan, G.E., Horschler, D.J., Gruen, M., Tan, J., White, P., vonHoldt, B.M., MacLean, E., and B. Hare. Cooperative communication with humans evolved to emerge early in domestic dogs. *Current Biology*.

## CONFERENCE PRESENTATIONS AND POSTERS

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- 2021 **Smith, K.C.M.** Using camera traps to study canid behavior in Australia. East Coast Workshop on Canine Cognition, New Haven, CT.

- 2020 **Smith, K.C.M.** Dog-human social relationships in Aboriginal Australia. East Coast Workshop on Canine Cognition, New Haven, CT.
- 2018 **Smith, K.C.M.** A comparison of wolf and dog social cognition. East Coast Workshop on Canine Cognition, New Haven, CT.
- 2016 **Smith, K.C.M.**, Amoroso, C., and C.L. Nunn. Water choices and disease: how do lemurs avoid exposure to parasites? Duke University Lemur Center 50<sup>th</sup> Anniversary Scientific Symposium & Gala, Durham, NC.
- 2016 Amoroso, C.R., **Smith, K.C.M.**, Frink, A.G., and C.L. Nunn. Parasite risk influences the water preferences of lemurs. 85<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists (AAPA), Atlanta, GA.

## RESEARCH EXPERIENCE

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- 2021-pr. **Centre County Canine Cognition Project**, Penn State University, State College, PA  
Developed dog behavior project involving behavioral observations of dog behavior at a dog park, cognitive experiments, owner surveys, and biological sampling.
- 2017-19 **Duke Canine Cognition Center**, Duke University, Durham, NC  
Conducted cognitive experiments with pet dogs (*Canis familiaris*). Trained and supervised team of undergraduate research assistants. Coded research videos.  
P.I. Dr. Brian Hare
- 2017-19 **Duke Puppy Kindergarten**, Duke University, Durham, NC  
Oversaw the creation, development, and management of the Duke Puppy Kindergarten program. Designed system for selecting, scheduling, and managing personnel. Trained, supervised, and managed over 120 volunteers. Oversaw research with the program's five puppies.  
P.I. Dr. Brian Hare
- 2017-18 **Wildlife Science Center**, Stacy, MN  
Designed and conducted cognitive experiments with captive wolves (*Canis lupus*). Prepared blood samples for hormone and DNA analysis.  
P.I. Dr. Brian Hare
- 2017 **Borneo Orangutan Survival Foundation**, Bukit Batikap, Indonesia  
Tracked and collected data on reintroduced orangutans (*Pongo pymaeus*) using focal sampling.  
P.I. Dr. Simon Husson

- 2016 **Project Howler Monkey Palenque**, Palenque, Mexico  
Worked with multinational team to track and study spatial navigation of wild black howler monkeys (*Alouatta pigra*) using scan sampling. Marked feeding trees.  
P.I. Dr. Sarie Van Belle and Dr. Alejandro Estrada
- 2014-16 **Duke Lemur Center**, Duke University, Durham, NC  
Conducted independent research on lemurs' behavioral mechanisms to avoid disease. Designed study, collected and analyzed data, and wrote and defended honors thesis.  
P.I. Dr. Charles Nunn. Also mentored by Ph.D. student Caroline Rusk Amoroso
- 2014 **Organization for Tropical Studies**, Kruger National Park, South Africa  
Conducted field research and wrote papers on various topics, including invasive mollusks, and human-wildlife conflict, as part of semester courses on savanna ecology and conservation. Learned field research methods, including mist netting, vegetation transects, camera trapping, biodiversity surveys.
- 2014 **Duke Lemur Center SAVA Conservation Initiative**, Sava Region, Madagascar  
Tracked and studied bamboo lemurs (*Hapalemur occidentalis*) using group scan sampling. Flagged and GPS mapped trails. Radio-tracked dwarf lemurs (*Cheirogaleus*).  
P.I. Dr. Erik Patel
- 2013-14 **Jane Goodall Institute Research Center**, Duke University, Durham, NC  
Extracted and digitized data from chimpanzee (*Pan troglodytes*) focal follow sheets that were collected in Gombe National Park, Tanzania.  
P.I. Dr. Anne Pusey

## GRANTS AND FELLOWSHIPS

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2021	Tygel Endowment for Educational Programs, Penn State University	\$516
2021	Honorable Mention for NSF Graduate Research Fellowship Program	N/A
2021	Flower Grant for Ecological Research, Penn State University	\$4000
2020	Hill Fellowship Training Award, Penn State University	\$1220
2019-20	University Graduate Fellowship, Penn State University	\$30000
2015	Deans' Summer Research Fellowship, Duke University	\$3000
2015	Undergraduate Research Support Independent Study, Duke University	\$400
2015	Molly Glander Research Award, Duke Lemur Center	\$300

## TEACHING AND MENTORING EXPERIENCE

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- 2020-21 Teaching Assistant, Penn State University, State College, PA  
ANTH 21: Introduction to Biological Anthropology (two semesters)

- 2021 Teaching Assistant, Penn State University, State College, PA  
ANTH 140: Anthropology of Alcohol (one semester)
- 2019 Mentored undergraduate independent study students (Sam Lee, Laura Navarrete, Anya Parks), Duke Canine Cognition Center, Durham, NC
- 2013 Student Instructor, Duke University  
HOUSECS 59: Created Worlds, an undergraduate-taught course
- 2013 ESL Tutor, George Watts Montessori Magnet School, Durham, NC
- 2013 ESL Tutor, Durham School of the Arts, Durham, NC

## **OUTREACH**

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- 2021 Stories Under the Sky, Arboretum at Penn State, State College, PA  
Co-developed and presented at recurring public talk series on the anthropology of stargazing, giving lectures on various topics and arranging guest storytellers
- 2020-pr. Skype a Scientist  
Presented remotely about dog and primate behavior to elementary school students
- 2017-19 Duke Canine Cognition Center, Duke University, Durham, NC  
Presented and demonstrated canine cognition research to visitors to lab
- 2012-16 Duke Lemur Center, Duke University, Durham, NC  
Worked as tour guide to provide scientific and environmental education about lemurs to public, including children and adults

## **SKILLS**

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Languages: English (native), Spanish (intermediate), French (basic)  
R statistical software  
Microsoft Word, Excel, and PowerPoint  
Wilderness and backcountry skills and first aid  
Driving (automatic and manual transmission)