

Allyson G King

Department of Anthropology & Archaeology
University of Calgary
2500 University Drive NW
Calgary, AB T2N 1N4 Canada

Email: allyson.king@ucalgary.ca
<https://antharky.ucalgary.ca/profiles/allyson-king>

EDUCATION

Doctor of Philosophy, Anthropology	2018-
Department of Anthropology & Archaeology University of Calgary, Calgary, Alberta Supervisors: Dr. Susanne Cote, Dr. Pascale Sicotte	
Master of Arts, Anthropology	2015-2018
Department of Anthropology & Archaeology University of Calgary, Calgary, Alberta Supervisor: Dr. Pascale Sicotte Thesis: Maternal and nonmaternal infant handling in <i>Colobus vellerosus</i> .	
Bachelor of Arts, Biology	2009-2013
Department of Biology Whitman College, Walla Walla, Washington Thesis: Anti-predation behavior of white-bearded wildebeest (<i>Connochaetes taurinus albojubatus</i>) in Tarangire-Manyara Ecosystem, Tanzania.	

RESEARCH INTERESTS

Primatology, maternal investment strategies, maternal stress, infant development & socialization

SCHOLARSHIPS & AWARDS

Open Doctoral Scholarship, Faculty of Grad Studies University of Calgary	10,000 CAD	2019
Eyes High International Recruitment Scholarship University of Calgary	15,000 CAD/year	2018-2022
William S. Pollitzer Student Travel Award American Association of Biological Anthropologists	500 USD	2019
Academic Distinction Whitman College		2012-2013
Carleton & Carolyn Kelley Merit Scholarship Whitman College	2,500 USD/year	2011-2013
Stephen BL Penrose Merit Scholarship Whitman College	10,000 USD/year	2009-2013

GRANTS

Shelley R. Saunders Thesis Research Grant Canadian Association for Biological Anthropology	800 CAD	2019
Professional Development Grant Graduate Students' Association, U. of Calgary	575 CAD	2019
Student Travel Grant Canadian Association for Physical Anthropology	100 CAD	2017
Office of VP Research Thesis Research Grant University of Calgary	1000 CAD	2016

PUBLICATIONS

- King AG**, Edwards PD, Cote S, Palme R, Boonstra R, Sicotte P. Female stress responses to cues of male social instability in a wild primate. In prep
- King AG**, Rissling TC, Cote S, Sicotte P. All together now: Assessing individual variation in maternal and nonmaternal handling of wild *Colobus vellerosus* infants. *American Journal of Primatology*. Invited Special Issue. In review
- King AG**, Edwards PD, Cote S, Palme R, Boonstra R, Sicotte P. Assessing stress in wild black-and-white colobus monkeys non-invasively. *General and Comparative Endocrinology*: 114212. 2023

PRESENTATIONS

- King AG**, Boonstra R, Cote S, Edwards P, Palme R, Sicotte P. More flex, more stress: Female stress responses to male social instability in wild *Colobus vellerosus*. American Association for Biological Anthropology (AABA). Reno, NV. Podium presentation. 2023
- King AG**, Rissling TC, Cote S, Sicotte P. Sometimes, more is more: Assessing individual variation in maternal and nonmaternal handling of wild *Colobus vellerosus* infants. Department of Anthropology & Archaeology "ANARKY" Talk. Public presentation. 2022
- King AG**, Boonstra R, Cote S, Edwards P, Palme R, Sicotte P. Changes in group composition affect females' baseline fecal glucocorticoid metabolites (fGCMs) in a wild colobine, *Colobus vellerosus*. International Primatological Society (IPS). Quito, Ecuador. Podium presentation. 2022
- King AG**, Rissling TC, Sicotte P. Assessing the impact of duration versus bout frequency data in studying infant handling. American Association of Physical Anthropologists (AAPA). Cleveland, OH. Poster presentation. 2019
- King AG**. Introduction: Maternal effects on infant development. Department of Anthropology & Archaeology "ANARKY" Talk. Public presentation. 2018
- Rissling TC, Badescu I, Crotty A, Fox SA, **Gibson-King A**, MacDonald L, Vayro JV, Wikberg EC, Sicotte P. Young leaf availability partially influences weaned age in a wild colobus. American Society of Primatology (ASP). San Antonio, TX. Podium presentation. 2018

Gibson-King A, Sicotte P. Exploring infant handling variation in a wild primate population. Department of Anthropology & Archeology “ANARKY” Talk. Public presentation. 2018

Gibson-King A, Crotty A, Larter L, Sicotte P. Group-level characteristics influence infant handling in a wild primate (*Colobus vellerosus*). Canadian Association for Physical Anthropology (CAPA). Edmonton, Alberta. Podium presentation. 2017

Gibson-King A, Crotty A, Sicotte P. Variation in maternal and nonmaternal infant handling in an African colobine (*Colobus vellerosus*). American Society of Primatologists (ASP). Washington DC. Poster presentation. 2017

Gibson A. White-bearded wildebeest (*Connochaetes taurinus albojubatus*) demography and behavior in Tarangire-Manyara Ecosystem, Tanzania. Presentation to community stakeholders. Rhotia, Tanzania. Podium presentation. 2012

RESEARCH EXPERIENCE

Long-term data management 2016-2021
Lab of Dr. Pascale Sicotte, Boabeng-Fiema colobus research

- Independently responsible for monthly entry of behavioral, phenology, group membership, and nursing data
- Prepared 2017-2020 annual budgets for BFMS field site
- Communicate regularly with Ghanaian field assistants regarding data collection

PhD Research 2018, 2019
Boabeng-Fiema Monkey Sanctuary, Ghana

- Collected focal, scan, and *ad lib* data on adult females from four groups
- Collected fecal samples for DNA analysis, microbiome genetic analysis, fecal glucocorticoid hormone metabolites (fGCMs)
- Performed methanol extraction of fGCMs in field laboratory

EIA Laboratory Research 2019, 2021
Lab of Dr. Rudy Boonstra, Centre for Environmental Epigenetics and Development University of Toronto Scarborough (Jan)

- Independently performed Enzyme Immunoassay for measuring steroid hormone metabolite concentrations for more than 1000 samples.
- Gained experience preparing all solutions and buffers required for EIA

Master’s Thesis Research 2016
Boabeng-Fiema Monkey Sanctuary, Ghana (May-Nov)

- Collected focal and scan data on 16 colobus infants
- Collected fecal samples for DNA analysis
- Managed three Ghanaian and two Canadian research assistants

Volunteer Field Co-Manager	2014
<i>Kakamega Monkey Project, Kenya</i>	(Jan-June)
<ul style="list-style-type: none"> ▪ Learned to individually identify >100 individual monkeys ▪ Collected focal data and ad lib data on grooming, aggression, copulations, inter-group encounters ▪ Managed daily observation schedules of four Kenyan field assistants and six primate groups, trained incoming field manager and students 	
Volunteer Research Assistant	
<i>Bioko Biodiversity Protection Program, Equatorial Guinea</i>	2013
<ul style="list-style-type: none"> ▪ Participated in annual census of primate populations on Bioko Island ▪ Conducted daily transects in extremely rugged, remote terrain ▪ Learned to identify age & sex classes of seven monkey species 	(Jan)
Field Student & Undergraduate Thesis Research	2012
<i>Center for Wildlife Management Studies, Kenya and Tanzania</i>	(Jan-May)
<ul style="list-style-type: none"> ▪ Participated in field exercises and wildlife censusing (in reserves, community areas, four national parks, and Ngorogoro Conservation Area) once a week ▪ Collected wildebeest (<i>Connochaetes taurinus albojubatus</i>) anti-predation behavior in Tarangire-Manyara Ecosystem, Tanzania 	

TEACHING EXPERIENCE

Instructor of Record

ANTH 413: Methods in Primatology	Spring 2023
Students gained familiarity with key primatological research skills and sampling methods by collecting behavioral data on captive primates during 27-hours of guided laboratory exercises at the Calgary Zoo. Lectures exposed students to a survey of field methods and focused on the development of scientific writing, reading comprehension, and data analysis skill-building.	
ANTH 552: Field Studies in Primatology	Spring 2018
Independently taught month-long field course in rural Ghana to nine undergraduate students. Students developed research project design skills, honed behavioral and phenological sampling techniques, and participated in student-led group discussions to develop their understanding of culturally appropriate environmental conservation practices.	

Teaching Assistantships, University of Calgary

ANTH 451: Primate Ecology & Conservation	Fall 2022
Responsible for marking student essays and group presentations, small group organization, and discussing exam results with students	
ANTH 412: Primate Fossil Record	Winter 2021
Assisted in the design of student discussion sessions and group assignments	
ANTH 379: Urban Anthropology	Summer 2021
Scored all video essay assignments (worth 50% of students' final grades) and provided detailed, individualized feedback in response to video essays	

ANTH 311: Primate Behavior	2017-2022 (4 terms)
Moderated and answered questions on course online student forum; wrote exam questions; formatted, edited, and marked student exams	
ANTH 435: Evolution of Human Behavior	2016-2020 (4 terms)
Independently responsible for overseeing group essay project worth 40% of students' final grades; designed marking rubric and worksheets; taught 4 in-class workdays each semester; marked all writing assignments and essays	
ANTH 201: Introduction to Biological Anthropology	2019-2020 (2 terms)
Assisted with preparation of exam questions; responsible for marking 50% of course material; communicated regularly with students in office hours	
ANTH 309: Human Evolution	2015, 2017, 2023 (3 terms)
Responsible for teaching two paleoanthropology lab sections each week; assisted in lab assignment prep, marked and entered grades for weekly assignments	
ANTH 553: Primate Behavioral Research Design	Spring 2016
Instructed small groups in field exercises; mentored students with independent research project design.	

Guest Lectures

Anthropology Essay Writing Workshop for Undergraduates	October 2022
ANTH 451: Primate Ecology & Conservation	
Infant Development and Care in Primates	May 2019
ANTH 201: Introduction to Biological Anthropology, University of Calgary	
Primate Maternal Investment Strategies	March 2018
ANTH 435: Evolution of Human Behavior, University of Calgary	
The Primate Lifecycle	April 2017
ANTH 311: Primate Behavior, University of Calgary	

K-12 Teaching Experience

Day School Faculty	2014-2015
<i>Annie Wright Schools, Tacoma, Washington</i>	
<ul style="list-style-type: none"> ▪ Taught students in preschool, prekindergarten, and kindergarten classrooms ▪ Provided one-on-one and small group instruction of math, science, writing, and socioemotional lessons ▪ Planned behavioral modification strategies and worked with children classified as ESL and/or diagnosed special needs 	
Substitute High School Math & Sciences Teacher	2013
<i>Bellarmino Preparatory School, Tacoma, Washington</i>	
<ul style="list-style-type: none"> ▪ Substitute taught regularly in Biology, Chemistry, Physics, Algebra, and Geometry classes ▪ Gave lectures and demonstrated Biology laboratory exercises during long-term substitute assignments ▪ Prepped and led laboratory exercises in Biology and Chemistry classrooms 	

Public Programs Specialist 2011-2013

Point Defiance Zoo & Aquarium, Tacoma, Washington

- Developed and implemented lesson plans for wildlife-themed summer camps
- Gave daily wildlife conservation presentations to public and zoo guests

Teaching Credentials

Graduate Student Certificate in University Teaching & Learning 2019

Taylor Institute for Teaching and Learning, University of Calgary

- Completed 75 hours of training including workshops, lesson planning, and individual projects over two years.
- In process of completing certificate, earned the following badges:
 - Scholarship of Teaching & Learning Foundations Badge 2019
 - Emerging Teachers' Development Badge 2019
 - Learning Spaces and Digital Pedagogies Badge 2018
 - Developing Your Teaching Dossier Badge 2018
 - Theories & Issues in Postsecondary Teaching & Learning Badge 2018

Graduate Student Teaching Development Badge 2017

Taylor Institute for Teaching and Learning, University of Calgary

SERVICE

University Involvement

Mentor, Graduate-Undergraduate Mentorship Program, Department of Anthropology 2018-2021

& Archaeology, University of Calgary (3 former, 2 current)

Grant reviewing member, Graduate Students' Association Awards Committee 2018-2021

Graduate student representative, Faculty of Arts' Curriculum & Academic Review 2018-2021

Committee – Graduate

President, Graduate Anthropology & Archaeology Students' Association 2018-19

Graduate student representative, Associate Deans' Research Council 2018-19

Organizer, Departmental primatology journal club 2018

Co-facilitator, Undergraduate focus group for departmental curriculum review 2017

Invited Panels

Integrating physical and human geography practices in research activities. Invited 2021

panel discussant. 58th Annual University of Calgary Department of Geography

Conference. Virtual.

Symposia Organized and Sessions Chaired

Badescu I, **Gibson-King A.** *Biosocial Perspectives on Growth, Development and* 2017

Parental Investment. Symposium co-organized. Canadian Association for Physical

Anthropology (CAPA). Edmonton, Alberta.

Professional Memberships

Sigma Xi Honor Society	2019-
American Association of Physical Anthropologists (AAPA)	2018-
Canadian Association for Physical Anthropology (CAPA)	2017-
American Society of Primatologists (ASP)	2016-
University of Calgary Graduate Students' Association (GSA)	2015-

Community Involvement and Volunteering

Student Volunteer (Ready Room), American Association of Biological Anthropology 92 nd Annual Meeting	2023
Volunteer Session Co-Chair, American Association of Biological Anthropology 90 th Annual Meeting (2 sessions)	2021
Judge, Calgary Youth Science Fair	2019, 2021
Remote Weekly Textbank Volunteer, US Get Out the Vote campaigns	2018, 2020
Unit Leader, Girl Guides of Canada (134 th Guides Unit)	2018-2020
Public Programs Volunteer, Harbor Wildwatch (Puget Sound Conservation NPO)	2010-2012
Philanthropy & Volunteer Coordinator, Kappa Alpha Theta Delta Delta Chapter	2011
Classroom Reading Volunteer, Storytime Project	2009

LANGUAGES

English: native	R programming: proficient
French: reading	
Twi: basic	

REFERENCES

Dr. Pascale Sicotte

Dean of Arts & Sciences
Concordia University
Email: pascale.sicotte@concordia.ca

Dr. Susanne Cote

Professor, Dept of Anthropology & Archaeology
University of Calgary
Email: scote@ucalgary.ca

Dr. Mary Pavelka

Professor, Dept of Anthropology & Archaeology
University of Calgary
Email: pavelka@ucalgary.ca