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Professional Appointments and Employment

2016 - PRESENT

PROFESSOR OF PRACTICE

Department of Anthropology and Environmental Studies Program
Tulane University, New Orleans, LA, USA

2015

RESEARCH ASSOCIATE AND CANADA RESEARCH CHAIR TECHNICIAN

Department of Anthropology and Archaeology
University of Calgary, Calgary, AB, Canada

2014

SESSIONAL INSTRUCTOR (EQUIVALENT TO ADJUNCT PROFESSOR)

Department of Anthropology and Archaeology
University of Calgary, Calgary, AB, Canada

2012-2013

VISITING RESEARCH SCIENTIST

Department of Integrated Biosciences
University of Tokyo, Kashiwa, Chiba, Japan

Education

2014 - DOCTOR OF PHILOSOPHY, BIOLOGICAL ANTHROPOLOGY

University of Calgary, Calgary, AB, Canada
Thesis: Landscapes of change: the ecology of white-faced capuchins over space and time

2008 - MASTER OF ARTS, BIOLOGICAL ANTHROPOLOGY

University of Calgary, Calgary, AB, Canada
Thesis: Behavioural thermoregulation and urine-washing in white-faced capuchins at Santa Rosa National Park, Costa Rica.

2002 - BACHELOR OF SCIENCE, BIOLOGY

California Institute of Technology (Caltech), Pasadena, CA, USA

Publications

MANUSCRIPTS CURRENTLY IN REVIEW

Campos FA, Alberts SC, Altmann J, Brockman DK, Cords M, Morris WF, Pusey A, Stoinski T, Strier KB, Fedigan LM (Submitted to *Global Change Biology*). Does climate influence the demography of wild primates? Evidence from long-term life-history data in seven species .

Kalbitzer U, Bergstrom ML, Carnegie SD, Wikberg EC, Kawamura S, **Campos FA**, Jack KM, and Fedigan LM (Submitted to *Proceedings of the National Academy of Sciences USA*; now in second round of review). Female sociality and sexual conflict shape offspring survival in a Neotropical primate.

Melin AD, Khetpal V, Matsushita Y, Zhou K, **Campos FA**, Welker B, and Kawamura S (Submitted to *Ecology and Evolution*). Howler monkey foraging ecology suggests convergent evolution of routine trichromacy as an adaptation for folivory.

PUBLISHED/ACCEPTED PEER-REVIEWED ARTICLES

Wikberg EC, Jack KM, Fedigan LM, **Campos FA**, Sato A, Bergstrom ML, Hiwatashi T, and Kawamura S. (In Press). Inbreeding avoidance and female mate choice shape paternity patterns in a primate species with exceptionally long male tenures (*Cebus capucinus*). *Molecular Ecology*.

Campos FA. (In Press). Habitat Restoration. *International Encyclopedia of Primatology*.

Campos FA, Jack KM, and Fedigan LM. (2015). Climate oscillations and conservation measures regulate white-faced population growth and demography in a regenerating tropical dry forest in Costa Rica. *Biological Conservation*.

Wikberg EC, Jack KM, **Campos FA**, Fedigan LM, Sato A, Bergstrom ML, Hiwatashi T, and Kawamura S. (2014). The effect of male parallel dispersal on group composition in white-faced capuchins (*Cebus capucinus*). *Animal Behaviour*.

Campos FA, Bergstrom ML, Childers A, Hogan JD, Jack KM, Melin AD, et. al. (2014). Drivers of home range characteristics across spatiotemporal scales in a neotropical primate, *Cebus capucinus*. *Animal Behaviour* 91: 93-109.

Campos FA and Fedigan LM. (2014). Spatial ecology of perceived predation risk and vigilance behavior in white-faced capuchins. *Behavioral Ecology* 25(3): 477- 486.

Campos FA and Jack KM. (2013). A potential distribution model and conservation plan for the critically endangered Ecuadorian capuchin, *Cebus albifrons aequatorialis*. *International Journal of Primatology* 34(5): 899-916.

Campos FA and Fedigan LM. (2013). Urine-washing in white-faced capuchins: a new look at an old puzzle. *Behaviour* 150(7): 763-798.

Wikberg EC, Sicotte P, **Campos FA**, Ting N. (2012) Between-group variation in female dispersal, kin composition of groups, and proximity patterns in a black- and-white colobus monkey (*Colobus vellerosus*). *PLoS ONE* 7(11): e48740.

Jack KM and **Campos FA**. (2012). Distribution, abundance, and spatial ecology of the critically endangered Ecuadorian capuchin (*Cebus albifrons aequatorialis*). *Tropical Conservation Science* 5(2): 173-191.

Campos FA and Fedigan LM. (2009). Behavioral adaptations to heat stress and water scarcity in white-faced capuchins (*Cebus capucinus*) in Santa Rosa National Park, Costa Rica. *American Journal of Physical Anthropology* 138 (1): 101-111.

Campos F, Manson J, and Perry S. (2007). Urine washing and sniffing in wild white- faced capuchins (*Cebus capucinus*): Testing functional hypotheses. *International Journal of Primatology*. 8(1): 55-72.

MANUSCRIPTS IN PREPARATION FOR SUBMISSION

Campos FA. A synthesis of long-term environmental change and its effects on Santa Rosa's primates. (Invited book chapter).

Campos FA, Bergstrom ML, and Fedigan LM. Energy returns on foraging in white-faced capuchins, *Cebus capucinus*.

Wikberg EC, Jack KM, **Campos FA**, Sato A, Bergstrom ML, Hiwatashi T, Kawamura S, and Fedigan LM. Alternative routes to reproductive success may explain male cooperation in a primate population (*Cebus capucinus*) with high reproductive skew.

Campos FA, Jack KM, and Fedigan LM. Spatial heterogeneity in primate habitat recovery and population growth in a regenerating Neotropical tropical dry forest.

Fedigan LM, **Campos FA**, Jack KM, Wikberg EC, and Kawamura S. Heritability and heterozygosity-fitness correlations in female Costa Rican capuchins.

Sato A, Wikberg EC, Matsushita Y, **Campos FA**, Oota H, Fedigan LM, Aureli F, Jack KM, Bergstrom LM, Hiwatashi T, and Kawamura S. Genetic variation in white-faced capuchins and black-handed spider monkeys in Costa Rica: implications of different dispersal patterns.

Fellowships, Grants, and Awards

PENDING

2016 Vetenskapsrådet (Swedish Research Council): "Time for predictive movement ecology: moving from patterns and processes to predictions" (PI with participants Navinder Singh and Göran Ericsson)

AWARDED

2016	Swedish Radiation Safety Authority Research Grant and Postdoctoral Fellowship <i>Declined to accept current position at Tulane University</i>	2,000,000 SEK (\$213,000 USD)
2012	Eyes High International Doctoral Scholarship	\$10,000 CAD
2010	The Leakey Foundation Research Grant	\$13,500 USD
2010	American Society of Primatologists Research Grant	\$1,500 USD
2008	Alberta Ingenuity Fund Scholarship	\$104,000 CAD
2008	Alberta Ingenuity Fund Research Grant	\$6,000 CAD
2008	Dean's Entrance Scholarship	\$6,000 CAD
2007	Sigma Xi Grant-in-aid of Research	\$1,000 USD
2006	American Society of Primatologists Research Grant	\$1,500 USD
2006-2010	8 institutional awards during graduate studies	\$59,800 CAD

SELECTED GRANT APPLICATIONS NOT AWARDED

2015 National Institute for Mathematical and Biological Synthesis: "Bayesian modeling and forecasting the effect of changing climate on the viability of wild primate populations" (with co-PI Fernando Colchero)

HONORS AND AWARDS

2007 Ochinsky-McKern Award, Canadian Association of Physical Anthropology \$300 CAD

Teaching Experience

AS INSTRUCTOR OF RECORD

- ▶ Introduction to Primatology and Human Evolution (ANTH 201, University of Calgary)
Fall 2014, 93 students
- ▶ Primate Behaviour (ANTH 311, University of Calgary)
Fall 2014, 162 students; Fall 2014, 111 students
- ▶ Primate Behavior and Ecology (ANTH 3140/6140, Tulane University)
Fall 2016, 9 students
- ▶ Introduction to Biological Anthropology (ANTH 1010, Tulane University)
Fall 2016, 22 students
- ▶ Introduction to Environmental Studies (EVST 1010, Tulane University)
Fall 2016, 24 students

AS TEACHING ASSISTANT

- ▶ Field Studies in Primatology (in Ghana and Costa Rica, University of Calgary)
Spring 2007, Spring 2010, and Summer 2012
- ▶ Primate Behavior and Research Design (in Costa Rica, University of Calgary)
Spring 2007 and Spring 2010
- ▶ Independent Study on Neotropical Primates (in Costa Rica, University of Calgary)
Spring 2007 and Spring 2010
- ▶ Introduction to Primatology and Human Evolution (ANTH 201, University of Calgary)
2006, 2009, 2012
- ▶ Introduction to Anthropological Statistics (ANTH 307, University of Calgary)
2006, 2007
- ▶ Primate Behaviour (ANTH 311, University of Calgary)
2005

AS GUEST LECTURER

- ▶ Delivering Effective Scientific Presentations (University of Tokyo)
2013 and 2014

Invited Talks

2015	"Primate responses to changing environments: a framework for predicting climate change impacts and conservation challenges." University of Texas San Antonio, USA.
2015	"Primates and the looming threats of climate change: insights from Santa Rosa's capuchins." University of Calgary, Calgary, Canada.
2013	"Drivers of home range characteristics across spatiotemporal scales in a neotropical primate." Primate Research Institute, Inuyama, Japan.
2010	"Movement ecology of white-faced capuchins." University of Tokyo.

Mentoring and Supervision

UNDERGRADUATE RESEARCH SUPERVISED

2010	Dayna Chetek, University of Calgary. "Interspecific Associations Between Capuchin Monkeys (<i>Cebus capucinus</i>) and Common Costa Rican Vertebrate Species."
2007	Nigel Parr, University of Calgary. "The dry season ranging behaviour of white-faced capuchin monkeys (<i>Cebus capucinus</i>)."

Professional Service

PEER-REVIEW FOR SCIENTIFIC JOURNALS

- ▶ AIMS Environmental Science, American Journal of Physical Anthropology, American Journal of Primatology, Behavioral Ecology (×2), Biological Conservation, Global Change Biology, International Journal of Primatology (×3), Landscape Ecology, Oryx, Primates (×2), Revista de Biología Tropical, Wildlife Research

FUNDING REVIEWS FOR GRANTS

- ▶ The Leakey Foundation, International Primatological Society

CHAired/Moderated Conference Sessions

2014	"Ranging." International Primatological Society conference, Hanoi, Vietnam.
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Professional Working Groups

- 2015-2016 **Evolutionary Ecology of Primate Life Histories** meetings at the National Evolutionary Synthesis Center (Durham, NC) and Princeton University (Princeton, NJ), focusing on primate life-history theory, mathematical ecology, climate change, and population dynamics.

Field Research Experience

ÁREA DE CONSERVACIÓN GUANACASTE, COSTA RICA

- 2014 Surveys and DNA collection at several sites along an ecological gradient to determine landscape influences on genetic structure.
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- 2009-2011 PhD Research: Behavioral flexibility in response to climate and landscape changes in white-faced capuchins.
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- 2007-2015 Directed four large-scale censuses of two primate species to monitor changes in population growth and structure.
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- 2006-2007 MA research: Behavioral thermoregulation and urine-washing in white-faced capuchins.

BOABENG-FIEMA MONKEY SANCTUARY, GHANA

- 2008 Assisted on study of kin bias, dispersal patterns, and female-female social relationships in black-and-white colobus.

WESTERN ECUADOR

- 2004-2005 Surveys throughout western Ecuador for the critically endangered Ecuadorian capuchin (PI: Dr. Katharine Jack, Tulane University).

RESERVA BIOLÓGICA LOMAS BARBUDAL, COSTA RICA

- 2002-2003 Assisted on study of social behavior and infant development in capuchins (PI: Dr. Susan Perry, UCLA).

HAWAII, USA

- 2001 Monitored nesting success and habitat requirements of the critically endangered Hawaiian honeycreeper *Loxioides bailleui*.

WYOMING, USA

- 2000 Evaluated survey methods for detecting burrowing owl (*Athene cunicularia*) nests.

Laboratory Experience

UNIVERSITY OF TOKYO, JAPAN

- 2008 Genotyped white-faced capuchins at short tandem repeat loci in Dr. Shoji Kawamura's genetics laboratory. Designed and created a relational database to organize and store the genetic data.

MAX PLANK INSTITUTE FOR EVOLUTIONARY ANTHROPOLOGY, LEIPZIG, GERMANY

- 2003-2004 Analyzed data collected by Drs. Susan Perry and Joe Manson to investigate urine-washing behavior in white-faced capuchins.

TRINITY UNIVERSITY, SAN ANTONIO, TX, USA

- 1997 Assisted with study of physical chemistry of atmospheric particles on ice surfaces as part of high-school internship program.

Scientific and Outreach Presentations

ORAL PRESENTATIONS AT SCIENTIFIC CONFERENCES

- 2015 **Campos FA** and Fedigan LM. Local and global climate effects on white-faced capuchin population growth and demography. American Association of Physical Anthropologists conference, St. Louis, USA
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- 2015 Wikberg EC, Jack KM, **Campos FA**, Sato A, Bergstrom ML, Hiwatashi T, Kawamura S, and Fedigan LM. Alternative routes to reproductive success may explain male cooperation in a primate population (*Cebus capucinus*) with high reproductive skew. American Association of Physical Anthropology conference, St. Louis, MO, USA.
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- 2014 **Campos FA** and Fedigan LM. Drivers of home range characteristics across spatiotemporal scales in a neotropical primate, *Cebus capucinus*. International Primatological Society conference, Hanoi, Vietnam.
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- 2014 Wikberg EC, Jack KM, **Campos FA**, Fedigan LM, Sato A, Bergstrom ML, Hiwatashi T, and Kawamura S. Reproductive skew in male white-faced capuchins (*Cebus capucinus*). International Primatological Society conference in Hanoi, Vietnam.
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- 2014 **Campos FA**, Jack KM, and Fedigan LM. A multi-decade investigation of primate population dynamics: the effects of climatic oscillations and forest regeneration. Primate Society of Japan conference, Osaka, Japan.
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- 2013 **Campos FA** and Fedigan LM. Spatial ecology of perceived predation risk in white-faced capuchins, *Cebus capucinus*. Primate Society of Japan / Mammal Society of Japan joint conference, Okayama, Japan.
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- 2013 Wikberg EC, **Campos FA**, Sato A, Bergstrom ML, Hiwatashi T, Jack KM, Fedigan LM, and Kawamura S. Parallel dispersal and its effect on the kin composition of groups in a gregarious primate (*Cebus capucinus*). Primate Society of Japan / Mammal Society of Japan joint conference, Okayama, Japan.
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- 2010 **Campos FA** and Jack KM. Distribution and abundance of the critically endangered Ecuadorian white-fronted capuchin (*Cebus albifrons aequatorialis*) in western Ecuador. International Primatological Society conference, Kyoto, Japan.
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- 2009 **Campos FA** and Fedigan LM. Environmental and spatial influences on urine-washing in white-faced capuchins at Santa Rosa National Park, Costa Rica. American Society of Primatologists conference, San Diego, USA.
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- 2007 **Campos FA** and Fedigan LM. Coping with dry heat: behavioral thermoregulation in wild capuchin monkeys. Canadian Association for Physical Anthropology conference, Calgary, Canada.
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- 2006 **Campos FA**, Manson JH, and Perry S. Urine washing and sniffing in wild white-faced capuchins (*Cebus capucinus*): Testing functional hypotheses. Canadian Association for Physical Anthropology conference, Peterborough, Canada.
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POSTER PRESENTATIONS AT SCIENTIFIC CONFERENCES

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- 2012 **Campos FA**, Wikberg EC, and Holmes TD. Population assessment of Demidoff's dwarf galago (*Galagoides demidovii*) in a Ghanaian forest fragment mosaic. American Association of Physical Anthropologists conference, Portland, USA.
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- 2011 Sato A, **Campos F**, Oota H, Jack K, Di Fiore A, Aureli F, Fedigan L, and Kawamura S. Genetic variation in wild capuchins and spider monkeys in Costa Rica: implications for dispersal patterns. Society of Molecular Biology and Evolution conference, Kyoto, Japan.
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- 2009 Sato A, **Campos F**, Oota H, Jack K, Fedigan L, and Kawamura S. Toward understanding the genetic variation of wild white-faced capuchin monkeys in Santa Rosa National Park, Costa Rica. Primate Society of Japan / Genetics Society of Japan conference, Gifu, Japan.
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- 2008 Parr N, **Campos F**, Childers A, Fedigan L, and Jack K. Dry season ranging behavior and intergroup relations in white-faced capuchins (*Cebus capucinus*) at Santa Rosa National Park, Costa Rica. American Society of Primatologists conference, West Palm Beach, USA.
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- 2006 **Campos FA**, Manson JH, and Perry S. Urine washing and sniffing in wild white-faced capuchins (*Cebus capucinus*): Testing functional hypotheses. American Society of Primatologists conference, San Antonio, USA.

OUTREACH PRESENTATIONS

- 2007 "Movement ecology of white-faced capuchins." Sector Santa Rosa, Área de Conservación Guanacaste, Costa Rica.
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- 2005 "Ecología y conservación de los primates de la costa ecuatoriana" [Ecology and conservation of the primates of the Ecuadorian coast]. Manta, Ecuador.

Languages

- ▶ English: native speaker
- ▶ Spanish: native speaker (fluent comprehension, reading, writing, and speaking)
- ▶ Swedish: basic communication skills / working knowledge

Quantitative Skills

SCIENTIFIC COMPUTING

- ▶ R: high proficiency with data manipulation, synthesis, statistical analysis and modeling, and visualization. You can find some R packages that I'm developing and analysis scripts for some of my recent publications here: camposfa.github.io.
- ▶ Reproducible research toolkit: R, RStudio, knitr, pandoc, git/github, rmarkdown.

GIS AND REMOTE SENSING

- ▶ R as a GIS: high proficiency with spatial packages sp, maps/mapdata, rgeos, rgdal, maptools, mapproj, gpclib, raster, rasterVis, spatstat, adehabitat, and others.
- ▶ ArcGIS, QGIS, and GRASS GIS: high proficiency; integration with PostGIS spatial database.
- ▶ PCI Geomatica: good knowledge of tasks related to satellite image processing (e.g., georeferencing, orthorectification, supervised and unsupervised classification, vegetation indices, change detection).
- ▶ GPS: extensive field experience and knowledge of map creation for Garmin GPS systems using GIS software, GPSTMapEdit, cgpsmapper, and MapSource/BaseCamp.

DATABASE EXPERIENCE

- ▶ Extensive knowledge related to relational database design, management, and programming.
- ▶ Strong experience with a variety of database management systems including MySQL, PostgreSQL, and Microsoft Access.
- ▶ Familiarity with storage and retrieval of geographic objects in a relational database via the PostGIS spatial extension for PostgreSQL.

PROGRAMMING

- ▶ High proficiency with R.
- ▶ Proficient in SQL, PHP, and VBA (for scripting with MS Office applications).
- ▶ Markup languages: Markdown, LaTeX, HTML