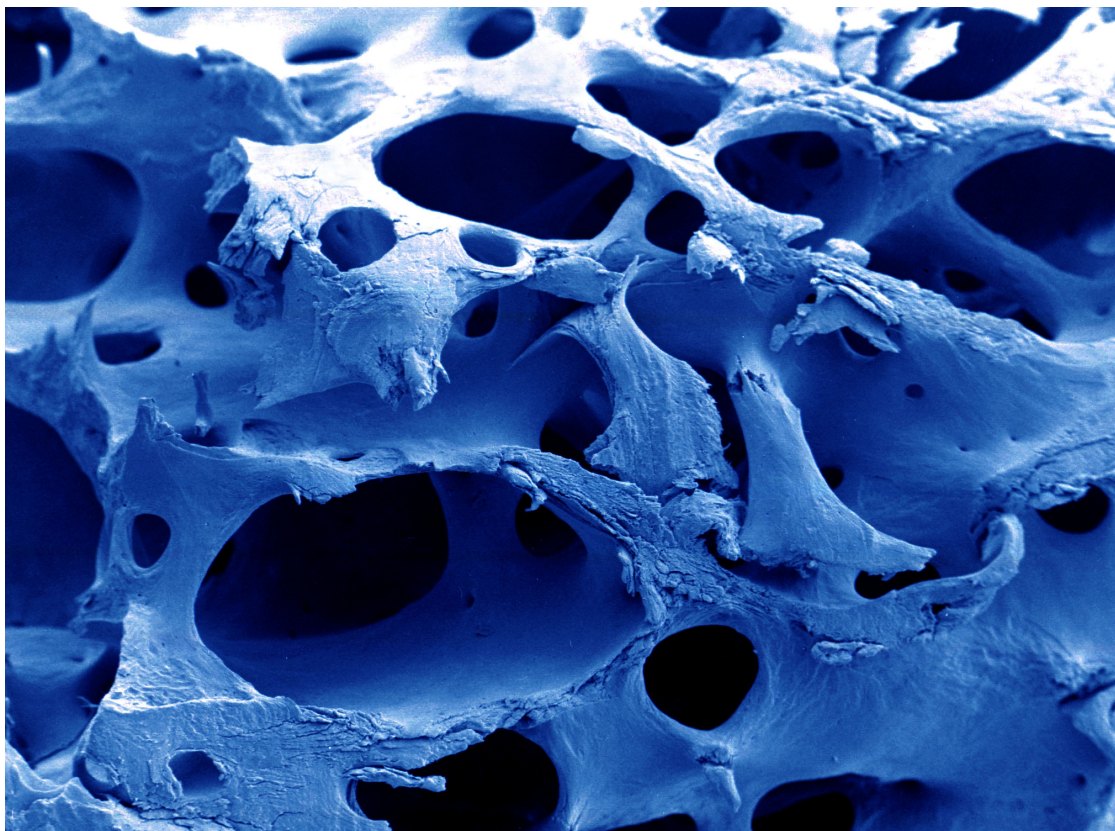


THE CANADIAN ASSOCIATION FOR  
PHYSICAL ANTHROPOLOGY



L'ASSOCIATION CANADIENNE  
D'ANTHROPOLOGIE PHYSIQUE



SCANNING ELECTRON MICROSCOPE IMAGE OF BONE by Debbie Marshall, shared under CC-BY 4.0

## VOLUME 2019, ISSUE #1

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# P R E S I D E N T ' S   M E S S A G E

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IAN CALQUHOUN



Greetings dear  
CAPA-ACAP  
Members! Well,  
with the Victoria  
Day holiday long  
weekend in the  
rear-view mirror  
and the Stanley Cup  
Finals about to

begin, the cultural calendar is telling me it must almost be June -- even though it's been a very cool and damp spring here in southern Ontario; we started this week with over-night lows in the 2-3 degree C range! With today's temperature up around 24-25 C, 90+% humidity, and the risk of severe thunderstorms in the forecast, it feels distinctly June-like out there (indeed, when I got to my office this morning, I noticed that the Facilities Management folks had the building's AC fired-up!). All this also signals that we've made it through the end of the 2018-'19 academic year, the final exams are all marked and final grades all submitted, and that hopefully everyone is now on to "summer projects" of one sort or another. Whether that means the summer "thesis research season" for CAPA-ACAP grad student members, returning to the field or delving back into work on existing projects, or launching new research, I hope the coming months will prove productive and invigorating for you -- and perhaps will generate results that we'll hear about at this year's Annual Meeting!

Another sure sign that the winter/spring academic term is done with is that I now have outcomes

of this year's Shelley R. Saunders Thesis Research Grant to pass along (getting a judging panel struck proved to be something of a challenge this year, so I ended up rolling up my sleeves and being Reviewer #3 -- thanks to the other two judges for their time and effort). Compared to the large pool of applicants in 2018, this year's SRS Thesis Research Grant competition was a decidedly smaller affair (that nonetheless still included a remarkable range of doctoral research project proposals!). While the field of applicants this year may have been smaller, that didn't make the job for the judges any easier. In the end, the adjudication panel reached a consensus and settled on two successful proposals. I am pleased to announce that the Shelley R. Saunders Thesis Research grantees for 2019 are: Allyson King (University of Calgary) for her proposed project "Short-term responses, lifelong consequences? Influences of maternal stress exposure on offspring development and reproductive success in *Colobus vellerosus*"; and Samantha Stead (University of Toronto) for her proposed project "Maternal stress and infant development in response to infanticide risk in wild Rwenzori Angolan colobus (*Colobus angolensis ruwenzorii*)". Congratulations to you both!

Speaking of the Annual Meeting, Warren Wilson at the University of Calgary has been hard at work and has been in touch with me on plans for this year's Annual Meeting in Banff, Alberta. Those plans are coming together; if you haven't been on the CAPA-ACAP website (<https://capa-acap.net/>) for a while, you'll find that the dates for the 47<sup>th</sup> Annual Meeting are now

posted: Wednesday, October 23<sup>rd</sup> through Saturday, October 26<sup>th</sup>, 2019; this year's Annual Meeting will be held at the Banff Centre for Arts and Creativity – the same venue as when University of Calgary hosted the 35<sup>th</sup> Annual Meeting back in 2007. More details to follow, but things are taking shape (indeed, Wayne, on behalf of the Association, signed the contract with the Banff Centre over a year ago now!).

Looking ahead, the CAPA-ACAP Equity and Diversity Committee has let me know that the Committee has turned their attention to the topic of sexual harassment. So, make a mental note that this will be something that will find its way into the Agenda for the 2019 Business Meeting. Between now and then,

there is still the matter stemming from the 2018 Business Meeting that an on-line poll of current CAPA-ACAP members would be held this summer concerning a possible name change for the Association (in conversations at last year's Annual Meeting, Canadian Association for Biological Anthropology/l'Association Canadienne d'Anthropologie Biologique, CABA-ACAB, seeming a leading candidate for adoption of a new name, although nothing was officially decided – hence the plans for a poll this summer). Watch for further details on this matter as well.

Here's to your plans for summer 2019, whatever they may be, unfolding smoothly.

September will be upon us before we know it, so enjoy the warm months between now and then – hope to see you all in Banff come October!

# MESSAGE FROM THE STUDENT REPRESENTATIVE

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LAURE SPAKE, SIMON FRASER UNIVERSITY

DEAR CAPA - ACAP STUDENT MEMBERS,

As the winter months come to a close and flowers and trees begin to burgeon, let me congratulate you all on conquering another academic year. For me, this has been a busy but productive one, and I hope it has been the same for you.

At our 2018 annual meeting in London, the membership voted to fund a new initiative in collaboration with Prime Earth. The purpose of the initiative is to develop a platform for career exploration and professional development for students. In my conversations with students at CAPA 2018 and AAPA 2019, I heard lots of excitement for this resource. The chatter I hear around the platform makes me think that CAPA as an organization is on the right track, and we will continue to push forward for this platform.

Every year at the October meeting, the student rep organizes a student luncheon dealing with an issue of interest to students. While I have some ideas percolating, do not hesitate to reach out to me with your ideas. This is your luncheon after all!

J'espère vous retrouver nombreux à Banff pour le meeting annuel de l'association. Quelle belle opportunité de partager les résultats de nos travaux tout en profitant d'incroyables paysages montagnards! La communauté étudiante qui se développe et se renforce chaque octobre au meeting vous y accueillera avec bras ouverts.

The early days of May are always special and full of energy as we prepare to take off on long-awaited field seasons and personal adventures. Do save photos and stories from your experiences, and share them with us!

**WISHING YOU ALL  
THE BEST FOR THE  
COMING MONTHS,  
ET À TRÈS BIENTÔT  
AU COEUR DES  
ROCHEUSES!**

**LAURE SPAKE**



## DEPARTMENT NEWS

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### UNIVERSITY OF CALGARY

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Faculty news: Pascale Sicotte is now Vice Dean of the Faculty of Arts. We miss her guiding hand as Head of the Department but know she is doing an excellent job guiding the very large Faculty of Arts. Steig Johnson is now Associate Dean, Research for the Faculty of Arts. Anne Katzenberg will retire at the end of June 2019 after 34 years in the department. She will maintain her lab and office at least in the short term, hoping to complete some unfinished projects.

#### Recent Graduates (2018-2019)

Madison Bradley – MA – “A test of the effect of hindlimb elongation on jumping performance using Longshanks mice” (Co-supervisors Susy Cote and Campbell Rolian)

Catherine Butts – MA – “Paleoenvironmental Reconstruction of Kalodirr and Moruorot, Kenya using Stable Carbon Isotopes” (Supervisor – Susy Cote)

Kim Edwards – PhD – “Dietary Adaptations of Arctic hunter-gatherers: the role of avifauna in northern paleodiets” (Supervisor – Anne Katzenberg)

A. Gibson (King) – MA - "Maternal and Non-Maternal infant handling in *Colobus vellerosus*." (Supervisor – Pascale Sicotte)

L. Larter – MA - "Factors influencing male-male interactions in *Colobus vellerosus*." (Supervisor – Pascale Sicotte)

Adrianne M. Offenbecker – Ph.D.- “Geographic Origins, status and identity at Paquime, Northwest Chihuahua, Mexico” (Supervisor – Anne Katzenberg)

T. Rissling –MA- “Variation in the timing of nutritional weaned age of *Colobus vellerosus*.” (Supervisor – Pascale Sicotte)

#### Grants and Awards

The Leakey Foundation (USA): “Understanding primate diet adaptations through genomics of digestive enzymes” To postdoctoral scholar Dr. Mareike Janiak (PI) and Amanda Melin (Co-I)

NSERC CGM scholarship to Swellan Pinto

Vanier Doctoral Scholarship to Shasta Webb

International Society of Primatologists research grant to Lais Moreira and Allegra Depasquale

Amanda Melin awarded New Frontiers (Early Career) grant from Tri-Council

University of Calgary Killam Awards in 2018 went to two members of our department. Amanda Melin was awarded the Emerging Researcher Leader Award and Anne Katzenberg was named a Killam Annual Professor.

As we approach the summer, things are still busy at the Department of Anthropology at UWaterloo. Dr. Maria Liston is conducting research in Greece, along with her MA student, Panchala Weerasinghe. Panchala is studying post-mortem treatment of individuals recovered from a gymnasium well in Eretria. This summer, Dr. Dolphin will be excavating a Bronze Age cemetery in Jordan as part of a fieldschool run through the Anthropology Department, and under the Directorship of Dr. Russell Adams. Students will get a great range of training in the field, and the laboratory, enjoy weekends in Petra, visiting Amman and the Dead and Red Seas, and eat ridiculously good food. This work is in support of a SSHRC Insight Grant titled "Tracing the long-term footprint of anthropogenic pollution in the landscape: evaluation of the evidence from a 5000 year old industrialized landscape in southern Jordan". The field school will also run during the summer of 2020 and will be opened up to participants from beyond UWaterloo (more to come on this, but anyone interest can contact [rbadams@uwaterloo.ca](mailto:rbadams@uwaterloo.ca)). Dr. Dolphin is also working with her MA student, Jeffrey Coffin, over the summer as he investigates what strontium isotopes might reveal regarding population movements in Neolithic France.

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M C M A S T E R   U N I V E R S I T Y

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Megan Brickley is currently working with colleagues on the identification of peri-mortem fractures, and next month will be visiting Europe to undertake research on aspects of co-occurrence of metabolic disease and dental indicators of early life vitamin D deficiency. These investigations have the potential to generate student projects (particularly at the Masters level) and interested students should get in touch ([brickley@mcmaster.ca](mailto:brickley@mcmaster.ca)).

Tracy Prowse is running the 2019 Bioarchaeological Field School at Vagnari (Italy) this summer.

Tina Moffat continues her research with the Mothers to Babies Project in Hamilton, ON. The team includes Dr. Luseadra McKerracher (postdoctoral fellow), Dr. Deborah Sloboda (Biochemistry and Biomedical Science, McMaster), and Dr. Mary Barker (University of Southampton, UK). Follow this YouTube link to find out more about this research project: <https://www.youtube.com/watch?v=r-fYvMKhKZ4&feature=youtu.be>

Congratulations to PhD student Brianne Morgan, who won the 2019 Student Poster Prize at the Paleopathology Association Meetings in Cleveland, OH.

**Don't see your department here? Make sure to submit your news for the next issue!**

Bolt, Laura M., Schreier, Amy L., Russell, Dorian G., Jacobson, Zachary S., Merrigan-Johnson, Carrie, Barton, Matthew C., and Coggeshall, Elizabeth M. C. (In press). Howling on the edge: Mantled howler monkey (*Alouatta palliata*) howling behaviour and edge effects in a fragmented rainforest in Costa Rica. *Ethology*.

Cote, S. (2018). News and Views: Old World Miocene savanna ecosystems. Invited commentary for *Nature Ecology and Evolution* 2, 210-211. doi:10.1038/s41559-017-0450-x. <https://t.co/oI9P7tqKMM>

Cote, S., Kingston, J., Deino, A., Winkler, A., Kityo, R., and MacLachy, L. (2018). Evidence for rapid faunal change in the early Miocene of East Africa based on revised biostratigraphic and radiometric dating of Bukwa, Uganda. *Journal of Human Evolution* 116:95-107.

Goodfellow C, Tabor W, Christie D, Sicotte P, Wikberg E, Ting N. (2019). Divergence in gut microbial communities mirrors a social group fission event in a black-and-white colobus monkey (*Colobus vellerosus*). *American Journal of Primatology*. DOI - 10.1002/ajp.22966

McKerracher L, Moffat T, Barker M, Williams D, Sloboda DM. (2018) Translating the Developmental Origins of Health and Disease concept to improve the nutritional environment for our next generations: a call for a reflexive, positive, multi-level approach. *Journal of Developmental Origins of Health and Disease* pages 1-9.  
DOI:10.1017/S2040174418001034

Merbs, CF. (2019). The Discovery and Rapid Demise of the Sadlermiut. In *Hunter-Gatherer Adaptation and Resilience*, edited by DH Temple and CM Stojanowski, pp. 302-327. Cambridge University Press, Cambridge.

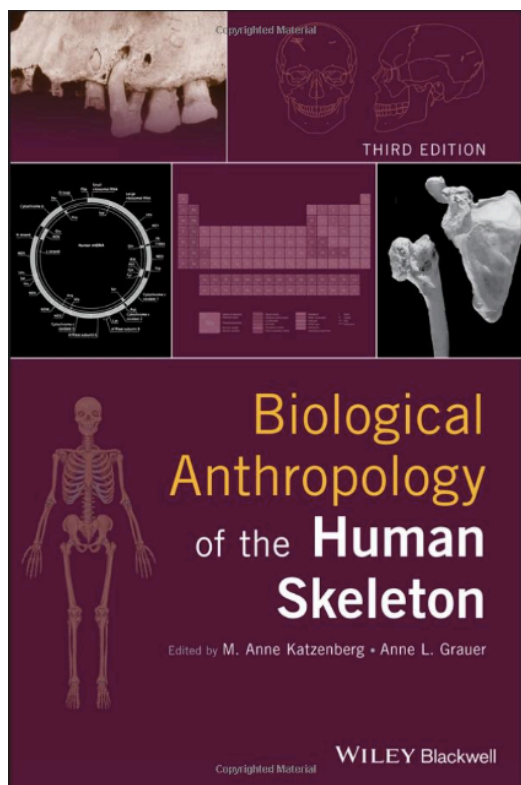
Merbs, CF. (2017). Dog Sledding on the Fourth of July. *Emeritus Voices* 21:98-103. <https://emerituscollege.asu.edu/sites/default/files/ecdw/EVoice21/merbs21.html>

Merbs CF. (2014). Playing Ball in the Sky. *Emeritus Voices* 15:108-113. <https://emerituscollege.asu.edu/sites/default/files/ecdw/EVoice15/merbs.html>

Reyna-Hurtado R, Teichroeb J, Bonnell, T, Hernández-Sarabia RA, Vickers SM; Serio-Silva JC, Sicotte P, Chapman C. (2018). Primates adjust movement strategies due to changing food availability. *Behavioral Ecology*. DOI:10.1093/beheco/arx176

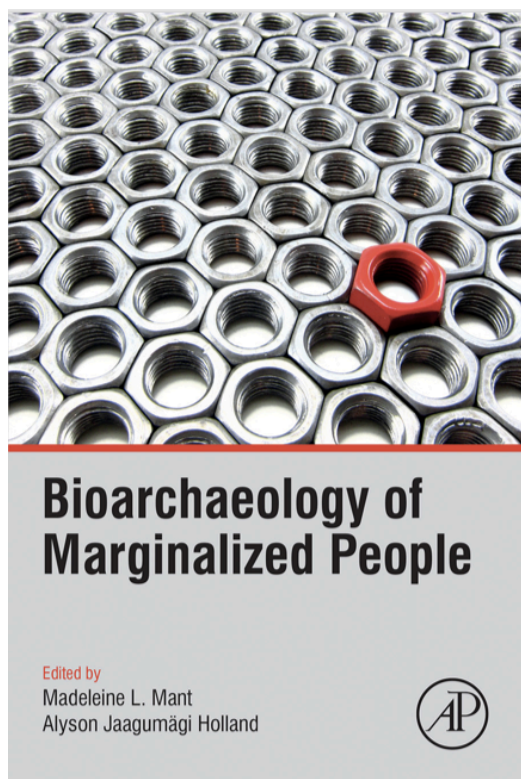
Robinson, C., Campbell, T., Cote, S., and de Ruiter, D. (2018). Incorporating stratigraphic data in hominin phylogenetic hypotheses: insights from *Australopithecus sediba*. *South African Journal of Science*. 114(3/4): 1-7. <http://dx.doi.org/10.17159/sajs.2018/20170327>

**Send Details of your Publications to be featured!**  
**Email [mmant@mun.ca](mailto:mmant@mun.ca) for details!**



The third edition of *Biological Anthropology of the Human Skeleton*, edited by M. Anne Katzenberg and Anne L. Grauer was released in fall 2018. This title was started in 2000 with the first edition co-edited by Anne Katzenberg and Shelley R. Saunders, following up on their smaller first co-edited book from 1992. The 2nd edition, also by Katzenberg and Saunders, appeared just prior to Shelley's untimely death in March of 2008. Several chapter contributors have been a part of every book and many of us have now worked with younger colleagues as co-authors in hopes that the volume will be carried forward.

Katzenberg, M.A., Grauer, A.L. (eds.) (2018). *Biological Anthropology of the Human Skeleton*, 3rd ed. Wiley, Hoboken, NJ.



*Bioarchaeology of Marginalized People*, the second co-edited volume from editors Madeleine Mant and Alyson Holland, was published in March 2019. This volume features the work of several CAPA members and seeks to problematize the concept of marginalization by studying this topic in reference to archaeological, historical, and modern studies of health and disease.

Mant, M., Holland, A. (eds.) (2019). *Bioarchaeology of Marginalized People*. Elsevier Academic Press, San Diego.

**MATTIA FONZO, MA STUDENT, UNIVERSITY OF NEW BRUNSWICK**

I am a second year Masters student at the University of New Brunswick, working under the supervision of Dr. Amy Scott. I am currently finishing my thesis on archaeoparasitology research at the Fortress of Louisbourg, Nova Scotia.

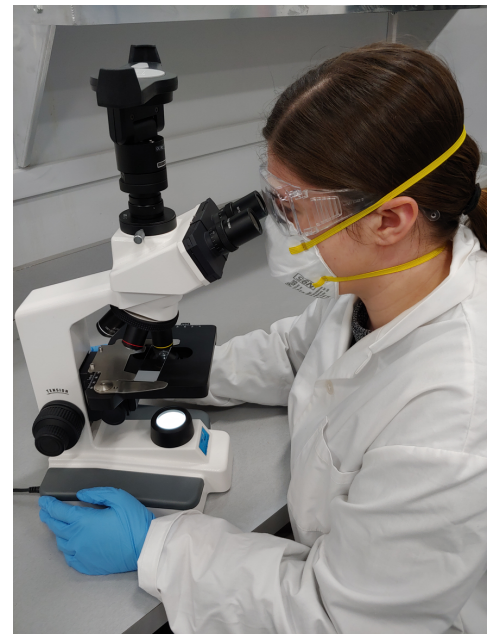
I started my undergraduate degree at Trent University in Forensic Science. In my second year, I took my first biological anthropology class where I instantly decided to switch to a joint degree in Anthropology and Forensic Science, so I could continue to grow my passion in biological anthropology. In my fourth year of my undergraduate degree I had the opportunity to volunteer at the 2016 CAPA meeting which was conveniently hosted by Trent University. There is where I first met Dr. Amy Scott who told me about the fascinating UNB Bioarchaeology Field School that would be happening for the first time that upcoming summer.

I was then accepted into the MA program at the University of New Brunswick and decided to join the field school as a student the summer prior to beginning my Masters. This was an amazing opportunity where I gained valuable experience and began my exciting journey at this beautiful National Historic Site of Canada. The next field season, I had

the opportunity to go back as one of the staff members working with the students in the onsite lab. I will be going back this upcoming summer as well (and hopefully many more summers to come!) and working in both the onsite lab and the field. During excavation is when I have the opportunity to collect soil samples from the pelvis of well-preserved skeletons to test for preserved parasite eggs. These eggs can help us identify the genera and species of some parasites at the fortress and what impacts they had on their human hosts.

Throughout my MA, I have had the opportunity to present my archaeoparasitological research at various conferences, including the 2018 CAPA, 2019 AAPA, 2019 PPA, and 2019 APANB meetings as well as graduate conferences at both the University of New Brunswick and the University of Maine. In addition to parasite research, I have also worked on numerous projects and publications that have stemmed from the Fortress of Louisbourg excavation including multiple skeletal case studies, soil pH analysis, and cross-site comparisons.

I will be continuing to work on these projects throughout my PhD that I will be starting this fall at the University of New Brunswick splitting my time between the Anthropology and Biology departments. I look forward to working across disciplines for my PhD, but perhaps most look forward to the fact that I can continue to gross out my supervisor with parasite stories while she is eating her lunch! For my PhD I plan to sample more skeletons over the next three field seasons and perform DNA analysis on the discovered parasite eggs to determine the exact species of parasites present and what influence they would have had in this 18<sup>th</sup> century Atlantic community.



In my spare time, I coach synchronized swimming and am the President of the UNB Graduate Anthropology Society.

## BRIANNE MORGAN, PHD STUDENT, MCMASTER UNIVERSITY



I am a first year PhD student at McMaster university, under the supervision of Dr. Megan Brickley. My research involves identifying the co-occurrence of anemia and scurvy in 18<sup>th</sup>-19<sup>th</sup> century Quebec and understanding the factors that contributed to the development of disease co-occurrence in this context.

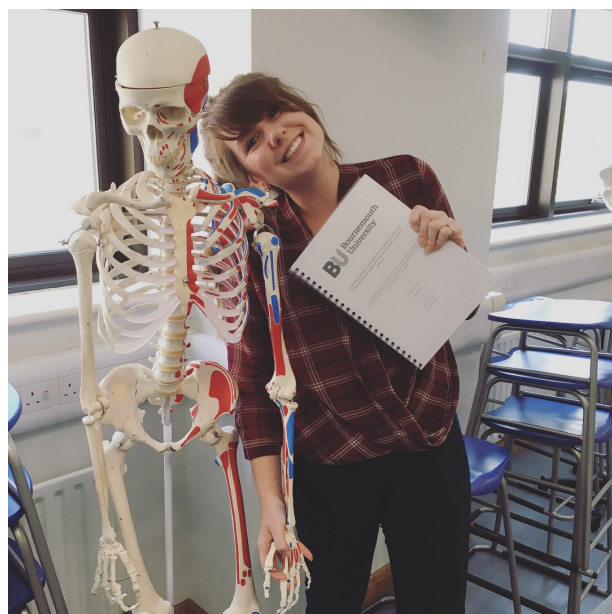
I completed my undergraduate degree in forensic science at Trent University, and didn't start out with an interest in anthropology at all. Instead, I was focused on chemistry and biology, and completed internships conducting chemical testing at a winery and training individuals in crime scene techniques at a forensic products company. Though this work, I realized that I especially liked working in a lab and knew that I wanted to continue on in academia

and pursue my own research questions and goals.

In the second year of this degree, I took my first anthropology course, and enjoyed it so much that I immediately signed up for as many other anthropology courses as I could, completely upending my entire course schedule in the process. I especially enjoyed courses relating to health and paleopathology, and this interest led me to a project in Dr. Chris Kyle's wildlife disease lab, where I worked on creating a molecular assay for detecting parasitic infections among muskoxen. This experience taught me about a lot about research design and the scientific process and helped to ultimately confirm that I wanted to study health and disease (but in humans).

I pursued my MSc degree in forensic anthropology at Bournemouth University, under the supervision of Dr. Martin Smith. I still had (and have) an interest in forensics and wanted to gain more practical experience in the field. My project involved investigating methods of 3D skeletal model construction, and assessing them for metric and qualitative accuracy, which I pursued due to an interest in digital skeletal conservation and methods of analysis. While completing this work, I learned many valuable techniques involving 3D digital models that I hope to be able to use and build upon in future research.

Throughout my short time at McMaster thus far, I am grateful for all the opportunities I have already had to be involved in paleopathological research, such as presenting case study of a traumatic hip fracture at the 2019 PPA conference. I am very excited to now be working on projects that directly relate to health in the past and am looking forward to continuing to be involved in Canadian anthropological research.



## CALL FOR PAPERS

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Dear colleagues,

The Editorial Board of the journal *Forensic Anthropology* is soliciting articles in Spanish for a special issue that is being edited by Ivana Wolff and Derek Congram. *Forensic Anthropology* is a journal published in English, however, we consider it an important step in the development of our field of study to be able to make a special issue where the articles would be published in both languages (i.e., each article in Spanish and English). The purpose of this initiative is to increase the scientific-academic literature of forensic archaeology and anthropology available in Spanish, and at the same time to share the experiences of the long trajectory, variety and impact of academic, medical-legal and humanitarian research related to the disciplines in Ibero-America. The deadline for the delivery of articles (in Spanish or in both languages) is September 1, 2019. The goal for reviewing the manuscripts is three weeks. If the manuscript is accepted for publication, the authors and the editors will discuss the English translation if not already provided.

For questions or concerns, please contact: [dcongram@icrc.org](mailto:dcongram@icrc.org), [ivawolff@yahoo.com.ar](mailto:ivawolff@yahoo.com.ar)





**maderasRFC.org**

## Primate Behavior & Ecology 2019-20

La Suerte Biological Field Station, Costa Rica

Summer #2 June 24 (fly in) to July 17 (fly out), 2019

Summer #3 July 19 (fly in) to Aug 14 (fly out) 2019

Winter: Dec 27, 2019 (fly in) to January 9, 2020 (fly out)

**Description:** This intensive field course provides experience in studying wild monkeys in a tropical forest environment and is excellent preparation for graduate studies in primatology, animal behavior, and ecology. Undergraduate and graduate students at all levels of training are encouraged to apply. The course includes training in field methods and culminates with a independent research project. Projects are designed individually by each student and guided by the course instructor.

**[www.maderasrfc.org](http://www.maderasrfc.org)**

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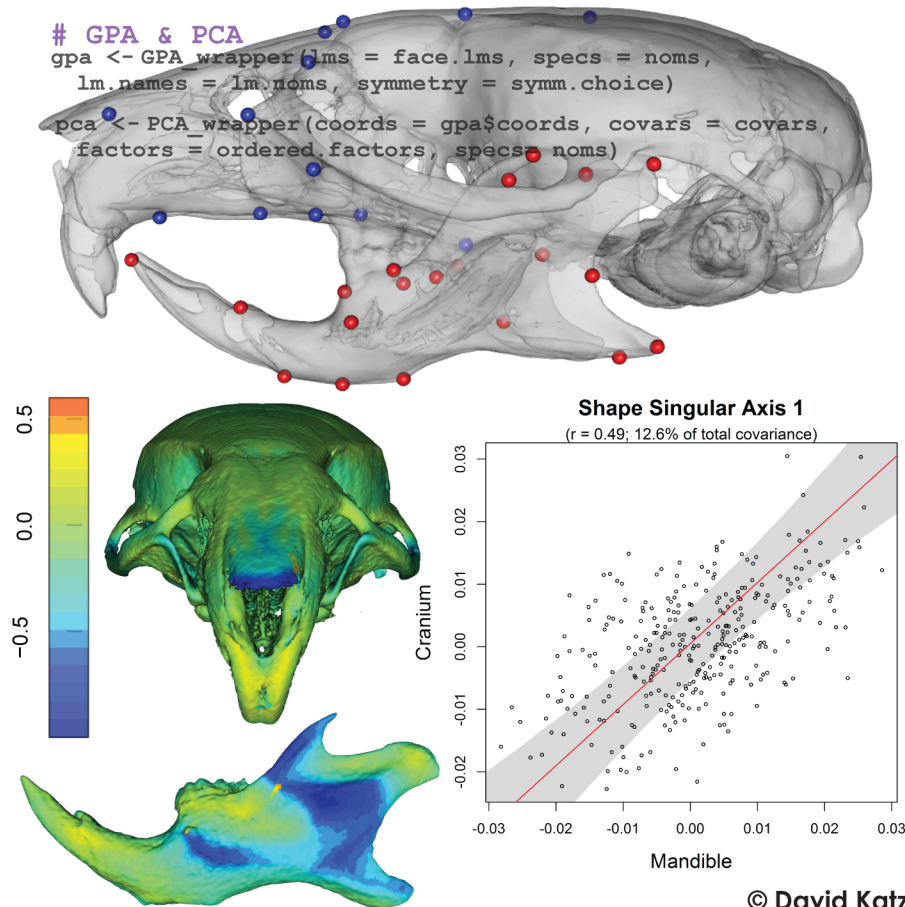
**[@maderasrainforestconservancy](#)**

**La Suerte Biological Field station is a protected Sanctuary operated by the Maderas Rainforest Conservancy 501 (c) (3). Primate studies have been ongoing at the site for 25 years.**

**Instructor: Dr. Laura Bolt**

**Cost:** \$2095 USD for winter or \$2400 USD for summer sessions, including \$150 USD registration fee. This cost includes tuition, room and board, group transportation to and from San Jose, and an overnight trip to Tortuguero for summer sessions. Cost of flights, hotel, and meals upon arrival and departure in San Jose is not included.

# Advanced courses for researchers



Geometric Morphometrics

## INTRODUCTION TO GEOMETRIC MORPHOMETRICS USING (MOSTLY) R

1st Edition

July 8th-12th, 2019, Calgary (Canada)

Instructors:

Dr. Paula González. CONICET-HEC-UNAJ. Argentina

Dr. David Katz. University of Calgary. Canada

[www.transmittingscience.org](http://www.transmittingscience.org)

Dear CAPA-ACAP Members,

The University of Calgary looks forward to hosting the 47th annual CAPA meetings in Banff, Alberta. This will be the sixth time the meetings have been held in Banff beginning in 1973 with the very first meeting of the association. Once again, we will stay at the Banff Centre with newly renovated accommodations, excellent food and complimentary access to world-class fitness facilities, and of course the Canadian Rockies.

The meetings will take place **October 23-26, 2019**. Some important deadlines:

Symposium proposal submission deadline: **June 30, 2019**

Abstract submission deadline: **Friday, September 27, 2019**

Student Award submission deadline: **Wednesday, October 16, 2019**

Banquet Ticket purchase deadline: **Friday, October 18, 2019**

