



KILMUIR CEMETERY, ISLE OF SKYE (photo by M. Mant)

## VOLUME 2019, ISSUE #2

### TABLE OF CONTENTS

---

PRESIDENT'S MESSAGE	PAGE 2
STUDENT REP'S MESSAGE	PAGE 3
CAPA-ACAP BANFF MEETING	PAGE 4
DEPARTMENT NEWS	PAGE 7
RECENT PUBLICATIONS	PAGE 10
GRAD STUDENT PROFILES	PAGE 12
FIELD SCHOOLS AND FUNDING	PAGE 14
FASCINATING...	PAGE 19

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

IAN CALQUHOUN



Dear CAPA-ACAP Members,

I think I'm getting used to thinking of it as being 2020 (although, I started to date a document the other day as "Dec..."!). Hope everyone had an enjoyable and

restful Holiday Season, and that your 2020 is off to a good start.

Looking back at 2019, we had another excellent Annual Meeting. This time we convened in Banff for the first time since 2007, with the University of Calgary as our hosts and the Banff Centre as the Annual Meeting venue. If you were unable to attend, you missed a memorable meeting. Of course the Rockies were magnificent, and we were treated to an early full-blown chinook on the Friday (I'd never experienced one before!). But, I think what most impressed me was the consistently collaborative and international nature of the research on display throughout the presentations -- both poster and podium presentations, and presentations by both Student and Full Members. Indeed, if you carefully read the Annual Meeting Program, you'll see that Local Organizing Committee lead Dr. Warren Wilson made the sage observation in his Welcoming Comments in the Program that we are a cooperative species. That was certainly on show in Banff! Congrats again to everyone who contributed to our 2019 Annual Meeting being such a smashing success in Banff!

As the result of a Symposium at the 2019 Annual Meeting in honour of the career of Dr. Anne Katzenberg, the Association was pleased to host Annie's long-time friend Dr. Anne Grauer (who was also co-editor with Anne on the 3rd edition of *Biological Anthropology of the Human Skeleton* published in late 2018). Among Dr. Grauer's other previous and current professional activities, she is the current President of the American Association of Physical Anthropologists (AAPA). So, she and I found we had a good deal to discuss regarding the

internal organization and workings of our respective Associations. I must say that she remarked on the "vibe" she felt at our Annual Meeting and her impression of us as a professional association representing physical/biological anthropology in Canada was a most positive one.

In some end-of-year honours that reflect the vibrant nature of our "little Association", you may not have seen the CAPA-ACAP website Tweets about the Student Presentation Awards in the wake of the 2019 Annual Meeting in Banff. The Oschinsky-McKern Award for top podium presentation was presented to Christina Nord, University of Lethbridge, for her paper "Social tolerance, over knowledge, promotes muzzle contact in vervet monkeys ". The judges also noted two Honorable Mentions in the podium presentation category: Honourable Mention 1: Sarah Oresnik; Honourable Mention 2: Joshua Lindal. The Davidson Black Award for the top poster presentation was presented to Creighton Avery, McMaster University, for her poster "Puberty in the Past: Investigating Pubertal Timing in the Roman Empire; again, in the poster presentation category, the judges noted two Honorable Mentions: Honourable Mention 1: Devin Chen; Honourable Mention 2: Victoria Lavallee. A hearty congratulations to all on their fine work. Apparently, Creighton Avery was not done for 2019. Before the year was out, Creighton was also one of five young researchers from across Canada to be recognized through the L'Oreal-UNESCO for Women in Science program -- you can follow the link here (<https://anthropology.mcmaster.ca/>) to read more about it. Congratulations Creighton!

As 2020 starts to unfold before us, our attention will again shift eastwards, with McMaster University slated to host the Annual Meeting. So, watch over the coming months for announcements concerning the details for the 2020 Annual Meeting. In the meantime, here's hoping that course-work doesn't overwhelm you (either in the teaching or taking modes), and that the new decade will hold many productive research opportunities for you all.

- Ian

# MESSAGE FROM THE STUDENT REPRESENTATIVE

---

LAURE SPAKE, SIMON FRASER UNIVERSITY

DEAR CAPA-ACAP STUDENT MEMBERS,

This year in Banff, I was pleased to meet many of you working in all subfields of biological anthropology and coming from across the country. As always, the quality of the student work at the meetings was excellent, and I returned home invigorated and ready to get back to research! Thank you for such a productive meeting.

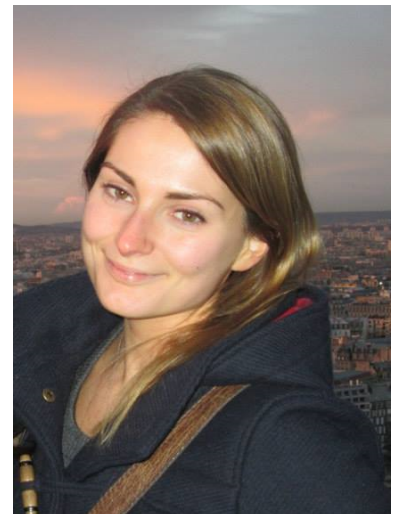
This year, the annual meeting student luncheon included a Q&A panel on the topic of academic careers. A big thank you to our panelists: Iulia Badescu, David Samson, Madeleine Mant, and Lauren Schroeder (pictured below)! Next year in Hamilton, I hope to organize a luncheon on non-academic careers. If you know of an anthropology grad in a non-academic career that would be willing to come to CAPA to speak with students, please let me know!



At our 2018 annual meeting in London, the membership voted to fund a career exploration and professional development initiative with Prime Earth. I am happy to report that work on the platform has begun, and that we anticipate the tool will be in beta by the end of 2020.

CAPA has also started a new Facebook group for the student membership. In advance of the Banff meeting, it was used by some to organize room shares and rides from Calgary. We hope that it will become a platform for students to connect and share information throughout the year. Join us – search for “CAPA-ACAP Student Members 2019-2020.”

**WISHING YOU ALL  
THE BEST FOR THE  
COMING WINTER  
HOLIDAYS,  
LAURE SPAKE**



CAPA's 2019 Annual Meeting was held on October 23-26 at the Banff Centre in Banff. Over those days, 156 attendees came together to share their research, catch up with colleagues and friends and make new connections. The 73 podium presentations and 40 posters, representing the breadth and innovation of Canadian research in biological anthropology, included symposia on topics ranging from the effects of physical, social, psychological, and emotional risk on individuals and populations to investigations of how resource insecurities become embodied in human populations. As well, we celebrated the remarkable career of Dr. M. Anne Katzenberg in a symposium organized by her former students and culminating with a guest lecture by Dr. Anne Grauer of Loyola University Chicago. Cognizant of the fact that Banff is located on the traditional lands of Treaty 7 Territory and acknowledging the past, present, and future generations of its First-Nations and Metis inhabitants, it was heartening to learn of the work of some of our members who applying their expertise to addressing contemporary challenges of these Nations. For example, Clara MacDonald (University of Toronto Mississauga), Sarah Duignan (McMaster University), Dr. Tracy Galloway (University of Toronto Mississauga), Dr. Linda Larcombe (University of Manitoba), and Kim Figura (Simon Fraser University) all presented research with implications for contemporary First-Nations, Inuit, or Métis peoples. Complementing this was the work of Jennifer Halliday (University of Windsor), Jenna Schall (University of Toronto), and Sarah Oresnik (McMaster University) concerning marginalized populations.

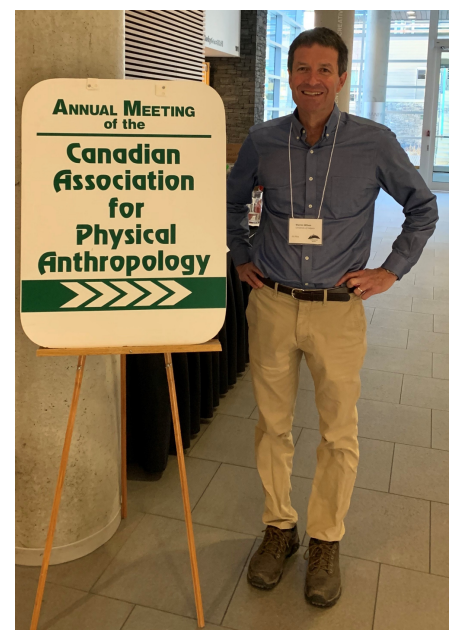
We were especially happy to see the large number of students who came out to participate in CAPA 2019. Student members shared their research and met colleagues from across the country. The quality of the student presentations was excellent, rendering the judging of the student competition extremely difficult. Congratulations to Creighton Avery (McMaster University), recipient of the Davidson Black Award, Christina Nord (Lethbridge University), recipient of the Oschinsky-McKern Award, to Devin Chen (University of Calgary), Victoria Lavallee (McMaster University), Sarah Oresnik (McMaster University), and Joshua Lindal (University of Manitoba), honourable mention recipients. Students also enjoyed a professional development luncheon where they participated in a Q&A with Dr. Iulia Badescu (Assistant Professor, Department of Anthropology, University of Montreal), Dr. Madeleine Mant (SSHRC Banting Postdoctoral Fellow; University of Toronto Mississauga CLA), Dr. David Samson (Assistant Professor, Department of Anthropology, University of Toronto, Mississauga), and Dr. Lauren Schroeder (Assistant Professor, Department of Anthropology, University of Toronto, Mississauga) on the topic of "Planning for an Academic Career: Pathways to the Tenure Track." Thanks so much to our four speakers for making that event such a success!

Once again, I would like to thank Tracy Wyman, Kris Russell-Markin, and Dr. M. Anne Katzenberg for their hard work to organize and run the conference. I am also very grateful for the help we received from our student volunteers who helped out with the AV, running the registration, and taking care of myriad odd jobs. Thanks also to Lawrence Kan and the rest of the staff at the Banff Centre for making sure the venue and food were top notch. I also thank our sponsors, especially the University of Calgary for its sponsorship of the student luncheon and Dr. Grauer's trip from Chicago. Finally, I would like to thank our colleagues who organized symposia, presented their research, distributed the door prizes at the banquet, and served as student award judges and session chairs. Many thanks for helping to make the conference such a rewarding experience!

Organizing CAPA 2019 was a lot of work but worth it to see everyone enjoy themselves so much. I look forward to seeing you in Hamilton next year!

**Warren Wilson**

DEPARTMENT OF ANTHROPOLOGY & ARCHAEOLOGY  
UNIVERSITY OF CALGARY.





*Beautiful Banff, AB*



*Local organizers Warren Wilson, Kris Russell Markin and Tracy Wyman*



*One Branch, Many Leaves: A Symposium honouring Anne Katzenberg. (LtoR): Sandra Garvie-Lok, Adrienne Offenbecker, Anne Katzenberg, David Cooper, Courtney McConnan Borstad, Jocelyn Williams, Tamara Varney, Andrea Waters-Rist, Emily Peschel, and Kim Edwards*



*Oschinsky-McKern Award winner Christina Nord and Davidson Black Award winner Creighton Avery*



*Opening night reception: Anne Katzenberg, Pascale Sicotte, Iulia Badescu, Warren Wilson, and Mary Susan Pavelka*



*Celebrating World Lemur Day! Volunteers: Zachary Jacobson, Pamela Narváez, and Nicola Guthrie.*



*Tracy Prowse and Maddy Mant distributing banquet raffle prizes in a shy and retiring manner.*

## DEPARTMENT NEWS

---

### UNIVERSITY OF SASKATCHEWAN

---

Two MA students shared details of their 2019 fieldwork with us!

Co-supervised by Dr. David Cooper and Dr. Tamara Varney, Rachel Simpson (University of Saskatchewan) is a master's student using synchrotron-based X-ray Fluorescence Imaging (XFI) to map biogenic and diagenetic trace elements in modern cadaveric bone, which will help contextualize previous trace element research from colonial Antigua. This summer, she helped excavate several burials in the 18-19th century Antigua Royal Navy hospital cemetery site that were at risk of destruction due to modern development. The hospital cemetery is one of the only non-segregated cemeteries in the West Indies from this time period, consisting of low-ranking navy personnel and enslaved labourers who potentially experienced outbreaks of infectious disease.



*Josalyn Head and Rachel Simpson*

*From Treena Swanston (MacEwan University):* Josalyn Head (MacEwan), Rachel Simpson (U of Sask) and I helped a team led by Dr. Matt Brown of Farmingdale State College, who had been asked by the Department of Heritage Resources for the National Parks Antigua to recover skeletal remains associated with the Royal Naval Hospital cemetery (1793-1822) in Antigua.



*Rebecca Bourgeois at Lake Baikal*  
(photo by Lauren Michelman)

In May-June 2019 Rebecca Bourgeois spent six weeks in Irkutsk, Russia reconstructing the fragmented and commingled human remains from Moty-Novaia Shamanka, an Early Neolithic Cemetery from the Cis-Baikal Region. During this time she completed her Master's data collection, experienced Russian cooking, and participated in an excavation with her supervisors on the coast of Lake Baikal.

---

### UNIVERSITY OF MANITOBA

---

Kaela Parker successfully defended her PhD entitled "Health and Aging in Medieval and Post-medieval Denmark" in October 2019.

It's been another busy year at WLU! While on sabbatical, Dr. Bonnie Glencross was responsible for restructuring the department's first year introductory course and writing a new ebook (*Introduction to Archaeology*, 2019, Kendall-Hunt Publishing). This past year also saw the publication of work conducted by Glencross and members of the Çatalhöyük Human Remains Team in the Proceedings of the National Academy of Sciences titled, "The Bioarchaeology of an Early Farming Mega-Site Community" (June 25, 2019 116 (26) 12615-12623). Bonnie also attended a number of conferences delivering papers on collaborative projects with colleagues, Drs Tracy Prowse and Gary Warrick, and graduate student Taylor Smith (*Geographic and Temporal Variation in Canid Dietary Patterns from Five Huron-Wendat Village Sites in Ontario, Canada delivered at the 2019 annual meeting of the SAA*, and, *In Search of Carhagouha: Three Field Seasons of Investigation at Tay Point delivered at the 2019 annual meeting of the CAA*). Bonnie will be returning to Tay Point this summer to lead a field school and a fourth field season at the early 17<sup>th</sup> century Huron-Wendat village site, Ahatsistari.

---

U N I V E R S I T Y O F W A T E R L O O

---

Dr. Maria Liston and graduate student Panchala Weerasinghe spent part of the summer on the Greek island of Euboea, analyzing the late Roman skeletal remains from a well in the gymnasium excavated at Eretria by the Swiss School of Archaeology in Greece. The well contained about 20 adults and children, and over 100 infant skeletons, as well as many dogs and large quantities of butchering debris. Panchala presented her work on the adults and older juveniles at the 2019 BARFAA meetings at Grand Valley State University in Michigan. Dr. Liston is currently exploring comparisons between the infant remains in this well and the slightly earlier ones from the Agora Bone Well, published in 2018. In June 2020, Panchala Weerasinghe and Dr. Liston will participate in the excavation of a newly discovered small cemetery in Corinth, Greece, working with the American School of Classical Studies excavations. Dr. Liston will spend a sabbatical at the Wiener Laboratory of Archaeological Sciences in Athens, Greece, January-August 2020, where she will be completing the data collection on skeletons from an early Christian hospice cemetery in Thebes. Two first-year students in the Public Issues Anthropology MA program plan to work with Dr. Liston in Greece this summer as well. Tamara Graham will be studying the tarsal bones from the many feet left behind partially exhumed burials from Thebes. Elizabeth Lukashal, plans to continue her examination of skeletal manifestations of syndromic diseases on skeletal samples from Corinth, Greece and the National Museum of Natural History (Smithsonian Institution).

Dr. Alexis Dolphin co-directed field school excavations at the heavily polluted Early Bronze Age cemetery at Wadi Faynan 100 in Jordan during the summer of 2019. Accompanied by several graduate student staff members from the Public Issues Anthropology MA program at UWaterloo, and 11 undergraduate students, excavation of several charnel houses was undertaken. Planning is currently underway for 2020 excavations of burial mounds and tombs, as well as sampling of teeth from looted graves from several locations and time periods represented in the valley. We are opening up our participation to students from outside of UWaterloo this year, particularly if they have some experience with human osteology. Anyone interested in participating can contact Dr. Dolphin ([adolphin@uwaterloo.ca](mailto:adolphin@uwaterloo.ca)) with enquiries and/or visit the project website for more information: <https://bargalandscapeproject.com/>. Also, Dr. Dolphin recently became the recipient of a Canada Foundation for Innovation – John R. Evans Leaders Fund (CFI-JELF) grant to purchase infrastructure in support of the newly founded Ancient and Contemporary Environmental Bioindicators Laboratory (ACEBioLab) in the Department of Anthropology at the University of Waterloo. The first phase of ACEBioLab will work to facilitate the use of dental bioindicators (DBs) research investigating human-environment interactions. Work will focus on developing ways to identify aspects of early environments that determine the development of DBs, identify how individuals' long-term health may be predicted using DBs, and investigate what DBs may tell us about the impacts of long-term environmental shifts on human populations (contemporary and ancient).

Hello from the few but mighty at the University of Windsor!

As this is being written not long after seeing you all in Banff, the excitement from seeing the wide array of everyone's work is still lingering. It's been a busy year for those of us here at Windsor, with Dr. **John Albanese** continuing the analysis of human and faunal remains from the Borzi Hill Site on the island of Kefalonia, Greece. In spring 2019, two MA students, **Greer Vanderbyl** and **Sarah Shaver**, made significant contributions to the research. At the 2019 CAPA meetings, we collaborated on a poster presenting the remarkable faunal discoveries with Greer as the first author and a podium presentation delivered by Sarah as the first author on the paleopathology of the tombs. Thanks to Dr Hugo Cardoso (Department of Archaeology, SFU) for visiting us in Greece (the horror!) and assisting with the data collection and analysis.

In other news, John's is continuing his research and participation in the investigation of human rights violations in Canada and Brazil. In July 2019, 12 forensic science undergraduates accompanied John for a science abroad exchange course with Strathclyde University in Glasgow, Scotland. Plans are being made for a return to Scotland in July 2020.

We would like to extend our congratulations to **Jennifer Halliday** for graduating in 2019 with her MA, *Multidimensions of Poverty: An Analysis of the Differential Effects of Racism and Poverty on Skeletal Growth*. Jennifer graduated with the highest departmental GPA in the program - way to go Jen!

While the University of Windsor doesn't have a master's degree or even an undergrad degree in anthropology, anthropology is happening in a unique multidisciplinary context that combines forensic anthropology, crime scene investigation, criminology, sociology and anything else that is of interest. This allows for some new and exciting research to take place, especially that which doesn't fit into traditional anthropology or archaeology departments. If this sounds like something that would be of interest of you, contact John ([albanese@uwindsor.ca](mailto:albanese@uwindsor.ca)) with your research ideas and see about joining us, either at the MA or PhD level.

Happy field season, everyone, and see you in Hamilton!

- Sarah Shaver and John Albanese



*Greer Vanderbyl and Sarah Shaver undertaking fieldwork in Spring 2019*

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

Albanese J. (2019). *Anthropologia Forense para os Vivos: Movendo-se Além da Análise da Casos na Luta pelos Direitos Humano Universais*. [Forensic anthropology for the living: Moving beyond casework in the struggle for universal human rights]. In: J. Amadeo (ed.), *Violência de Estado na America Latina: Direitos Humanos, Justiça de Transição e Anthropologia Forense* (pp. 425-34). São Paulo: Editora UNIFESP.

Albanese J., & Cardoso, H.P.V. (2019). Commentary on: Stephan CN, Ross AH. Letter to the Editor—A code of practice for the establishment and use of authentic human skeleton collections in forensic anthropology. *Journal of Forensic Science*. 63(5): 1604–7. Letter to the editor, *Journal of Forensic Science*, Version of Record online: 22 May 2019

Bolt, L.M., Russell, D.G., Coggeshall, E.M.C., Jacobson, Z.S., Merrigan-Johnson, C., & Schreier, A.L. (in press). Howling by the river: Howler monkey (*Alouatta palliata*) communication in an anthropogenically-altered riparian forest in Costa Rica. *Behaviour*.

Cosmopoulos, M., Shelton, C., Ruscillo, D., Riebe, D., Liston, M.A., & Allen, S.E. (2019). The chronology of Mycenaean states: New accelerator mass spectrometry 14C dates from Iklaina, *Journal of Archaeological Science* 24: 888-99.

Gooderham, E., Matias, A., Liberato, M., Santos, H., Walshaw, S., Albanese, J., & Cardoso, H.P.V. (2019). Linear and appositional growth in children as indicators of social and economic change during the Medieval Islamic to Christian transition in Santarém, Portugal. *International Journal of Osteoarchaeology* <https://doi.org/10.1002/oa.2784>

Heathcote, G.M., Pietrusewsky, M., Weiss, E., Sava, V.J., Anderson, B.E., Ikehara-Quebral, R., Douglas, M.T., Ramirez-Aliaga, J.M., Matisoo-Smith, E.A., Stodder, A.L.W., Walth, C., King, C.A., & Hanson, D.B. (2019). Enigmatic cranial superstructures among Chamorro ancestors from the Mariana Islands: Comparative geographic variation and a proposal about their meaning. *Journal of Island and Coastal Archaeology*. DOI: 10.1080/15564894.2019.1638470.

Liston, M.A. (2020). Skeletal evidence for the impact of battle on soldiers and non-combatants. In: L.L. Brice (ed.), *New approaches to Greco-Roman warfare*. Wiley-Blackwell.

Meijer, J., Dolphin, A.E., Yakymchuk, C., & Gervers, M. (2019). Interpreting medieval mobility from burials at the rock-hewn church of St. Georges, Gurat (France): Insights from strontium isotope analysis of bones and teeth. *International Journal of Osteoarchaeology*. 29: 574– 83. <https://doi.org/10.1002/oa.2753>

Pacheco-Revilla, G. & Congram, D. (2020). Forensic analysis of the unidentified dead in Costa Rica from 2000 to the present. In: R.C. Parra, S.C. Zapico, & D.H. Ubelaker (eds.), *Forensic science and humanitarian action: Interacting with the dead and the living*. Wiley.

Sawchuk, E.A., Pfeiffer, S., Klehm, C.E., Cameron, M.E., Hill, A.C., Janzen, A., Grillo, K.M., & Hildebrand, E.A. (2019). The bioarchaeology of mid-Holocene pastoralist cemeteries west of Lake Turkana, Kenya. *Archaeological and Anthropological Sciences* 11(11): 6221-6241.

Stewart, A., & Liston, M.A. (2020). Bathing beauties: Hygiene, hydrotherapy, and the female nude: An Early Hellenistic Bronze case-mirror from Elis. In: B. Robinson, S. Bouffier, & I. Fumadó Ortega (eds.), *HYDRΩMED II: Cultes et cultures de l'eau dans le monde méditerranéen au Premier millénaire avant notre ère/Water Cult and Culture in the Mediterranean World of the 1st Millennium BCE*. Aix-en-Provence: Bibliothèque d'Archéologie Méditerranéenne et Africaine du Centre Camille Jullian.

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



Larry A. Sawchuk & Lianne Tripp

## MONKEY TALES

The Gibraltar Macaque: a Living Legacy  
and a Perfect Nuisance

CAPA-ACAP members Larry Sawchuk and Lianne Tripp have a brand new book: *Monkey Tales*.

As every visitor to Gibraltar knows meeting the monkeys face-to-face is among the things to see while on the Rock. *Monkey Tales* will add to that experience by taking you on a journey through time from their early appearance in Gibraltar, during Moorish times to today. You will learn the answers to both fact and fiction about the only "wild monkeys in Europe". Is there a monkey cemetery located in Gibraltar? Is it true that every Governor of Gibraltar has issued at least one edit about the monkeys? Why was Tony the Ape Dictator Executed in 1944? Is there a tunnel from Gibraltar to North Africa, and is that where the monkeys bury their dead? What do the ravens and the Tower of London, and Gibraltar apes have in common? Is it true that the monkeys can speak? When, and why, did the monkeys have names and serial numbers in the British Army? Why did Churchill order more monkeys to be imported from North Africa during the Second World War? What is the Monkey Book, and who wrote it? Are the monkeys actually the Lions of Gibraltar? Are the Gibraltar macaques the earliest example of primate conservation in the World?

Sawchuk, L.A., Tripp, L. (2019). *Monkey Tales*. Gibraltar: Gibraltar National Museum.

---

## C E R T I F I C A T I O N S

---

CAPA-ACAP member Derek Congram recently passed the certification exam of the Latin American Forensic Anthropology Association (ALAF) in Puno, Peru. ALAF aims to standardize and ensure best practice, having now certified 20 forensic anthropologists since 2013. The certification process is based on a similar process in the U.S. (American Board of Forensic Anthropology), but has a more practical focus, reflecting the reality of forensic anthropology in Latin America.

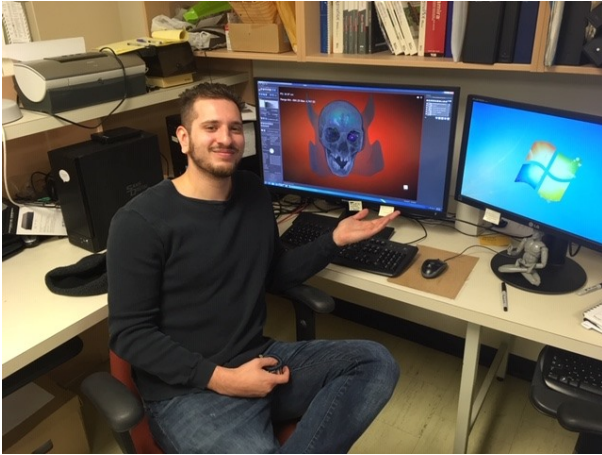
Congratulations to Derek!

---

## C A L L F O R A N E W E D I T O R

---

Do you love the CAPA-ACAP newsletter and want to keep it going? Or do you hate it and desire to overhaul it entirely? If you answered yes to either of these questions, perhaps it is time for you to take up the mantle of CAPA-ACAP Newsletter Editor! The position is a three-year term (starting in Fall 2020), with the expectation of gathering materials and putting together two issues per year. Please feel free to get in touch with the current editor, Maddy Mant (maddy.mant@utoronto.ca), if you have any questions or want to nominate yourself for this sacred (and fun!) duty.



## ANDREW ARSENAULT, MA STUDENT, UNIVERSITY OF WESTERN ONTARIO

I am a second year Bioarchaeology Masters student at the University of Western Ontario under the supervision of Dr. Andrew Nelson. Currently, I am currently working on completing my thesis which aims to elucidate the relationship between social stratification and the way it was expressed through ancient Egyptian mummification. I am also the Co-President of the Western Anthropology Graduate Society and the Anthropology ambassador for the Society of Graduate Students here at UWO.

My road towards receiving a degree in Bioarchaeology at Western University is a little unorthodox as I took some extra time to acquire my undergraduate degree. I attended Concordia University in Montreal, Quebec, where I graduated with an Honor's Degree in Anthropology accompanied by a minor in Classical Archaeology. This, however, took me about 5 years as the first 3 were riddled with uncertainty. Although I was doing well, I was the vocalist for a fairly popular metal/hardcore band that was committed to touring often which led to academia taking a backseat. When the band broke up, I reluctantly returned to school full-time, however, I quickly realized how much I truly loved anthropology and my trajectory changed for the better.

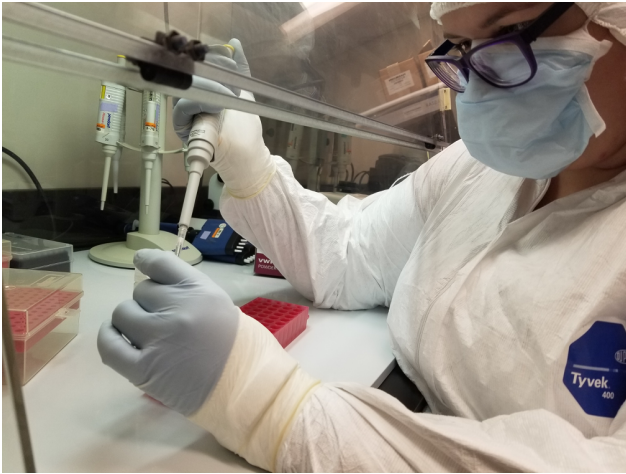
What would have been my regular anthropology degree soon turned into a specialization which would eventually turn into an honors degree after my interest and grades continued to flourish. This anthropology program, however, was primarily focused on the socio-cultural and linguistic aspects of the discipline and did not offer courses in archaeology or biological anthropology, which were always more intriguing to me. Unbeknownst to me at the time, this would be my first time engaging with interdisciplinarity, as I was forced to approach another discipline, Classics and History, to get my archaeology fix; and I loved it. It was through this program where I applied and was accepted for an archaeological field school in Northern Greece, where my love for physical anthropology grew even more.

All of this has led to me to where I am today, and I am very grateful. Once I realized I wanted to continue in academia, I knew I had one important aspect missing within my anthropological arsenal; biological anthropology. While I was looking for graduate programs, I was fortunate enough to have had a phone call with Andrew Nelson who sold me on the wonderful idea of utilizing my knowledge in both socio-cultural Anthropology and Classical Archaeology in conjunction with Bioarchaeology, while engaging with research that promotes and invites interdisciplinarity. My research sees me using postprocessing software's to analyze incredible 3D reconstructions of Egyptian mummies based on their CT scans and it is through this process that I study ancient Egyptian mummification and the influence social stratification has had on its variability, particularly amongst non-elites. In addition to being important outside my own personal interests, I believe this area of research is the perfect intersection of all these anthropological aspects I have grown to love.

My goal going forward is to complete my MA thesis and began working on my PhD which will hopefully continue to explicate the relationship between social stratification and ancient Egyptian mummification.



## SAMANTHA PRICE, PHD CANDIDATE, MCMASTER UNIVERSITY



I am a PhD Candidate at McMaster University, working under the supervision of Dr. Tracy Prowse and Dr. Hendrik Poinar. My research explores the connection between health, disease and the oral microbiome in medieval Denmark. Specifically I'm exploring how the great European famine in the Middle Ages affected the oral microbiome and in turn the health of these individuals.

I completed my undergraduate degree in anthropology at the University of Winnipeg. I actually started my postsecondary education taking biology and chemistry courses with the intent of pursuing a medical laboratory technician program, but decided to fill out my schedule with the introduction to anthropology

courses due to my interest from Kathy Reich's books. Before Thanksgiving that first year I was hooked, but continued to explore biology and chemistry alongside my anthropology courses. This gave me many educational opportunities from dissections, to histological examination, and several lab experiences such as gel electrophoresis, mass spectrometry, and animal behavioural observation. This diverse experience gave me a well rounded background when considering all of the ways that we can study people in both the past and present. In my third year I took part in the joint archaeological field school between the University of Manitoba and the University of Winnipeg in which we completed excavations at the site of the Hudson's Bay Company post, Upper Fort Garry. Here I learned the importance of a bucket brigade, that clay and the screen are mortal enemies, and that I loved the field aspect of archaeology as much as I enjoyed examining skeletal material in the lab. This interdisciplinary education made it very clear to me that continuing into academia, my own research would be interdisciplinary.

I took a year to engage in CRM archaeology in Ontario to expand my experience in Canadian archaeology before pursuing my MA in anthropology at Trent University with Dr. Anne Keenleyside. My project started all with a simple question posed by Anne and frequent collaborator, Dr. Henry Schwarcz, could dental calculus be used as a proxy to bone to investigate diet using stable isotopes? During this research I learned many valuable techniques working with mass spectrometry, fourier-transform infrared spectroscopy, and sample preparation in the lab. In my research, I found that dental calculus is a complex material, and because its compositions contains contributions not only from its host, but also the bacterial communities living on the surface of the tooth, one of the best lines of evidence for examining dental calculus moving forward was using DNA to explore the oral microbiome.

This brought me to my PhD at McMaster University, where I am pursuing this research at the intersection of bioarchaeology, genetics and microbiology with the guidance of my committee. The experience and knowledge I have and continue to gain through my training and work with the other students and staff in the McMaster Ancient DNA Centre is monumental. Last summer I travelled to ADBOU at the University of Southern Denmark to collect my dental calculus samples. I have been working through extracting and sequencing the DNA from these samples, and analyzing the results. I presented preliminary findings of my work at the annual meeting this year in Banff and look forward to sharing the rest of my results at future meetings.

In my spare time (and sometimes during public lectures) I can be found engaging in the fibre arts, specifically knitting and embroidery. I've become interested in slow fashion and the sustainability of our wardrobes over the past few years and how/if the clothing industry engages with the public in both a diverse and inclusive manner.



## FIELD SCHOOLS & FUNDING

---

### SIMON FRASER UNIVERSITY

The Department of Archaeology is pleased to offer a field school focusing on the archaeology, history and culture of Southern Portugal. Students will travel to three locations for training, hands-on lab and field experience in the excavation and interpretation of human remains from funerary contexts. At these locations, students will also be going for visits to archaeologically, historically and culturally significant sites. The first and second weeks will be spent in the cities of Santarém and Faro, respectively, where students will attend lectures about archaeology and history of the regions, as well as attend labs to learn and practice various bioarchaeology field and lab techniques, as well as to familiarize themselves with various types of archaeological materials they will encounter. Students will then spend an additional four weeks excavating an archaeological cemetery in the old walled village of Cacela Velha, municipality of Vila Real de Santo António. Here they will be involved in a series of practical activities such as archaeological survey, excavation of funerary and non-funerary contexts, field photography, drawing and recording, geo-mapping, interpretation of stratigraphy, exhumation, field and lab processing and conservation of human remains. While working at the site, students will be staying in the nearby beautiful beach town of Manta Rota."

Links for more information (poster on next page):

<https://sfu-horizons.symplicity.com/index.php?s=programs&mode=form&id=8fba5e1f9a383eda5217c06960431a2c>

<http://www.sfu.ca/people/cardoso/field-school.html>



SUMMER 2020

# Bioarchaeology Field School: Life and Death in Medieval Portugal

WANT TO APPLY?  
[sfu.ca/studyabroad](https://sfu.ca/studyabroad)

APPLY BY:  
**December 1, 2019**

COURSES  
**ARCH 433** (3 units)  
**ARCH 436** (6 units)



**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), 2020**

**Summer #3 July 19 (fly in) to Aug 14 (fly out) 2020**

**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)**

**[info@maderasrfc.org](mailto:info@maderasrfc.org)**

**[@mrconservancy](https://www.instagram.com/mrconservancy)**

**[@maderasrainforestconservancy](https://www.instagram.com/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.

# UNB BIOARCHAEOLOGY FIELD SCHOOL

FORTRESS OF LOUISBOURG,  
CAPE BRETON, NOVA SCOTIA, CANADA  
JULY 18 - AUGUST 16, 2020

- Excavate an 18th-century cemetery at a National Historic Site of Canada
- Learn bioarchaeological field techniques involving human remains and mortuary artifacts
- Gain lab skills for processing and analyzing human remains

 /UNBBioarchaeologyFieldSchool

 @unbbioarchaeologyfieldschool

APPLY NOW: **UNB.ca/bioarchaeology**



Parks  
Canada

Parcs  
Canada





# The Shelley Saunders/ Koloshuk Family Scholarship

For PhD students in Biological  
Anthropology working with faculty  
in the Department of Anthropology

The Shelley Saunders / Koloshuk Family scholarship supports biological anthropology PhD students for 4 years of study with a minimum of \$35,000/year (international students) and up to \$25,000/year (domestic students). Apply to our PhD program and you will be automatically considered. There are funds available to assist with lab and fieldwork.

Visit [bit.ly/DoctorofPhilosophyinAnthropology](http://bit.ly/DoctorofPhilosophyinAnthropology)

## Finding a supervisor:

In our graduate programs we emphasize a close match of interests between students and faculty supervisors. Visit our [anthropology.mcmaster.ca/people](http://anthropology.mcmaster.ca/people) to review the research interests of our biological anthropologists:

- Dr. Megan Brickley
- Dr. Tina Moffat
- Dr. Hendrik Poinar
- Dr. Tracy Prowse

The Department of Anthropology has several labs with state-of-the-art equipment that graduate students have access to:

- The Laboratory for Integrated Bioarchaeological Research in Health, Diet, Disease, and Migration (Bioarch-HDDM).

This facility is composed of four integrated laboratory spaces:

- The Bioarcheology Analytical Suite
- The Microscopy Suite
- The Isotope Sample Preparation Suite
- The Brickley Bioarcheology Lab

- The McMaster Ancient DNA Centre

Visit [anthropology.mcmaster.ca/spaces](http://anthropology.mcmaster.ca/spaces) for details on all our labs!

Shelley Rae Saunders

## A 'FASCINATING' CAPA BANQUET



With deepest thanks and apologies to: Ian Colquhoun, Bence Viola, Michael Schillaci, John Albanese, Andrew Arsenault, Rob Hoppa, Hugo Cardoso, Todd Garlie, David Cooper, and Andrew Nelson!