

**ARIANNE BOILEAU**  
Department of Sociology and Anthropology  
Mount Royal University  
Calgary, AB, CANADA T3E 6K6

Phone number: 403.440.6432

Email: [aboileau@mtroyal.ca](mailto:aboileau@mtroyal.ca)

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## **EDUCATION**

- 2021 Ph.D. University of Florida, Department of Anthropology Gainesville, FL  
Dissertation: *Identifying Household-level Political Economy on the Maya/Spanish Frontier: A Zooarchaeological Perspective from Lamanai, Belize*  
Advisor: Kitty Emery
- 2013 M.A. Trent University, Department of Anthropology Peterborough, Canada  
Thesis: *Maya Exploitation of Animal Resources during the Middle Preclassic Period: An Archaeozoological Analysis from Pacbitun, Belize*
- 2010 B.A. Université Laval, Département des Sciences Historiques Québec City, Canada

## **PROFESSIONAL APPOINTMENTS**

- 2023–present **Assistant Professor**  
Department of Sociology & Anthropology, Mount Royal University
- 2021–2022 **Postdoctoral Fellow**  
Department of Archaeology, Simon Fraser University
- 2019–2020 **Online Course Instructor**  
Department of Anthropology, University of Florida
- 2016–2018 **Assistant Collections Manager**  
Environmental Archaeology Program, Florida Museum of Natural History

## **PUBLICATIONS**

### **Peer-Reviewed Publications**

- 2022 Meghan A. Balk, John Deck, Kitty F. Emery, Ramona L. Walls, Dana Reuter, Raphael La France, Joaquin Arroyo-Cabrales, Paul Barrett, Jessica Blois, **Arianne Boileau**, Laura Brenskelle, Nicole R. Cannarozzi, J. Alberto Cruz, Liliana M. Dávalos, Noé U. de la Sancha, Prasiddhi Gyawali, Maggie M. Hantak, Samantha Hopkins, Brooks Kohli, Jessica N. King, Michelle S. Koo, A. Michelle Lawing, Helena Machado, Samantha M. McCrane, Bryan McLean, Michèle E. Morgan, Suzanne Pilaar Birch, Denne Reed, Elizabeth J. Reitz, Neeka Sewnath, Nathan S. Upham, Amelia Villaseñor, Laurel Yohe,

Arianne Boileau

- Edward B. Davis, and Robert P. Guralnick. A Solution to the Challenges of Interdisciplinary Aggregation and Use of Specimen-Level Trait Data. *iScience* 25(10):1–19. <https://doi.org/10.1016/j.isci.2022.105101>
- 2021 Morin, Eugène, **Arianne Boileau**, and Elspeth Ready. A Refitting Experiment on Long Bone Identification. *International Journal of Osteoarchaeology* 31(4):650–662. <https://doi.org/10.1002/oa.2980>
- 2020 Cunningham-Smith, Petra, Ashley E. Sharpe, **Arianne Boileau**, Erin K. Thornton, and Kitty F. Emery. Food, Friend, or Offering: Exploring the Role of Maya Dogs in the Zooarchaeological Record. In *Her Cup for Sweet Cacao: The Social Uses of Food in Ancient Maya Society*, edited by Traci A. Ardren, pp. 161–187. University of Texas Press, Austin, TX.
- 2020 **Boileau, Arianne**, Nicolas Delsol, and Kitty F. Emery. Human-Animal Relations in the Maya World. In *The Maya World*, edited by Scott R. Hutson and Traci Ardren, pp. 164–182. Routledge, New York.
- 2020 **Boileau, Arianne**, and Norbert Stanchly. Middle Preclassic Faunal Utilisation at Pacbitun, Belize: Evidence for Social Differentiation, Exchange, and Craft Specialisation. In *An Archaeological Reconstruction of Ancient Maya Life at Pacbitun, Belize*, edited by Terry G. Powis, Sheldon Skaggs, and George Micheletti, pp. 41–54. Archaeology of the Maya 4. BAR International Series 2970. BAR Publishing, Oxford, UK.
- 2019 **Boileau, Arianne**. El uso de la tafonomía arqueozoológica para examinar la estratigrafía de la época postclásica-colonial en Lamanai, Belice. *Cuadernos del Instituto Nacional de Antropología y Pensamiento Latinoamericano – Series Especiales* 7(2):34–42. [https://revistas.inapl.gob.ar/index.php/series\\_especiales/article/view/1310/952](https://revistas.inapl.gob.ar/index.php/series_especiales/article/view/1310/952)
- 2019 Morin, Eugène, Cédric Beauval, **Arianne Boileau**, Elspeth Ready, and Véronique Laroulandie. The Number of Distinct Elements: Extending a Landmark-based Counting Unit to Other Taxa. *Journal of Archaeological Science: Reports* 24:773–784. <https://doi.org/10.1016/j.jasrep.2019.01.007>
- 2018 Rice, Prudence M., **Arianne Boileau**, Leslie G. Cecil, Susan D. deFrance, Carolyn Freiwald, Nathan J. Meissner, Timothy W. Pugh, Don S. Rice, and Matthew P. Yacubic. Zacpeten Structure 719: Activities at a Contact-period *Popol Nah* before Rapid Abandonment. *Ancient Mesoamerica* 29(1):137–155. <https://doi.org/10.1017/S0956536117000220>
- 2017 Morin, Eugène, Elspeth Ready, **Arianne Boileau**, Cédric Beauval, and Marie-Pierre Coumont. Problems of Identification and Quantification in Archaeozoological Analysis, Part I: Insights from a Blind Test. *Journal of Archaeological Method and Theory* 24(3):886–937. <https://doi.org/10.1007/s10816-016-9300-4>
- 2017 Morin, Eugène, Elspeth Ready, **Arianne Boileau**, Cédric Beauval, and Marie-Pierre Coumont. Problems of Identification and Quantification in Archaeozoological Analysis, Part II: Presentation of an Alternative Counting Method. *Journal of Archaeological Method and Theory* 24(3):938–973. <https://doi.org/10.1007/s10816-016-9301-3>

### **Published Abstracts**

- 2022 **Boileau, Arianne**. Identifying Household-Level Political Economy on the Maya/Spanish

- Frontier: A Zooarchaeological Perspective from Lamanai, Belize [Doctoral Dissertation, University of Florida]. *New Florida Journal of Anthropology* 3(1). DOI: 10.32473/nfja.v3i1.129885
- 2019 Balk, Meghan A., Ramona L. Walls, Robert P. Guralnick, Edward B. Davis, John Deck, Kitty F. Emery, Raymond L. Bernor, Laura M. Brenskelle, and **Arianne Boileau**. FuTRES: Functional Trait Resource for Environmental Studies. *Biodiversity Information Science and Standards* 3:e37058. DOI: 10.3897/biss.3.37058.

### **Data Publication**

- 2023 **Boileau, Arianne**. Household Zooarchaeology of Colonial Lamanai. *Open Context*. <https://doi.org/10.6078/M7NK3C52>

### **Technical Reports**

- 2023 Sharpe, Ashley and **Arianne Boileau**. *Análisis de ADN antiguo de tortugas arqueológicas: Informe para la Resolución N°153-22 DNPC*. Report submitted to the Ministerio de Cultura de Panamá, Panama City, Panama.
- 2018 **Boileau, Arianne**. Animal Resource Exploitation at Lamanai, Belize during the Terminal Postclassic-Early Colonial Period: Preliminary Results from the 2016 Lab Season. In *Report on the 2016 Investigations at Lamanai*, edited by Elizabeth Graham, pp. 23–104. Report submitted to the Institute of Archaeology, National Institute of Culture and History, Belmopan, Belize.
- 2018 **Boileau, Arianne**. Maya Turtle Exploitation at Lamanai, Belize during the Terminal Postclassic-Early Colonial Period: Preliminary Results from the 2015 Lab Season. In *Report on the 2015 Investigations at Lamanai; with update on Marco Gonzalez*, edited by Elizabeth Graham, pp. 39–80. Report submitted to the Institute of Archaeology, National Institute of Culture and History, Belmopan, Belize.
- 2015 Emery, Kitty and **Arianne Boileau**. *Zooarchaeological Analysis of Animal Remains from Residences at the Site of La Joyanca, Guatemala, Final Report*. Report presented to Dr. Charlotte Arnaud, Université de Paris 1 Panthéon Sorbonne and Centre de National de Recherche Scientifique, Paris, France.
- 2013 **Boileau, Arianne**. *Exploitation of Animal Resources during the Terminal Archaic: A Zooarchaeological Study from Stratum 5, Unit M-8, Useppa Island*. Report presented to Dr. Karen Walker, Florida Museum of Natural History, Gainesville, Florida.
- 2012 **Boileau, Arianne**. Preliminary Report on the Middle Preclassic Vertebrate Remains from Pacbitun, Belize. In *Pacbitun Regional Archaeological Project (PRAP): Report on the 2011 Field Season*, edited by Terry G. Powis, pp. 94–106. Report submitted to the Institute of Archaeology, National Institute of Culture and History, Belmopan, Belize.
- 2011 Moodie, Steven J. M., and **Arianne Boileau**. What Lay Beneath: A Reexamination of the Minanha Ballcourt. In *Archaeological Investigations in the North Vaca Plateau, Belize: Progress Report of Twelfth (2010) Field Season*, edited by Gyles Iannone, Maxime Lamoureux St-Hilaire, and Matthew Longstaffe, pp. 45–62. Social Archaeology Research Program, Department of Anthropology, Trent University, Peterborough.

- 2011 **Boileau, Arianne.** Preparing Animal Skeletons in a Tropical Environment. In *Archaeological Investigations in the North Vaca Plateau, Belize: Progress Report of Thirteenth (2011) Field Season*, edited by Gyles Iannone, Sonja A. Schwake, Jaime J. Awe, and Philip P. Reader, pp. 190–192. Social Archaeology Research Program, Department of Anthropology, Trent University, Peterborough.

## **AWARDS AND HONORS**

- 2020 International Student Outstanding Achievement Award, UF International Center  
2020 Graduate Student Mentoring Award, University of Florida  
2018 Florida Museum of Natural History Bullen Award  
2010 Trent University Master of Arts Entrance Scholarship

## **GRANTS AND FELLOWSHIPS**

### **Research Grants**

#### External

- 2022–2024 Insight Development Grant, Social Sciences and Humanities Research Council (SSHRC). Role: Principal Investigator. Project Title: *Exploring Population Dynamics, Husbandry, and Trade of Freshwater Turtles: An Ancient DNA and Multi-Isotopic Perspective from the Maya World* (CAD 37,224)  
2020–2023 Doctoral Dissertation Research Improvement Award, National Science Foundation. Role: Co-Principal Investigator. Project Title: *Identifying Household-level Political Economy on the Maya/Spanish Frontier through Zooarchaeology*. Award Number: BCS-2001676 (USD 27,271)  
2016–2017 Sigma Xi Grants-in-Aid of Research, Sigma Xi. Role: Project Title: *Identifying Maya Animal Trade through Strontium and Oxygen Isotope Analysis at Lamanai, Belize*. Award Number: G201603152038355 (USD 1,000)

#### Internal

- 2023 Endeavour Fund, Mount Royal University  
2019 Graduate School Doctoral Research Travel Award, University of Florida  
2015 Florida Museum of Natural History Research Travel Award  
2015 James C. Waggoner Jr. Grants-in-Aid, Dept. of Anthropology, University of Florida  
2014 Tinker Travel Grant, Center for Latin American Studies, University of Florida

### **Fellowships**

- 2021–2022 Fonds de recherche du Québec Société et culture Postdoctoral Fellowship  
2021 Out-of-State Tuition Fee Exemption (3 credits), Florida-Canada Linkage Institute  
2020 College of Liberal Arts and Sciences Dissertation Fellowship, University of Florida

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- 2019–2020 Rothman Doctoral Fellowship in the Humanities, University of Florida  
 2019 Charles H. Fairbanks Scholarship, Dept. of Anthropology, University of Florida  
 2016 Dienje Kenyon Memorial Fellowship, Society for American Archaeology  
 2014–2018 Social Sciences and Humanities Research Council Doctoral Fellowship  
 2013–2014 Fonds de recherche du Québec Société et culture Doctoral Research Scholarship  
 2011 Fonds de recherche du Québec Société et culture Master’s Research Scholarship  
 2010 Social Sciences and Humanities Research Council CGS Master’s Scholarship

### **Conference Travel Grants**

- 2023 Faculty Development Committee (FDC) Travel Award, Mount Royal University  
 2023 Winter 2023 Faculty Research and Scholarship Dissemination Fund, Mount Royal University  
 2017–2019 College of Liberal Arts and Sciences Travel Award, University of Florida (x3)  
 2016–2020 Florida Museum of Natural History Travel Award (x3)  
 2014–2020 Graduate Student Travel Award, Dept. of Anthropology and Land Use Environmental Change Institute, University of Florida (x7)  
 2014–2020 Office of Research Travel Award, University of Florida (x4)  
 2014–2019 Graduate Student Council Travel Grant, University of Florida (x5)

## **CONFERENCE ACTIVITY**

### **Organized Symposia**

- 2023 *Breaking Down Borders: Debating Origins and Directions of Interregional Exchange in Latin America* Workshop. Co-organized with Aleksa Alaica and Diana Moreiras, University of British Columbia, and the Canadian Latin American Archaeology Society (CLAAS), October 26-28th, 2023.  
 2023 *Recent Advances in Zooarchaeological Methods*. Co-chaired with Nicolas Delsol at the 88th Annual Meeting of the Society for American Archaeology, Portland, Oregon.  
 2017 *Celebrating Canadian Archaeology Participation in Belizean Archaeology: 50 Years and Still Going Strong!* Co-chaired with Meaghan Peuramaki-Brown at the 50th Annual Meeting of the Canadian Archaeological Association, Ottawa (Canada), May 11th, 2017.  
 2017 *Rethinking Methods in Faunal Analysis*. Co-chaired with Eugène Morin and Elspeth Ready at the 82nd Annual Meeting of the Society for American Archaeology, Vancouver (Canada), March 30th, 2017.

### **Papers Presented (\*Invited)**

- 2023 **Boileau, Arianne**, Kitty F. Emery, Ashley Sharpe, Grace H. Zhang, Yuka Shichiza, Cathy Tran, and Dongya Yang. *Terrible Turtles: The Challenge and Success of aDNA Research on River Turtle Population Dynamics in Mesoamerica*. Paper presented at the 14th International Council for Archaeozoology, Cairns, Australia, August 8th, 2023.

- 2023\* **Boileau, Arianne**, Kitty F. Emery, Ashley Sharpe, Grace H. Zhang, and Dongya Yang. *Exploring Freshwater Turtle Population Dynamics in the Maya World Through Ancient DNA Analysis*. Paper presented at the 88th Annual Meeting of the Society for American Archaeology, Portland, Oregon, April 1st, 2023.
- 2022\* **Boileau, Arianne**. *Food Resilience on a Colonial Frontier: Zooarchaeological Research and Community Engagement at Lamanai, Belize*. Paper presented (virtually) at the 2nd Annual Belize KULCHA Symposium, October 7th, 2022.
- 2022 **Boileau, Arianne**. *A Zooarchaeological Perspective on Maya Socio-political Status and Occupation at Contact-period Lamanai, Belize*. Paper presented at the 54th Annual Meeting of the Canadian Archaeological Association, Edmonton (Canada), April 28th, 2022.
- 2022 **Boileau, Arianne**. *Maya Political Economy on a Colonial Frontier: A Zooarchaeological Analysis of Elite and Non-elite Households at Lamanai, Belize*. Paper presented at the 87th Annual Meeting of the Society for American Archaeology, Chicago, Illinois, April 1st, 2022.
- 2022 Thornton, Erin K., Kitty F. Emery, Charlotte Arnauld, and **Arianne Boileau**. *Good Things Come in Small Packages: A Unique Maya Cache from La Joyanca (Petén, Guatemala)*. Poster presented at the 87th Annual Meeting of the Society for American Archaeology, Chicago, Illinois, April 1st, 2022.
- 2021\* **Boileau, Arianne**. *The Inside/Outside Connection: A Spatial Analysis of Faunal Remains from Contact-period Maya Elite Structures at Lamanai, Belize*. Paper presented (virtually) at the 86th Annual Meeting of the Society for American Archaeology, San Francisco, California, April 15th, 2021.
- 2020 Baker, Polydora, Kong F. Cheong, Kitty F. Emery, **Arianne Boileau**, Terry Powis, and Norbert Stanchly. *'Tubular Bones': Bone Tubes as Possible Music Instruments at the Ancient Maya Centre of Pacbitun, Belize*. Paper presented (virtually) at the 26th Annual Meeting of the European Association of Archaeologists, Budapest, Hungary, August 28th, 2020.
- 2020\* **Boileau, Arianne**. *The Inside/Outside Connection: A Spatial Analysis of Faunal Remains from Contact-period Maya Elite Structures at Lamanai, Belize*. Paper accepted at the 85th Annual Meeting of the Society for American Archaeology, Austin, Texas, April 23rd, 2020. (conference cancelled due to COVID-19)
- 2020 Thornton, Erin K., Kitty F. Emery, Charlotte Arnauld, and **Arianne Boileau**. *Good Things Come in Small Packages: A Unique Maya Cache from La Joyanca (Petén, Guatemala)*. Poster accepted at the 85th Annual Meeting of the Society for American Archaeology, Austin, Texas, April 24th, 2020. (conference cancelled due to COVID-19)
- 2019\* Balk, Meghan A., Ramona L. Walls, Robert P. Guralnick, Edward B. Davis, John Deck, Kitty F. Emery, Raymond L. Bernor, Laura M. Brenskelle, and **Arianne Boileau**. *FuTRES: Functional Trait Resource for Environmental Studies*. Paper presented at the 2019 Biodiversity Next, Leiden, The Netherlands, October 22–25th, 2019.
- 2019\* **Boileau, Arianne**. *Spinning in Circles (or Not): Examining the Possible Function of Maya Perforated Bone Disks as Spindle Whorls*. Paper presented at the 13th Meeting of the Worked Bone Research Group, Montreal, Canada, October 8th, 2019.

- 2018 **Boileau, Arianne.** *El uso de la tafonomía arqueozoológica para examinar la estratigrafía de la época postclásica-colonial en Lamanai, Belice.* Paper presented at the IV Encuentro Latinoamericano de ArqueoZoología (ELAZ), Río Gallegos, Santa Cruz (Argentina), November 23rd, 2018.
- 2018 **Boileau, Arianne.** *Testing the Stratigraphic Integrity of Shallow Deposits through Zooarchaeology at Lamanai, Belize.* Paper presented at the 83rd Annual Meeting of the Society for American Archaeology, Washington, D.C., April 13th, 2018.
- 2017\* **Boileau, Arianne.** *Guess Who's Coming to Dinner? A Review of Canadian Scholarship on the Ancient Maya Diet.* Paper presented at the 50th Annual Meeting of the Canadian Archaeological Association, Ottawa (Canada), May 11th, 2017.
- 2017\* Baker, Polydora, Kitty F. Emery, **Arianne Boileau**, Kong F. Cheong, Kaitlin Crow, and Norbert Stanchly. *Worked Bone Tubes from Late and Terminal Classic Burials at Pacbitun, Belize, and Their Possible Use as Musical Instruments.* Paper presented at the 50th Annual Meeting of the Canadian Archaeological Association, Ottawa (Canada), May 11th, 2017.
- 2017\* **Boileau, Arianne**, Elspeth Ready, Cédric Beauval, Marie-Pierre Coumont, and Eugène Morin. *Testing the Robustness of NISP and MNE: Results of a Blind Test.* Paper presented at the 82nd Annual Meeting of the Society for American Archaeology, Vancouver (Canada), March 30th, 2017.
- 2017\* Morin, Eugène, Elspeth Ready, **Arianne Boileau**, Cédric Beauval, and Marie-Pierre Coumont. *The Number of Distinct Elements (NDE): An Alternative Measure of Faunal Abundance.* Paper presented at the 82nd Annual Meeting of the Society for American Archaeology, Vancouver (Canada), March 30th, 2017.
- 2016 **Boileau, Arianne.** *Creatures from the Lagoon: Maya Turtle Exploitation at Lamanai, Belize.* Paper presented at the 81st Annual Meeting of the Society for American Archaeology, Orlando (Florida), April 9th, 2016.
- 2015 Walker, Karen, William Marquardt, Melissa Ayvaz, **Arianne Boileau**, Ann Cordell, Donna Ruhl, and Mike Savarese. *Episodic Habitation in an Eolian Environment, 1350 BC–AD 900, Useppa Island, Coastal Southwest Florida.* Poster presented at the 80th Annual Meeting of the Society for American Archaeology, San Francisco (California), April 17th, 2015.
- 2014 **Boileau, Arianne.** *Taphonomic Analysis of Animal Bones in the Neotropics: A Case Study from the Maya Site of Pacbitun, Belize.* Poster presented at the 12th International Conference of Archaeozoology, San Rafael (Argentina), September 26th, 2014.
- 2014 **Boileau, Arianne.** *Maya Animal Exploitation during the Middle Preclassic Period: Prey Choice and Transport Decisions at Pacbitun, Belize.* Paper presented at the 79th Annual Meeting of the Society for American Archaeology, Austin (Texas), April 26th, 2014.
- 2012\* **Boileau, Arianne.** *Middle Preclassic Exploitation of Animal Resources: Preliminary Results from Pacbitun, Belize.* Paper presented at the 77th Annual Meeting of the Society for American Archaeology, Memphis (Tennessee), April 19th, 2012.

## INVITED TALKS

- 2023 *Turtle Tales: The Multifaceted Role of Freshwater Turtles in the Ancient Maya World.*

Arianne Boileau

- Department of Anthropology, University of British Columbia, October 26<sup>th</sup>, 2023.
- 2022 *Environmental Archaeology in the Maya World*. Ohana Institute 2022 Earth Day Conference, April 22nd, 2022.
- 2021 *An Introduction to Effective Mentoring in Archaeology*. SAA's Online Seminar Series, September 30th, 2021.

## CAMPUS TALKS

- 2022 *Indigenous Maya Resilience on the Edge of an Empire*. Invited talk presented at the Fall Department of Archaeology Seminar Series, Simon Fraser University, Burnaby (BC, Canada), October 20th, 2022.
- 2021 *Colonial Life on the Fringe: Insights from Zooarchaeology at Lamanai, Belize*. Invited talk presented at the 2021 Graduate Student Lightning Talk, Florida Museum of Natural History, University of Florida, Gainesville (Florida), February 12th, 2021.
- 2019 *Spinning in Circles (or Not): Examining the Possible Function of Maya Perforated Bone Disks as Spindle Whorls*. Paper presented at the 2019–2020 FASA colloquium series, Department of Anthropology, University of Florida, Gainesville (Florida), November 22nd, 2019.
- 2019 *Life on the Edge: Documenting Indigenous Community Dynamics on the Maya/Spanish Frontier of Yucatán*. UF Synergies Series 2019–2020, Center for the Humanities and the Public Sphere, Gainesville (Florida), September 23rd, 2019.
- 2018 *Taphonomy to the Rescue of Shallow Stratigraphies*. Paper presented at the 2018–2019 FASA colloquium series, Department of Anthropology, University of Florida, Gainesville (Florida), November 11th, 2018.
- 2015 *Maya Use of Animal Resources in Late Postclassic-Spanish Colonial Times: Preliminary Research at Lamanai, Belize*. Invited poster at the Center for Latin American Studies 2015 Field Research Clinic, Gainesville (Florida), February 13th, 2015.
- 2014 *Recovery Testing at Lamanai, Belize*. Paper presented at the 2nd Florida Museum of Natural History Student Retreat, Gainesville (Florida), September 14th, 2014.

## RESEARCH EXPERIENCE

- 2023–present **Principal Investigator**. Zooarchaeology by Mass Spectrometry (ZooMS) of modern and archaeological turtles to develop new collagen biomarkers and increase the identification rate of turtle remains. In collaboration with Kitty Emery (Florida Museum of Natural History) and John Krigbaum (University of Florida).
- 2023–present **Collaborator**. CAMBIO (Caribbean & Mesoamerica Biogeochemical Isotope Overview) Project, collecting faunal isotopic data from archaeological sites across Mesoamerica and the Caribbean for open access. Project Directors: Claire Ebert, University of Pittsburgh, and Sean Hixon, Max Planck Institute of Geoanthropology.



- 2021–present **Principal Investigator and Lead Zooarchaeologist.** Mesoamerican River Turtle Project, leading a multi-site zooarchaeological, paleogenetic, and isotopic analysis of river turtles in Mesoamerica. In collaboration with Dongya Yang (Simon Fraser University), Kitty Emery (Florida Museum of Natural History), Michael Richards (Simon Fraser University), and the Smithsonian Tropical Research Institute (Ashley Sharpe). Funded by a SSHRC Insight Development Grant.
- 2019–present **Principal Investigator.** Zooarchaeology by Mass Spectrometry (ZooMS) of modern and archaeological passerine bird remains to develop new collagen biomarkers and increase the identification rate of turtle remains. In collaboration with Kitty Emery (Florida Museum of Natural History), Michael Buckley (University of Manchester), and John Krigbaum (University of Florida).
- 2019 **Visiting Researcher.** Archivo General de Indias (Seville, Spain), transcription of 16th- and 17th-century Spanish records.
- 2018–2021 **Zooarchaeology Research Assistant.** FuTRES, data mobilization of archaeological animal remains for biological and anthropological research. Project co-directors: Rob Gulranick and Kitty Emery, Florida Museum of Natural History.
- 2018–2021 **Zooarchaeology Research Assistant.** La Joyanca (Guatemala), zooarchaeological identification of passerine bird bones. Project director: Charlotte Arnauld, Université Toulouse-Le Mirail, Supervisor: Kitty Emery, Florida Museum of Natural History.
- 2018 **Zooarchaeology Research Assistant.** Proyecto Guajalote Mesoamericano (Mexico), inventory of turkey remains in Mexican zooarchaeological collections and collection of DNA samples from modern turkeys. Project co-directors: Erin Thornton, Washington State University, and Kitty Emery, Florida Museum of Natural History.
- 2016–17 **Archival Research Assistant.** University of Florida Libraries and Environmental Archaeology Program, Florida Museum of Natural History.
- 2016 **Zooarchaeology Research Assistant.** Everglades Restoration Transition Project (Florida, Army Corps of Engineers), zooarchaeological identifications of Southeastern USA fauna. Supervisors: Kitty Emery, Meggan Blessing, Nicole Cannarozzi, and Michelle Lefebvre, Florida Museum of Natural History.
- 2014–present **Lead Zooarchaeologist.** Lamanai Archaeological Project (Belize), current project on past Maya turtle use. Former project: zooarchaeological and isotopic analysis for dissertation research on the impact of colonialism on Indigenous political economy. Project Director: Elizabeth Graham, University College London.
- 2013–2015 **Zooarchaeology Research Assistant.** La Joyanca (Guatemala), zooarchaeological identifications of Classic-period fauna and report writing. Project Director: Charlotte Arnauld, Université Toulouse-Le Mirail, Supervisor: Kitty Emery, Florida Museum of Natural History.

- 2014 **Zooarchaeology Research Assistant.** Punta Picata and Tacahuay Tambo (Peru), zooarchaeological identifications of bird remains. Project Director and Supervisor: Susan deFrance, University of Florida.
- 2013–2014 **Zooarchaeology Research Assistant.** Zacpeten (Guatemala), zooarchaeological identifications of Postclassic/Colonial fauna. Project Director: Timothy Pugh, City University of New York, Supervisor: Susan deFrance, University of Florida.
- 2013 **Zooarchaeology Research Assistant.** Useppa Island (Florida), zooarchaeological identifications of Terminal Archaic fauna and report writing. Project Co-directors: William Marquardt and Karen Walker, Florida Museum of Natural History. Supervisor: Susan deFrance, University of Florida.
- 2013 **Zooarchaeology Research Assistant.** Le Piage (France), zooarchaeological identification of fauna dating to the Middle to Upper Paleolithic transition in SW France. Project Co-directors: Jean-Guillaume Bordes, Université Bordeaux I and Foni Le Brun-Ricalens, Centre National de Recherches Archéologiques, Luxembourg, Supervisor: Eugène Morin, Trent University.
- 2011–2013 **Lead Zooarchaeologist.** Pacbitun Regional Archaeological Project (Belize), zooarchaeological and taphonomic analysis for master’s research. Project Director: Terry Powis, Kennesaw State University, Supervisor: Eugène Morin, Trent University.

## FIELDWORK EXPERIENCE

- 2014 Excavator and Lab Work, Lamanai Archaeological Project (Belize), University College London and University of Arizona, Co-Project Directors: Elizabeth Graham and Tracie Mayfield
- 2013 Excavator and Lab Work, Roche à Pierrot (France), PACEA and Trent University, Co-Project Directors: François Bachelier and Eugène Morin
- 2011 Field and Lab Assistant, Pacbitun Regional Archaeological Project (Belize), Kennesaw State University, Project Director: Terry Powis
- 2011 Field and Lab Assistant, Social Archaeological Research Program (Belize), Trent University, Project Director: Gyles Iannone
- 2010 Excavator and Lab Work, Le Piage (France), Université Bordeaux 1, Co-Project Directors: Jean-Guillaume Bordes and Foni Le Brun-Ricalens
- 2010 Junior Field Supervisor, Social Archaeological Research Program (Belize), Trent University, Project Director: Gyles Iannone

## TEACHING EXPERIENCE

### Instructor, Mount Royal University

Ancient Peoples and Places  
Methods in Archaeology

Winter 2023, Fall 2023, Winter 2024  
Fall 2023

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Topics in Archaeology: Zooarchaeology	Winter 2023, Winter 2024
<b>Instructor, University of Florida</b> Language and Culture (online)	Spring 2019, Summer A 2019, Spring 2020
<b>Teaching Assistant, University of Florida</b> Skeleton Keys (online)	Summer B 2018
<b>Teaching Assistant, Trent University</b> Archaeology Archaeological Field School Biological Anthropology and Archaeology Introduction to Socio-Cultural Anthropology	Fall 2011, Spring 2012 Summer 2010, Summer 2011 Spring 2011 Fall 2010
<b>Teaching Assistant, Kennesaw State University</b> Archaeological Field School	Summer 2011

## PROFESSIONAL SERVICE

### Peer Review

Journals including: *Ancient Mesoamerica*, *Archéologiques*, *Canadian Journal of Archaeology*, *Journal of Archaeological Method and Theory*, *Journal of Ethnobiology*, *Latin American Antiquity*

Book publishers including: Sidestone Press (one chapter)

### Grant Review

2022 Graduate Women in Science (GWIS) National Fellowship Program (one proposal)

### Journal/Society Service

2023–present Society for Archaeological Sciences (SAS) Delegate to CLAAS  
 2022–present Research Director, Canadian Latin American Archaeology Society (CLAAS)  
 2020–2021 Social Media Coordinator, *New Florida Journal of Anthropology*

### Departmental Service

2023–present Making the Most of Your Major Committee, Mount Royal University  
 2023–present The Humphreys Memorial Scholarship in Archaeology Committee, Mount Royal University  
 2020 Graduate Student Representative in Anthropology, panel about graduate school at the Florida Museum Welcome Back Social, University of Florida  
 2018–2019 Graduate Student Representative, search committee for a new curator in archaeology, Florida Museum of Natural History  
 2018 Mentor, offering advice to undergraduate students in archaeology one hour per

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- month, organized by uFASA (undergraduate Florida Anthropology Student Association)
- 2017–2018 Graduate Student Representative, workshop on graduate school in anthropology, organized by uFASA (undergraduate Florida Anthropology Student Association)
- 2015–2018 Graduate Student Representative on the Florida Museum of Natural History Seminar Committee
- 2014–2017 Assistant Curator of Permanent Photography Exhibit (display of photos of graduate student and faculty anthropological fieldwork), University of Florida
- 2014–2015 Faculty Meeting Student Representative, Florida Anthropological Student Association, University of Florida
- 2014–2015 Colloquium Coordinator, Florida Anthropological Student Association, University of Florida
- 2015 Member of Organizing Committee, 44th Annual 2015 Charles H. Fairbanks Armadillo Roast, University of Florida

### University Service

- 2023–present Departmental Representative, Endeavour Fund and AADS Committee, Mount Royal University
- 2020 Graduate Student Representative, panel about graduate school in HUM2930 - Special Topics in Fine Arts: Research & Creativity (Summer B and Fall 2020), University of Florida
- 2019 Graduate Student Representative, panel about graduate school in ANT3930 / BOT4935 / BSC2930 / ZOO4926 Curatorial Methods–Intro to Natural History Museums, University of Florida

### MEDIA APPEARANCE

- 2023 [Calgary archaeologist launches foundation to support female field researchers](#), *CTV News*, March 29.
- 2021 [La zooarchéologie](#), *Super Spécialiste Podcast*, June 22.

### PUBLIC OUTREACH

- 2023 Designed a bilingual (English/Spanish) poster in collaboration with the Belize Institute of Archaeology and Florida Museum of Natural History for the Lamanai Archaeological Reserve Museum in Belize. English Title: *The Maya and Animals During the Colonial Period*.
- 2019 Representative for the Environmental Archaeology Program (presenting research to high schoolers visiting the Florida Museum), *Florida Regional Junior Science, Engineering and Humanities Symposium*, Florida Museum of Natural History
- 2017 Coordinator for the Environmental Archaeology Program, *4th Annual Archaeologists for Autism* Event, Merritt Island (Florida)

- 2017 Representative for the Environmental Archaeology Program (display of environmental archaeology research in a lab space inside the temporary exhibit), *Rare, Beautiful & Fascinating: 100 Years @Florida Museum*, Florida Museum of Natural History
- 2017 Coordinator for the Environmental Archaeology Program, *2017 Silver Springs State Park Knapp In*, Silver Spring State Park (Florida)
- 2016 Representative for the Environmental Archaeology Program, *3rd Annual Archaeologists for Autism* Event, Merritt Island (Florida)
- 2015–2016 Coordinator for the Environmental Archaeology Program, *Earth Day* Event, Florida Museum of Natural History
- 2015 Coordinator for the Environmental Archaeology Program, *She's A Scientist: A Girl Scout Exploration*, Florida Museum of Natural History
- 2015 Representative for the Environmental Archaeology Program, Opening of the *First Colony* exhibit, Florida Museum of Natural History
- 2013 Participant (showcase of personal research), Tour of the Florida Museum of Natural History organized for the National Conference of Science Writers (November 1, 2013)
- 2013 Science communication and interactions with the public about archaeological excavations at the Roche à Pierrot, France (July 2013)

## LANGUAGES

French	Native language
English	Fluent
Spanish	Advanced reading; intermediate writing and speaking

## MEMBERSHIPS

Association for Environmental Archaeology, 2016– present  
 Canadian Archaeological Association, 2016–present  
 Canadian Latin American Archaeology Society, 2021–present  
 International Council of Archaeozoology, 2009–present  
 Register of Professional Archaeologists, 2017–present  
 Sigma Xi, the Scientific Research Society, 2015–present  
 Society for American Archaeology, 2011–present  
 Society for Archaeological Sciences, 2023–present  
 Society of Ethnobiology, 2016–present