

Lauren Edith Young Norman

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EDUCATION

- 2015 Ph.D., Department of Anthropology, University of Toronto.
- 2009 M.Sc., Department of Anthropology, University of Toronto.
- 2006 B.A., Department of Anthropology, University of Victoria.

PROFESSIONAL APPOINTMENTS

- 2019-present Visiting Assistant Professor, Department of Anthropology, University of Kansas.
- 2016-2019 Post-Doctoral Researcher, Department of Anthropology, University of Kansas.

PUBLICATIONS

Peer-Reviewed Journal Articles

- In press Unkel, Sarah L., **Lauren E. Y. Norman**, Justin Tackney, Anthony M. Krus, Anne E. Jensen, Claire Alix, Owen Mason, and Dennis O'Rourke. Genetic analysis of Birnirk Inuit from the Alaskan North Slope. *Arctic*.
- 2021 Reuther, Joshua D., Scott Shirar, Owen K. Mason, Shelby Anderson, Joan B. Coltrain, Adam Freeburg, Peter M. Bowers, Claire Alix, Christyann M. Darwent, and **Lauren E. Y. Norman**. Marine reservoir effects in seal (Phocidae) bones in the northern Bering and Chukchi Seas, northwestern Alaska. *Radiocarbon* 63(1): 301-309.
- 2020 Vanlandeghem, Marine, Bruno C. Desachy, Tammy Y. Buonasera, **Lauren E. Y. Norman**, Isabelle Théry-Parisot, Alain Carré, Christopher Petit, Michelle Elliott, and Claire Alix. Ancient arctic pyro-technologies: Experimental fires to document the impact of animal origin fuels on wood combustion. *Journal of Archaeological Science: Reports*. 33: 102414.

- 2020 Braymer-Hayes, Katelyn, Shelby Anderson, Claire Alix, Christyann M. Darwent, John Darwent, Owen Mason, and **Lauren E. Y. Norman**. Studying pre-contact gendered use of space in the Arctic: Spatial analysis of ceramics in northwestern Alaska. *Journal of Anthropological Archaeology*. 58: 101165.
- 2018 Comparing the fill and floor: Using a taphonomic framework to identify occupational histories at a collapsed semi-subterranean feature in northwest Alaska. *International Journal of Osteoarchaeology*. 28: 782-792.
- 2018 Using ethnohistoric documents as analogical tools: A case study from northwest Alaska. *Journal of Anthropological Archaeology* 51: 1-15.
- 2017 **Norman, Lauren E. Y.**, T. Max Friesen, Claire Alix, Michael J. E. O'Rourke, and Owen K. Mason. An early Inupiaq occupation: Observations on a Thule house from Cape Espenberg, Alaska. *Open Archaeology* 3: 17-48.
- 2016 Friesen, T. Max, and **Lauren E. Y. Norman**. The Pembroke Site: Thule Inuit Migration on Southern Victoria Island. *Arctic* 69(1):1-18.
- 2010 **Norman, Lauren**, and T. Max Friesen. Thule fishing revisited: The economic importance of fish at the Pembroke and Bell sites, Victoria Island, Nunavut. *Geografisk Tidsskrift-Danish Journal of Geography* 110(2): 261-278.
- 2003 Rupert, J. L., K. Kidd, **L. E. Norman**, M. V. Monsalve, P. W. Hochachka, and D. V. Devine. Genetic polymorphisms in the renin-angiotensin system in high-altitude and low-altitude Native American populations. *Annals of Human Genetics* 67(1): 17-25.

Book Chapters

- 2018 Alix, Claire, Owen K. Mason, and **Lauren E. Y. Norman**. Whales, wood, and baleen in northwestern Alaska: Reflection on whaling through wood and boat technology at the Rising Whale site. In *Whale on the Rock II*, edited by Sang-Mog Lee, pp. 39-66. Ulsan Petroglyph Museum.

Book Reviews

- 2016 Review of *The Wales, Alaska, Archaeology Project, 1996-2006*, by Roger K. Harritt, 2015. *Alaska Journal of Anthropology* 14(1&2): 133-134.

In Submission

- Norman, Lauren E. Y.**, and Kelly A Eldridge. Architecture anchors: The built environment of the Thule Inuit. In *More Than Shelter from the Storm: Hunter-Gatherer Houses and the Built Environment*, edited by Danielle Macdonald and Brian Andrews. University of Florida Press.

Norman, Lauren E. Y., Christopher E. Barrett, Sarah Ragsdale, Anne M. Jensen, Dennis H. O'Rourke, and Jennifer Raff. Ethical aspects of community-based paleogenomics research using museum samples. In *Contextualizing Museum Collections at the Smithsonian Institution: The Relevance of Collections-Based Research in the 21st Century*, edited by Maria M. Martinez, Eric Sears, and Lauren Sieg. Smithsonian Institute.

O'Rourke, Dennis H., Justin Tackney, and **Lauren E. Y. Norman**. An Arctic lens for the American migration: Integrating genomics, archaeology, and paleoecology. In *Human Migration: Biocultural Perspectives*, edited by Lourdes Munoz Moreno and Michael H. Crawford. Oxford University Press.

FUNDING AND AWARDS

Selected Grants

- 2019 Research-Intensive Course Grant, Human Variation and Evolution, Center for Undergraduate Research, College of Liberal Arts and Science, University of Kansas, \$1,000.
- 2018 Co-investigator, *Ancient Alaskan Origins and Expansion: Re-Aligning Archaeological and Genetic Evidence* (PI: Jennifer Raff), Discipline Specific Research (DSR), 2019 Research Excellence Initiative in the College of Liberal Arts and Science, University of Kansas, \$12,000.
- 2018 Genome Sequencing Core Laboratory Voucher, Center for Molecular Analysis of Disease Pathways, University of Kansas, \$5,375.
- 2015, '14, '13 Ph.D. Conference Grant, Department of Anthropology, University of Toronto, \$1,200, \$840, \$1000.
- 2012 School of Graduate Studies Conference Grant, University of Toronto, \$200.
- 2012 School of Graduate Studies Travel Grant, University of Toronto, \$3,000.
- 2012 Ph.D. Dissertation Grant, Department of Anthropology, University of Toronto, \$1,500.
- 2011, 2010 Northern Science Training Program Grant, University of Toronto, \$3,000; \$2,900.
- 2010 Ph.D. Pilot Research Grant, Department of Anthropology, University of Toronto, \$3,714.

Selected Scholarships & Fellowships

- 2014 Doctoral Completion Award, Department of Anthropology, University of Toronto, \$4,545.

- 2013 Ontario Graduate Scholarship, Government of Ontario, Department of Anthropology, University of Toronto, \$45,000.
- 2013, 2012 University of Toronto Fellowship, Department of Anthropology, \$8,638, \$5,000.
- 2009 Joseph-Armand Bombardier Canadian Graduate Scholarship—Doctoral, Social Sciences and Humanities Research Council, Department of Anthropology, University of Toronto, \$105,000.
- 2009 Ontario Graduate Scholarship, Government of Ontario, Department of Anthropology, University of Toronto, \$15,000 (Declined).
- 2009 C.B. MacPherson Graduate Admission Award, University of Toronto, \$3,500.
- 2008 Ontario Graduate Scholarship—Thomas and Beverly Simpson Award, Government of Ontario, Department of Anthropology, University of Toronto, \$15,000.
- 2007 Canadian Graduate Scholarship—Master’s, Social Sciences and Humanities Research Council, Department of Anthropology, University of Toronto, \$17,500.
- 2007 C.B. MacPherson Graduate Admission Award, University of Toronto, \$3,000.

Awards & Honours

- 2013 Teaching Assistant Award, Department of Anthropology, University of Toronto, \$200

INVITED TALKS

- 2020 From *maktak* to *natchiq*: Wellness Persistence and Changing Subsistence Strategies in Northwest Alaska, Department of Anthropology, University of Washington, February 24.
- 2019 Shifting Social Landscapes: Changes in Subsistence Strategies and Group Identity in Northwest Alaska, Department of Archaeology & Anthropology, University of Saskatchewan, January 31.
- 2016 Beyond Subsistence: Interpretations of Past Animal and Human Lifeways from Arctic Archaeofaunas, Department of Anthropology, University of Tulsa, March 4.
- 2012 Ethnography, Analogy, and Arctic Archaeofaunas: Assessing the Limits of Zooarchaeological Interpretation, Museum of the North, University of Alaska Fairbanks, Mammalogy Department, June 21.

SELECTED CONFERENCE ACTIVITY

Papers

- 2021 Alix, Claire, Tony Krus, **Lauren Norman**, Owen Mason, Juliette Taïeb, Shelby Anderson. The Birnirk to Thule transition as viewed from two adjacent houses at Cape Espenberg. Society for American Archaeology 86th Annual Meeting, San Francisco, CA, online, April 15-17.
- 2019 Early Thule Inuit architecture: An anchor in migration and movement. Society for American Archaeology 84th Meeting, Albuquerque, NM, April 10-14.
- 2019 **Norman, Lauren**, Owen K. Mason, and Claire Alix. What do whales have to do with it? Examining the evidence for whale hunting at the Rising Whale site. 46th Annual Meeting of the Alaska Anthropological Association, Nome, AK, February 27-March 2.
- 2018 **Norman, Lauren**, Owen K. Mason, and Claire Alix. Whales within and without: Subsistence and symbolism of whales in a Birnirk dwelling, northwest Alaska. XVIII^o World Congress of the Union Internationale des Sciences Préhistoriques et Protohistoriques, Paris, France, June 4-9.
- 2018 **Norman, Lauren**, Claire Alix, and Owen K. Mason. Birnirk and Early Thule maritime hunter-gatherers: Variability in subsistence practices and tool technologies at Cape Espenberg, Alaska. XVIII^o World Congress of the Union Internationale des Sciences Préhistoriques et Protohistoriques, Paris, France, June 4-9.
- 2017 Arctic Analogies: Assessing the use of ethnohistoric sources to reconstruct activities in early Thule dwellings. 50th Meeting of the Canadian Archaeological Association, Ottawa, ON/Gatineau, QC, May 10-13.
- 2017 **Norman, Lauren**, Claire Alix, and Owen Mason. From Caribou to Seal: The implications of changes in subsistence focus from Birnirk to Thule at Cape Espenberg. Society for American Archaeology 82nd Meeting, Vancouver, BC, March 29-April 2.
- 2017 **Norman, Lauren**, Owen Mason, and Claire Alix. Fauna from the Cape: Variations in early Thule focal resources. 44th Meeting of the Alaska Anthropological Association, Fairbanks, AK, February 26-March 2.
- 2016 Beyond the House: Similarities and differences in midden and house archaeofaunal assemblages. 49th Meeting for the Canadian Archaeological Association, Whitehorse, YK, May 4-7.
- 2015 Ethnohistoric Designations of Cape Espenberg: Using subsistence patterns to investigate territorial divisions. 48th Meeting for Canadian Archaeological Association, St. John's, NL, April 29-May2.

- 2014 Constructing zooarchaeological life-histories: An Arctic case study. 12th International Conference of Archaeozoology, San Rafael, Argentina, September 22-27.
- 2014 Study of a house: Spatial patterning of a Western Thule winter dwelling. Society for American Archaeology 79th Meeting, Austin, TX, April 23-27.
- 2013 Seals and the Rest: Initial explorations of the archaeofaunal assemblage from Feature 87. Alaska Anthropological Association 40th Meeting, Anchorage, AK, March 13-16.
- 2012 Seasonal Spaces: A comparison of the archaeofaunal spatial patterning of cold- and warm-season dwellings at the Pembroke Site, Nunavut. Canadian Archaeological Association, Montréal, QC, May 16-20.
- 2012 Williams, Andrea, Ivan Kalmar, **Lauren Norman**, Susan Beckwith. Enhancing Student Learning and Engagement with an Effective Teaching Team. A Case Study of Collaborative Teaching in a Large First-Year Course. Teaching & Learning Symposium, University of Toronto, November 5th.

Posters

- 2021 Barrett, Christopher, Justin Tackney, **Lauren Norman**, Kristine G. Beaty, Jennifer Raff, and Dennis O'Rourke. Preliminary ancient mitochondrial DNA diversity and stable isotopes from the Western Aleutians. 90th Annual Meeting of the American Association of Physical Anthropologists, Baltimore, MD and online, April 7-28.
- 2021 Unkel, Sarah L., **Lauren E. Y. Norman**, Justin Tackney, Anne M. Jensen, Claire Alix, Owen Mason, and Dennis H. O'Rourke. Genetic contribution of the Alaskan North Slope Birnirk population to the Inuit tradition. 46th Annual Meeting of the Alaska Anthropological Association, online, March 1-5.
- 2019 Kisielinski, Caroline Ashley, Justin Tackney, **Lauren Norman**, and Dennis H. O'Rourke. Application of sedaDNA to differentiate between ancient Arctic material cultural traditions. American Geophysical Union 100th Fall Meeting, San Francisco, CA, December 9-13.
- 2019 Ragsdale, Sarah L., **Lauren E. Y. Norman**, Justin C. Tackney, Dennis H. O'Rourke. Ancient genetic analysis of the northwest Alaskan Birnirk to Thule archaeological transition. American Association of Physical Anthropologists 88th Meeting, Cleveland, OH, March 27-30.

CAMPUS TALKS

- 2017 From Land to Sea: Causes and Consequences of Changes in Subsistence at Cape Espenberg, Alaska, Explorations in Archaeology, University of Kansas, March 9.
- 2014 Critically Engaging the Ethnographic Record: A Case Study in Arctic Faunal Spatial Patterning, Archaeology Centre Research Day, Archaeology Centre, University of Toronto, February 28.
- 2010 Seasonality in the Arctic: A case study of the Pembroke site, Victoria Island, Nunavut, Faunal Interest Group, Archaeology Centre, University of Toronto, November 5.
- 2009 Terrestrially-Oriented Early Thule Inuit: A preliminary analysis of the Pembroke Site (NiNg-2), Cambridge Bay, Nunavut, Arctic Student Network Research Symposium, University of Toronto, April 15.

RESEARCH EXPERIENCE

- 2016-present Faunal analyst and modern and ancient DNA researcher for Collaborative Research: People, Landscape and Narratives in Time—Birnik and the emergence of Inupiaq culture in northwest Alaska, NSF Polar Program.
- 2020, 2021 Archaeologist on crew at San Esteban Rockshelter, Texas for the ODYSSEY Archaeological Research Fund, Kansas Geological Survey, University of Kansas.
- 2019 Archaeologist on crew for preliminary field assessment of Bluefish Caves, Yukon for the ODYSSEY Archaeological Research Fund, Kansas Geological Survey, University of Kansas.
- 2016, 2017 Crew chief for Collaborative Research: People, Landscape and Narratives in Time—Birnik and the emergence of Inupiaq culture in northwest Alaska, NSF Polar Program.
- 2013-2017 Faunal analyst for Dynamic Inuit Social Strategies in Changing Environments: A Long-Term Perspective, International Polar Year, Nunavut.
- 2015 Faunal analyst for the shìshàlh (Sechelt) Archaeology Project with the Canadian Museum of History/Musée Canadien de l'Histoire.
- 2015 TATP Assistant, Centre for Teaching Support & Innovation, University of Toronto.
- 2011-2015 Faunal analyst for Human Response to Climate Change at Cape Espenberg AD 800-1400, International Polar Year, Alaska.

- 2011 Crew chief/field crew member for Human Responses to Climate Change at Cape Espenberg AD 800-1400, International Polar Year, Alaska.
- 2010, 2008 Field crew member for the project Dynamic Inuit Social Strategies in Changing Environments: A Long-Term Perspective, International Polar Year, Nunavut.
- 2007 Field crew member for Iqaluktuuq Archaeology Project, Kitkimeot Heritage Society, Nunavut.
- 2007 Archaeological Collections Management Assistant, Royal BC Museum, Victoria
- 2005 Field crew member for the Acari Valley Project, Peru.
- 2003 Field crew member for the Lubbock Lake Landmark, Texas, USA.
- 2000 Assistant researcher with the Heart and Stroke Foundation of BC and the Yukon at the University of British Columbia.

TEACHING EXPERIENCE

University of Kansas, Instructor

Integrating Anthropology (capstone)
 Human Variation and Evolution
 Fundamentals of Biological Anthropology
 Pedagogical Workshops for Graduate Teaching Assistants

University of Toronto, Instructor

Introduction to Anthropology: Becoming Human
 Exploring Human-Animal Interactions

University of Kansas, Course Supervision for Graduate Teaching Assistants

General Anthropology
 Fundamentals of Biological Anthropology

University of Toronto, Head Teaching Assistant

Introduction to Anthropology

University of Toronto, Science Team Trainer

Teaching Assistants' Training Program, Centre for Teaching Support & Innovation

University of Toronto, Teaching Assistant

Introduction to Anthropology

Introduction to Anthropology: Becoming Human
Faunal Archaeo-Osteology
Becoming Human: Introduction to Biological Anthropology and Archaeology
First Nations of North America: Hunters, Gatherers, and Farmers
First Nations of North America: Social Complexity and the State
Human Skeletal Biology

PROFESSIONAL SERVICE

Peer Review

Science, Quaternary International, Quaternary Research, Arctic, Études/Inuit/Studies, Arctic Anthropology, Open Quaternary, Alaska Journal of Anthropology, Open Archaeology, Anthropozoologica.

Ad-Hoc Review

National Science Foundation, 2017.

Expert Review

National Geographic Kids Animal Encyclopedia (Mammals), 2019.

DEPARTMENTAL/UNIVERSITY SERVICE

Graduate Committee, Department of Anthropology, University of Kansas, 2020, 2021.

CTE Ambassador to Anthropology, University of Kansas, 2020, 2021.

ODYSSEY Archaeological Research Fund Advisory Board, Kansas Geological Survey, University of Kansas, 2020, 2021.

Undergraduate Committee, Department of Anthropology, University of Kansas, 2019.

Ad hoc Anthropology Research Group for Bio-Archaeological Studies, Department of Anthropology, University of Kansas, 2016.

Advisory Search Committee Member to the President for the Vice-President, Research and Innovation, University of Toronto, Graduate Student Member, 2014-2015.

STEP Forward Coordinator, Department of Anthropology, University of Toronto, 2014-2015.

Search Committee for a Limited Term Lecturer—Archaeology, Department of Anthropology, University of Toronto, Graduate Student Representative, 2014.

STEP Forward Proposal Evaluation Committee, Faculty of Arts and Science, University of Toronto, Graduate Student Representative, 2014.

STEP Forward Committee, Faculty of Arts and Science, University of Toronto, Graduate Student Representative, 2013-2014.

Advisory Committee for the Director of the Archaeological Centre, Faculty of Arts and Science,

University of Toronto, Graduate Student Representative, 2012.

EXTRACURRICULAR UNIVERSITY SERVICE

Social Coordinator, Anthropology Graduate Student Union, University of Toronto, 2010-2011.

Treasurer, Arctic Student Network, University of Toronto, 2008-2011.

Co-President, Anthropology Graduate Student Union, University of Toronto, 2008-2009.

Graduate Student Union Representative, Anthropology Graduate Student Union, University of Toronto, 2007-2008.

COMMUNITY OUTREACH

Cinema & Science + ARCTIC, Movie screening and Q&A discussion, Museum at Prairiefire, Overland Park, Kansas, 2019.

Sarah Ragsdale, **Lauren Norman**, Justin Tackney, Claire Alix, Owen Mason, and Dennis H. O'Rourke, An ancient genetic analysis of Thule individuals at Cape Espenberg, Alaska, Poster, Shishmaref, Alaska, 2019.

Out of the Field: Preliminary Results of the 2017 Field Season of the Cape Espenberg Birnirk Project, National Park Service, Nome, Alaska, 2017.

Community Workshop: Results of the 2017 Field Season of the Cape Espenberg Birnirk Project, Shishmaref, Alaska, 2017.

Cape Espenberg Archaeology Project: A Report on the 2016 Field Season, National Park Service, Kotzebue, Alaska, 2017.

Who are the Thule? Origins and Diversity of the Ancestors of Modern Inuit, Men's Breakfast Group, Cadboro Bay United Church, Victoria, BC, 2017.

Community Workshop: Results of the 2016 Field Season of the Cape Espenberg Birnirk Project, Shishmaref, Alaska, 2016.

Anthropological Archaeology: Studying Past Human Activities, TAIE International Institute, Toronto, ON, 2014.

MEDIA & IMPACT

Press Coverage

NPR: All Things Considered (2017/12), The Atlantic (2017/04).

Other Media

Guest post "Conferencing in Nome" in My Life in the GeoSciences blog (2019/03).

RELATED PROFESSIONAL SKILLS

2019 Adult and Pediatric First Aid/CPR/AED from American Red Cross.

- 2018 Bioinformatics Workshop for Next Generation Sequencing (NGS), University of Kansas.
- 2018 Bayesian Chronological Modeling Workshop, Society for American Archaeology, University of Glasgow, and SUERC.
- 2018 Software Carpentry, KU Libraries, University of Kansas.
- 2013 Wilderness First Aid CPF/AED Level C.
- 2010 Advanced Wilderness and Remote First Aid CPR/AED Level C.
- 2007 Canadian Firearms Safety Course for the Possession and Acquisition Licence.

SELECTED PEDAGOGICAL TRAINING

- 2021 Revolutionizing Academia: Engaging Anti-Racism and Restructuring Curricular Practices, Dr. Chanelle Wilson, Center for Teaching Excellence, University of Kansas.
- 2021 CTE's Winter 2021 Flexible Course Design Camp, University of Kansas.
- 2020 Creating Classroom Community, Center for Teaching Excellence, University of Kansas.
- 2020 Teaching in a Transformed World, KU Teaching Summit, University of Kansas.
- 2020 Designing Inclusive and Equitable Online and Hybrid Courses
- 2019 Student Writing in the Classroom, Center for Teaching Excellence, University of Kansas.
- 2019 Engaging and Motivating Students, Center for Teaching Excellence, University of Kansas.
- 2019 How to Keep Students Motivated Online, Center for Online and Distance Learning, University of Kansas.
- 2014 Advanced University Teaching Preparation Certificate, Teaching Assistants' Training Program, Centre for Teaching Support & Innovation, University of Toronto.
- 2013 Teaching in Higher Education, Woodsworth College, University of Toronto.

LANGUAGES

English: first language.

French: advanced reading, intermediate speaking, and writing.

Spanish: intermediate reading, beginner speaking and writing.

PROFESSIONAL AFFILIATIONS

Society for American Archaeology (2011)

Canadian Archaeological Association (2012)

Alaska Anthropological Association (2013)
International Council for Archaeozoology (2014)
American Association of Physical Anthropologists (2015)
Association of Polar Early Career Scientists (2015)
National Postdoctoral Association (2015)
Union Internationale des Science Préhistorique et Protohistoriques (2017)