

Dr. Jocelyn S. Williams
Associate Professor of Anthropology

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h-index: 10

I am a human bioarchaeologist who studies both mummified and skeletonized human remains to better understand how people lived and died in the past and how this relates to living populations/descendent communities. My research is focused primarily on food and health, but I am also interested in human mobility and communities particularly during periods of political/cultural transition (e.g., colonization) and environmental change/catastrophe. My methodological expertise is in both osteology (including paleopathology) and stable isotope analysis, and I work in the Americas and the Caribbean. I have a particular interest in infant feeding practices (breastfeeding and weaning), the biological, cultural, and social impact of Inka imperialism and Spanish/British colonialism on both ancient and living populations. My research is influenced by theories such as: queer theory, feminist theory, the biocultural approach, the new mobilities paradigm, the archaeology of communities, the bioarchaeology of colonialism and the bioarchaeology of care.

Education

2005 PhD	Department of Archaeology, University of Calgary, Calgary, Alberta Supervisor: Dr. M.A. Katzenberg Title: Investigating Diet and Dietary Change Using the Stable Isotopes of Carbon and Nitrogen in Mummified Tissues from Puruchuco-Huaquerones, Peru.
2000 MA	Department of Anthropology, Western University, London, Ontario Supervisors: Dr. C.D. White (Anthropology) and Dr. F.J. Longstaffe (Earth Sciences) Title: The People Who Ate the Sea: A Stable Isotopic Analysis of Diet at Marco Gonzalez and San Pedro, Belize.
1998 HonBA <i>Summa Cum Laude</i>	Department of Anthropology, McMaster University, Hamilton, Ontario

Professional appointments

July 1, 2012 to present	Associate Professor (Tenured) Department of Anthropology, Trent University
July 1, 2006 to June 2012	Assistant Professor (Tenure-track) Department of Anthropology, Trent University.

Research, travel and teaching grants

2025	SSHRC Insight Grant \$253,531.00. Co-Investigator with Andrew Nelson (Western University). Mummies as Microcosms II - Integrated analysis of pre-hispanic mummy bundles from Puruchuco, Peru SSHRC Explore Grant - Internal \$6328.00. Diet, Death and Diaspora: Stable Isotope Analysis of Irish Emigrants in the Aftermath of the Great Famine.
2023	(Unsuccessful) SSHRC Insight Grant \$252,290. Co-investigator with Andrew Nelson (Western University). Mummies as Microcosms II: Biocultural Change over time on the Central Coast of Peru.
2020	(Unsuccessful) SSHRC (Social Sciences and Humanities Research Council) Explore Grant \$6423.55. A preliminary exploration of sample pretreatment and paleodiet in poorly preserved human bone from the Saladoid period (2300 - 1200 cal years B.P.) of the Escape Site, St. Vincent, Lesser Antilles
2018	SSHRC Insight Grant \$281,594. Co-investigator with Andrew Nelson (Western University). Mummies as Microcosms: The Bioarchaeology of the Inka Occupation of the Central Coast of Peru. SSHRC Explore grant \$4298.00. Collaborator on grant with Helen Haines. Seeking the Food he Eats: A Comparative Examination of Post-Classic Maya Diet and Health at Ka'Kabish, Belize
2017	(Unsuccessful) SSHRC Insight Grant \$229,667 The Bioarchaeology of Inka Statecraft Co-applicant with Andrew Nelson. Reapplied 2018 International Travel Award, \$1500. Internal SSHRC Trent University (declined).
2016	SSHRC Insight Development Grant \$8000 (my portion of the \$196,644 awarded). Principle investigator: James Conolly (Professor, Anthropology, Trent University) Biogeography of Late Foragers and Early Farmers in the Kavartha Lakes International Travel Award, \$1500. Internal SSHRC Trent University
2011	Academic Innovation Fund, \$3,500.00. Biological Anthropology Trent

University. Co-applicant with Anne Keenleyside.

SSHRC Insight Development Grant, \$4,500.00 (my portion of the \$70, 560 awarded). Principal investigator: James Conolly (Associate Professor, Anthropology, Trent University).

International Travel Award, \$1500.00. Internal SSHRC Trent University

2009 Alphawood Grant, \$16,215.00 (my portion of the \$343,178 awarded). Socio-environmental dynamics in the North Vaca Plateau, Belize: A long term prospective. Principle investigators: Gyles Iannone (Associate Professor, Anthropology, Trent University) and Jaime Awe (Director, Institute of Archaeology in Belize).

2007 Academic Innovation Fund, \$598.00. “Teaching Material to Increase the Visual and Hands-on Teaching of Genetics in the Biological Anthropology Lab.” Trent University

International Travel Award, \$1000.00. Internal SSHRC Trent University.

Refereed publications

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- In press** MacConnachie, M, JS Williams, D Beauchemin. Accurate Sex Determination of Mummies Through the Multi-Elemental Analysis of Bone Tissue Using Electrothermal Vaporization Coupled to Inductively Coupled Plasma Optical Emission Spectrometry. Paper submitted to Atomic Spectroscopy.
- 2025** Williams, JS, G Smith, H Haines. Macroscopic evidence for partial sacral agenesis in an ancient Maya individual from Ka’kabish, Belize. *Mexicon XLVII:1*
- 2023** Nelson, AJ, J Motley+, LC Watson, JS Williams, P Kirgis, J Huchet, S Gauld, L Poeta, A Ward, TN Najahodod, K Woodley, H Andersen, S Rountree, R Succee, J Baldeos, S Fuentes, D Pozzi-Escot. Headless burials from Pachacamac, Peru: A taphonomic approach to reconstructing mortuary ritual. *International Journal of Biolarchaeology* 7(4) 328-342. DOI: 10.5744/bi.2023.0020
- 2022** Watson, L, S Fuentes, A Nelson, JS Williams, S Gauld, J Motley, L Poeta, L Gomez, J Baldeos, J, & D Pozzi-Escott
Envolviendo al muerto a orillas del mar: análisis de escaneos tomográficos computarizados de fardos de Ancón y Pachacamac (1100 d. C. - 1532 d. C.). *Boletín de Arqueología Pontifica Universidad Católica del Perú* 31: 81-101.
- 2022** MacConnachie, M, S Lu, Y Wang, JS Williams, D Beauchemin
Sex Determination of Mummies through Multi-Elemental Analysis of Head Hair

using Electrothermal Vaporization Coupled to Inductively Coupled Plasma Optical Emission Spectrometry. *Royal Society of Chemistry Advances* 12: 27064-27071.

- 2017** Williams, JS, SS Stronge, G Iannone, F Longstaffe
Examining Chronological Trends in Ancient Maya Diet at Minanha, Belize. *Latin American Antiquity* 29(2): 269-287.
- 2014** Conolly J, J Dillane, K Dougherty, K Elashuk, K Csenkey, JS Williams
Establishing the Long-Term Use of a Burial Location from the Fifth to First Millennium BP in South-Central Ontario: An Interim Report on Mortuary Patterning, Palaeodietary Analysis, Zooarchaeology, Material Culture and Chronology from Jacob's Island-1 (BcGo-17), Kawartha Lakes. *Canadian Journal of Archaeology* 38(1): 106-133.
- 2013** Williams, JS, MM Murphy
Living and Dying as Subjects of the Inca Empire: Adult Diet and Health at Puruchuco-Huaquerones, Peru. *Journal of Anthropological Archaeology* 32:165-179.
- 2011** Williams, JS, MA Katzenberg
Seasonal Fluctuations in Diet and Death During the Late Horizon: A Stable Isotopic Analysis of Hair and Nail from the Central Coast of Peru. *Journal of Archaeological Science* 39: 41-57
- 2010** Valdez, L., JS Williams, K Bettcher, L Dausse
Decapitación y cabezas humanas del valle de Acarí. *Arqueología y Sociedad* 22: 55-72
- 2009** Williams, JS, CD White, FJ Longstaffe
Maya Marine Subsistence: Isotopic Evidence for Trade and Status from Marco Gonzalez and San Pedro, Belize. *Latin American Antiquity* 20:37-56.
- 2006** Valdez, L, JS Williams, KJ Bettcher
Prácticas Mortuarias Wari en Marayniyoq, Valle de Ayacucho, Perú. *Chungara* 38(1): 113-127.
- White, CD, J Maxwell, AE Dolphin, JS Williams, FJ Longstaffe
Pathoecology and Paleodiet in Postclassic/Historic Maya from Northern Coastal Belize. *Memórias do Instituto Oswaldo Cruz*. 101 (Suppl. II): 35-42.
- Williams, JS and CD White
Dental Modification in the Postclassic Population from Lamanai, Belize. *Ancient Mesoamerica* 17(1): 139-151.

- 2005** Williams, JS, CD White, FJ Longstaffe
Trophic Level and Macronutrient Shift Effects Associated with the Weaning Process in the Maya Postclassic. *American Journal of Physical Anthropology* 128(4): 781-790.

Non-refereed publications (book reviews, conference proceedings & reports)

- 2021** Nelson, A, L Watson, JS Williams, S Gauld, J Motley, L Poeta, D Seston, E Gomez, J Baldeos, S Fuentes, D Pozzi-Escot
Análisis de los fardos funerarios de Pachacamac: aplicación sistemática de Rayos X y tomografía computarizada en un contexto arqueológico. Proceeding of the ACTAS VI Congreso Nacional de Arqueología. Ministerio de Cultura Peru.
- 2013** Sutinen J, JS Williams
Examining Mobility at Minanha through Strontium Isotope Analysis. In *Archaeological Investigations in the North Vaca Plateau, Belize: Progress Report of the Fifteenth (2013) Field Season*, edited by Gyles Iannone, Jaime J. Awe, Sonja A. Schwake, and Kendall B. Hills, pp. 145-152. Social Archaeology Research Program: Department of Anthropology, Trent University, Peterborough.
- 2011** Stronge, SS, JS Williams
Investigating Ancient Maya Dietary Change at Minanha, Belize Using the Stable Isotopes of Carbon and Nitrogen. In *Archaeological Investigations in The North Vaca Plateau, Belize: Progress Report of The Thirteenth (2011) Field Season*, edited by Gyles Iannone, Sonja A. Schwake, Jaime J. Awe, and Philip P. Reeder, pp. 124-137. Social Archaeology research Program: Department of Anthropology, Trent University, Peterborough.
- 2008** Williams JS, Katzenberg MA
Investigating Season of Death Using Carbon Isotope Data from the Hair of 500 Year Old Peruvian Mummies. In *Mummies and Science: World Mummy Research*, edited by: Atoche Pena P, Rodriguez Martin C, and Ramirez Rodriguez A. Santa Cruz de Tenerife: Academia Canaria de la Historia, p. 497-504.
- 2007** Williams, JS
Review of Roderick Sprague's *Burial Terminology: A Guide for Researchers*. Alta Mira Press. 2005. *American Journal of Physical Anthropology* 133(2): 887-893.

Invited presentations

- 2022** Watson, L, S Fuentes, A Nelson, J Williams, S Gauld, J Motley, L Poeta, J Baldeos, & Pozzi-Escot D
Aportes desde la bioarqueología para la comprensión de las sociedades tardías de

la costa central del peru (800-11532 D.C.). The facets of social complexity in pre-Columbian America – Session in honor of Professor Krzysztof Makowski (PUCP) on the seventieth anniversary of his birth. University of Warsaw. May 2022.

Conference presentations

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- 2025** Kirgis, P, J Motley, AJ Nelson, H Anderson, LC Watson, JS Williams. S Fuentes, D Pozzi-Escot
The reconstruction of a complex mortuary ritual at the site of Pachacamac as demonstrated by funerary taphonomic analysis. Paper presented at the 11th World Mummy Congress, Cusco, Perú, August 11-14, 2025.
- MacConnachie, M, JS Williams, D Beauchemin
Accurate sex determination of mummies through the multi-elemental analysis of bone tissue using electrothermal vaporization coupled to inductively coupled plasma optical emission spectroscopy. Paper presented at the 67th annual International Conference on Analytical Sciences and Spectroscopy, Kingston, ON, May 27-29, 2025.
- Nelson, AJ, LC Watson, JS Williams, H Anderson, C Beason, S Bidinosti, J Lacerte, J Motley, T Muggridge, T. Nakahodo, L Poeta, S Rountree, R Succee, S Vicente-Sarament, A ward, K Woodley, P Kirgis, S Gould, J Tello-Hijar, J Balderos, S Fuentes, D Pozzi-Escot
Mummies as Microcosms: The non-destructive paleoradiographic analysis of mummy bundles from the Central Coast of Peru. Paper presented at the 11th World Mummy Congress, Cusco, Perú, August 11-14, 2025.
- Nelson, AJ, LC Watson, JS Williams, J Tello-Hijar, C Beason, S Bidinosti, J Motley, S Rountree, R Succee, P Kirgis, S Gould, G Garoin, D Hocking, G Conologue, R Beckett, S Fuentes, D Pozzi-Escot, S Panzer.
How to X-Ray and CT Scan an Andean mummy bundle. Paper presented at the 11th World Mummy Congress, Cusco, Perú, August 11-14, 2025.
- Ward, A, K Woodley, N Nakahodo, L Poeta, LC Watcon, JS Williams, S Fuentes, D Pozzi-Escot, AJ Nelson
A synthesis of biosocial research on identity amongst the Late Intermediate Period (1100 - 1470 CE) MUNA Burial Community (Pachacamac, Perú). Paper presented at the 11th World Mummy Congress, Cusco, Perú, August 11-14, 2025.
- 2024** Ward A, N Nakahodo, L Watson Jiménez, S Fuentes, D Pozzi-Escot, D, J Williams, A & Nelson. Reviewing structural violence as a framework for understanding violence in bioarchaeological contexts: Violence within the MUNA burial community (Pachacamac, Peru). Paper presented to the 51st annual meeting of the Canadian Association for Biological Anthropology, London, ON, October

30-Nov 2, 2024. (podium).

Williams, JS, AJ Nelson, L Watson, S Fuentes, D Pozzi-Escot. Diet and mobility in the months before death for a Late Intermediate Period burial assemblage at Pachacamac, Peru. Paper presented to the 51st annual meeting of the Canadian Association for Biological Anthropology, London, ON, October 30-Nov 2, 2024. (podium).

2023

Andersen, H, AJ Nelson, T Jenkyn, A Ward, JS Williams, L Watson, S Fuentes, and D Pozzi-Escot. Lethal violence in a Peruvian child mummy. Paper presented to the 50th annual meeting of the Canadian Association for Biological Anthropology, Winnipeg, MN, October 25, 2023. (podium)

Ward A, N Nakahodo, K Woodley L Watson, S Fuentes, D Pozzi-Escot, JS Williams and A Nelson. In society's shadow: Structural violence at Pachacamac, Perú. Paper presented to the 50th annual meeting of the Canadian Association for Biological Anthropology, Winnipeg, MN, October 27, 2023. (podium).

Williams JS, AJ Nelson, L Watson, S Fuentes, and D Pozzi-Escot. Investigating inter- and intra- individual variation in short term diet using hair from mummy bundles at Pachacamac, Peru. Paper presented to the 50th annual meeting of the Canadian Association for Biological Anthropology, Winnipeg, MN, October 25, 2023. (podium).

Woodley K, AJ Nelson, L Watson, **JS Williams**, S Fuentes and D Pozzi-Escot. 2023. Living with physical disability in the Late Intermediate Period of Peru: A bioarchaeology of care case study. Poster presented to the 50th annual meeting of the Canadian Association for Biological Anthropology, Winnipeg, MN, October 25, 2023. (poster).

2022

MacConnachie, M, S Lu, Y Wang, J Williams, D Beauchemin
Sex determination of mummies through the analysis of head hair samples via electrothermal vaporization inductively coupled plasma optical emission spectrometry. Paper presented at the 22nd meeting on Plasma Spectrochemistry, Tucson, Arizona, Jan 2022 (poster presentation)

Nelson, A, Motley, J, Watson, L, Williams, J, Poeta, L, Ward, A, Nakahodo, N, Kirgis, P, Fuentes, S, Pozzi-Escot, D
Old school – new school – radiological imaging of funerary bundles from Peru. Paper presented at the 49th annual meeting of the Canadian Association for Biological Anthropology, Saskatoon, SK Oct 2022

Watson, L, A Nelson, J Williams, S Gauld, J Motley, L Poeta, A Alvares, M Cordova, J Baldeos, D Pozzi-Escot

Mummies as Microcosms: Analysis of Mummy Bundles from the Central Coast of Peru (1100 AD-1532 AD) using Computed Tomography. Paper presented at the 10th World Congress on Mummy Studies, Bolzano, Italy, Sept 2022 (podium presentation)

2021

Motley, J., Nelson, A. J., Watson, L. C., Williams, J., Gauld, S., Poeta, L., Gomez, E., Baldeos, J., Fuentes, S., Pozzi-Escot, D.
Assessing the condition of funerary bundles at the Museum and Archaeological Sanctuary of Pachacamac using virtual taphonomy. University of Glasgow. Bioarchaeology Early Career Conference (BECC), March 2021. (virtual poster presentation)

Nelson, A, Watson, L, Williams, J, Gauld S, Motley, J, Poeta, L, Gomez, E, Baldeo, J, Pozzi-Escot, D
Mummies as microcosms: The bioarchaeological assessment of funerary bundles from outside of the sanctuary of Pachacamac, Peru (1100AD - 1470 AD). Paper presented at the 61st annual meeting of the Institute of Andean Studies. Virtual Meeting Jan 2021

Nelson, AJ, Watson, LC, Williams, J, Gauld, S, Arias, J, Motley, J, Poeta, LS, Beason, C, Muggridge, T, Kirgis, P, Huchet, J-B, Bou. C, Shigekawa, A, Baldeos, J, Fuentes, S, Abad, S, Pozzi-Escot
Mummies as Microcosms – the interdisciplinary, collaborative analysis of mummy bundles from the Central Coast of Peru. Canadian Archaeological Association, May 2021 (virtual paper presentation).

Tait, V, Williams, J
Isotopes of the Caribbean: An Investigation of Pretreatment and Human Paleodiet at the Escape Site (AD 300 - 1000), Saint Vincent, Lesser Antilles. Poster presented at the Canadian Association for Physical Anthropology, Hamilton ON, October 27-30, 2021. (poster presentation)

Watson, L., Fuentes, S. Nelson A., Williams, J., Gauld, S, Motley, J., Poeta, L., Baldeos, J., & Pozzi-Escot
Análisis de fardos funerarios con base en ct-scan: una ventana a la costa central del Peru (1470 D. C.-1532 D. C.). Congreso de Bioarqueología de Ecuador. May 2021. (virtual paper presentation)

Watson, L, Fuentes, S, Williams, J, Gauld, S, Motley, J, Poeta, L, Gomez, E. Baldeos, J, Pozzi-Escot, D, Nelson, A
Desenvolver Virtualmente: Estudio de los Fardos Funerarios de Pachacamac a Través de la Tomografía Computarizada y los Rayos X. Paper presented at the VIII National Congress of Archaeology, Ministry of Culture, Lima, Peru, September 2021. (virtual paper presentation)

Smith, G, Williams J

Differential diagnosis in pathology: postclassic Maya from Ka'Kabish, Belize. Poster presented at the Canadian Association for Physical Anthropology, Hamilton ON, October 27-30, 2021.

Tait, V, Williams, J

Isotopes of the Caribbean: An Investigation of Pretreatment and Human Paleodiet at the Escape Site (AD 300 - 1000), Saint Vincent, Lesser Antilles. Poster presented at the Canadian Association for Physical Anthropology, Hamilton ON, October 27-30, 2021.

2020

Watson, L, Nelson, A, Williams, J, Gauld, S, Motley, J, & Poeta, L, Seston, D et al.

Morir en tiempos de Imperio en Los Andes 1100d.C - 1532d.C. Paper presented at Hablando con la Eternidad, Guatemala City, September 2020. Laboratorio de Materiales Osteológicos Área de Arqueología. (virtual podium presentation)

Watson, L. C., Nelson, A. J., Williams, J., Gauld, S., Motley, J., Poeta, L., Gomez, E, Baldeos, J, Fuentes & Pozzi-Escot, D.

Manipulación postmortem de los muertos en Pachacamac: cuerpos sin cabezas (800d.c-1532d.c). Universidad Nacional Mayor De San Marcos. IX CONAHIS (Congreso Nacional de Historia), November 2020. (virtual podium presentation)

Watson, L, Nelson A, Córdova MF, Alvarez A, Williams, J, Gauld, S, Motley, J, Poeta, L, Seston, D, Gomez, E

Muerte en Huaycán de Parachí: Análisis de fardos funerarios con base en CT-scan (1470d.C-1532d.C). Paper presented at the VII National Congress of Archaeology, Ministry of Culture, Lima, Peru, September 2020. (virtual podium presentation)

Nelson, AJ, LC Watson, J Williams, S Gauld, J Motley, L Poeta, E Gomez, J Baldeos, S Fuentes, S & D Pozzi-Escot

El poder de los análisis 3D en tiempos de pandemia: Estudio de fardos de Pachacamac. Consejo Internacional de Museos. Conferencia para el día internacional de los museos ICOM. May 2020. (virtual pódium)

2019

Nelson, AJ, LC Watson, J Williams, S Gauld, J Motley, L Poeta,, Seston, DH, Gomez, E, Baldeos, J, Fuentes, S, & Pozzi-Escot, D

Mummies as microcosms: The non-destructive analysis of mummy bundles from the site of Pachacamac, Peru. Paper presented at the Canadian Association for Physical Anthropology, Banff, Alberta, October 24-26, 2019

Watson, LC, Nelson, AJ, Williams, J., Gauld, S, Motley, J, Poeta, L, Seston, D, Gomez, E, Baldeos, J, Fuentes, S & Pozzi-Escot, D.

Desvistiendo el pasado: Estudio de fardos de Pachacamac a través de CT-SCAN y Rayos-X. Paper presented at the VI National Congress of Archaeology, Ministry of Culture, Lima, Perú, August, 2019.

Williams, J, Sutinen, J, Iannone, G

Rocks stay stationary, not people: Population movement and long term sociodynamics at the Maya centre of Minanha, Belize. Paper presented at the Canadian Association for Physical Anthropology, Banff, Alberta, October 24-26, 2019

2017 Nelson, AJ, S Guillen, L Lopes, A Sajantila, E Orellana, J Tejada and JS Williams
Maternal mortality in Ancient Peru: A case study from Ilo. Paper presented at the 7th Paleopathology Association Meeting in South America, Chile, October 2017

2016 Górkiewicz, A, JS Williams
Queering skeletal sex assessment at Worthy Park, Hampshire. Poster presented at annual meeting of the European Association of Archaeologists, Vilnius, Lithuania, August 2016.

Williams, JS

An osteological and stable isotope investigation of infant feeding practices, dietary stress and morbidity using mummified subadult remains from Huaquerones, Peru. Paper presented at the 9th World Congress of Mummy Studies, Lima, Peru, August 2016.

2013 Sutinen, J, JS Williams, G Iannone
Identification of Non-local Individuals from Minanha, Belize, Using Strontium Isotope Analysis. Paper presented at the 39th annual meeting of the Canadian Association of Physical Anthropologists, Scarborough, ON, October 2013.

Williams, JS

Food security on the central Peruvian coast: Investigating the impact of Inca imperialism on food availability. Paper presented at the 39th annual meeting of the Canadian Association of Physical Anthropologists, Scarborough, ON, October 2013.

2012 Stronge, SS, JS Williams, FJ Longstaffe
Using Stable Carbon and Nitrogen Isotope Analysis to Investigate Chronological Dietary Trends at Minanaha, Belize. Paper presented at the 38th annual meeting of the Canadian Association of Physical Anthropologists, Montreal, QC, October 2012.

- 2011** Bower M, JS Williams
The Hidden Spring Site: A Preliminary Mortuary and Osteological Analysis. Paper presented at the Canadian Archaeological Association meetings in Halifax, Nova Scotia, May 2011.
- Dillane J, J Conolly, K Dougherty, JS Williams
The Mortuary Components of Jacobs Island: Implications for Mortuary Patterns in the Trent Valley, Southern Ontario. Paper presented at the Canadian Archaeological Association meetings in Halifax, Nova Scotia, May 2011.
- Williams, JS, AS Wilson, E Brown, A Gledhill, Katzenberg MA
Hydrogen and Oxygen Isotope Analysis of Hair from Inca Period Mummies: Exploring Mobility and Resource use in Central Peru. Paper presented at the 7th Mummy Congress in San Diego California, May 2011.
- 2007** Williams, JS, MS Murphy
Diet and health at Puruchuco-Huaquerones, a Late Horizon cemetery on the central coast of Peru. Poster presented at the annual meeting of the American Association of Physical Anthropologists, Philadelphia, March 2007.

Conferences and conference sessions organized

- 2025** Williams, JS, L Watson & A Nelson
Mummies as Microcosms – Exploring Change and Motion on the Andean Central Coast, Focusing on Funerary Mummy Bundles. Symposium organized for the 11th World Congress on Mummy Studies, Cuzco, Perú, August 11-14, 2025.
- 2024** Williams, JS
Biochemical Analysis in Biological Anthropology: Innovations and Applications. Symposium for the 51st annual meeting of the Canadian Association for Biological Anthropology, London, ON, October 30-Nov 2, 2024. (podium).
- 2019** Williams, JS, Garvie-Lok, S
One branch many leaves: A symposium in honour of Anne Katzenberg. Co-organized symposium for the Canadian Association for Physical Anthropology, Banff, Alberta, October 24-26, 2019
- 2016** Co-organized Annual Meeting of the Canadian Association for Physical Anthropology with Anne Keenleyside. Held at Holiday Inn, in Peterborough, ON.
- 2011** Williams, JS, AS Wilson
Hair in Archaeology. Session co-organized for the 7th World Congress on Mummy Studies.

2008 Williams, JS
The Analysis and Reconstruction of Palaeoenvironments. Session organized for the Canadian Archaeological Association annual meeting, Trent University, May 2008.

Professional workshops

2012 *Sharing of best practices among instructors of first-year courses: Conversation about how to leverage students' mobile technology in classroom teaching and learning.* Facilitated discussion for Trent University Instructional Development, May 2012

Providing Options for Lecture Attendance and Review of Lecture Material through Webcasts Workshop (with Mary-Jane Pilgrim) for Trent University Instructional Development, May 2012

Guest lectures/invited talks/panels

2024 Food for Thought: Guest panelist for Trent Open house

2015 Guest lecture on *South American Mummies and the Inca* to Grade 4 students at Queen Elizabeth Public School, Peterborough, ON.

2010 *Investigating paleodiet using multiple tissues from ancient Peruvian mummies.* Science Research Day, Trent University.

2009 *What is forensic anthropology?* Guest lecture for the Forensic Science day camp.

2006 *Investigating diet and disease for the central coast of Peru using stable carbon and nitrogen isotopic analysis of hair from 500 year old mummies.* Guest Lecture for the Natural Resource DNA Profiling and Forensic Center.

Graduate and honours students supervised

MA Graduate students

Courtney Geddes (incoming 2025)

Alison MacMillon (current)

Victoria Tait (2022)

Grant Smith (2020)

Svetlana Komarova (2020)

Peter Hammersley (2016)

Abigail Górkiewicz (2015)

Jessica Sutinen (2014)

Shannen Stronge (2012)

Megan Bower (2011)

Honours students

Maxime Petit (2025/26)

Laura Perry (2007/8)

Courses taught/revised/developed

2024-25	ANTH/FRSC/BIOL 3404 Human Osteology ANTH 4430 Advanced Skeletal Biology GESO/ANTH 3932/4932 Sex and Gender in Science ANTH 5500 Research Methods
2023-24	Sabbatical fall term ANTH/FRSC/BIOL Human Osteology ANTH 2410 Biological Anthropology
2022-23	ANTH 5500 Research methods ANTH 4420 Paleopathology Sabbatical Winter term
2021-22	ANTH 5500 Research methods ANTH 4440 Nutritional Anthropology Medical leave Winter term
2020-21	ANTH 4430 – Advanced Skeletal Biology – redeveloped for online delivery ANTH 1001 – General Anthropology – redeveloped for online delivery ANTH 2410W-H Summer – Biological Anthropology: Darwin, Death, and Disease (online)
2019-2020	ANTH 1001H – NEW General Anthropology developed course focusing on four fields of anthropology with guest lectures and four labs covering each subfield ANTH 2410H - Biological Anthropology II: Darwin, Death, and Disease ANTH-FRSC-BIOL 3404 Human Osteology. New bellringers, revised labs, and lectures ANTH 4430H – NEW Advanced Skeletal Biology. New seminar course focusing on theory and methods in skeletal biology ANTH 5900Y Stable Isotope Method and Theory (with Paul Szpak)
2018-19	ANTH 1010H - NEW Biological Anthropology I: Becoming Human. Created a new course with lecture and lab component focused exclusively on Biological Anthropology. ANTH 2410H - Biological Anthropology II: Darwin, Death, and Disease ANTH 4420H - Paleopathology ANTH-SAFS 4440H - Nutritional Anthropology

	ANTH 2410W-H Summer – Biological Anthropology II: Darwin, Death, and Disease (online)
2017-18	<p>ANTH 1010H - Biological Anthropology and Archaeology</p> <p>ANTH-SAFS 4440H - Nutritional Anthropology</p> <p>ANTH 2410W-H Summer – Biological Anthropology. Updated online course.</p> <p>ANTH 1010W-H Summer – Biological Anthropology and Archaeology. Updated online course.</p>
2016-17	<p>ANTH 1010H - Biological Anthropology and Archaeology</p> <p>ANTH 4430H - Advanced Skeletal Biology. Created a new course with both labs and seminar discussing both method and theory in skeletal biology.</p>
2015-16	Sabbatical
2014-15	<p>ANTH 2410W-H Summer – Biological Anthropology. Updated online course.</p> <p>ANTH 1010W-H Summer – Biological Anthropology and Archaeology. Updated online course.</p> <p>ANTH 4410H -Mortuary Archaeology</p> <p>ANTH-SAFS 4440H – Nutritional Anthropology</p>
2013-14	<p>ANTH 2410W-H Summer – Biological Anthropology. Created an entirely new online course with 6 modules, module-based labs, module-based activities and discussion posts, assignment, midterm, and final exam.</p> <p>ANTH 1010W-H Summer – Biological Anthropology and Archaeology. Created an entirely new online course with six modules, weekly activities, and discussion topics, 2 assignments, a midterm, and a final exam.</p> <p>ANTH 2410H – revised course from full year to half year and from bi-weekly labs to weekly labs.</p> <p>ANTH 4420H – Paleopathology</p> <p>ANTH 3430H – Human bioarchaeology</p> <p>ANTH 5900Y – Isotope method and theory</p>
2012-13	<p>ANTH 1010H – Biological Anthropology and Archaeology</p> <p>ANTH 1010W-H – Biological Anthropology and Archaeology. Online course with six modules, weekly activities, and discussion topics, 2 assignments, a midterm, and a final exam.</p> <p>ANTH-BIOL-FRSC 3420H –Human Osteology and Forensic Anthropology. Content from the full year course has been modified and condensed to fit in one term. Labs reworked by student assistant and me.</p> <p>ANTH-FRSC 3430H – Human Bioarchaeology. Designed by me to teach</p>

applications of osteological analyses.

ANTH-SAFS 4440H – Nutritional Anthropology. Designed by me as weekly seminars that revolve around discussing readings, applying the knowledge in both group and individual activities. Weekly private journal postings to engage students with the material outside of class, paper critique to teach critical thinking skills, two activities to apply the knowledge and teach methods used by Nutritional Anthropologists.

2011-12

ANTH 1010H – Biological Anthropology and Archaeology

ANTH 1010H online (DE) – Biological Anthropology and Archaeology.

Created an entirely new online course with six modules, weekly activities, and discussion topics, 2 assignments, a midterm, and a final exam.

ANTH 2400F - Biological Anthropology. Implemented new laboratory and prelab assignments (designed by Jodi Schmidt and Shannen Stronge with support from the Academic Innovation Grant).

ANTH 4420H – Paleopathology

ANTH 5500Y - Research Design. Revisions from previous years. Co-taught with Marit Munson.

ANTH 5650H – Stable Isotope Method and theory. Revised and redesigned to cover stable isotopes.

2010-11

ANTH 1010H – Biological Anthropology and Archaeology. The course has been totally revised and I have created a custom text with Pearson publishers. First year that I have taught it independently (normally it is co-taught with J. Topic).

ANTH 3415Y – Human Osteology and Forensic Anthropology. Designed by Anne Keenleyside.

ANTH – AHCL 4410H – Mortuary Archaeology. Substantial revisions from 2009-10.

ANTH 5500Y – Research Design. Revisions from previous years. Co-taught with Marit Munson.

ANTH 5650Y – Advanced Skeletal Biology. Designed by Anne Keenleyside, minor revisions from previous year. Co-taught with Anne Keenleyside.

2009-2010

ANTH 1010H – Biological Anthropology and Archaeology. Minor revisions, but overall same content as previous year. Co-taught with John Topic.

ANTH 2400Y – Biological Anthropology. Revised from previous years.

ANTH – AHCL 4410H – Mortuary Archaeology. Developed in 2008-9. Set up course on WebCT

ANTH 5500Y – Research Design. Minor revisions from previous years. Co-taught with Marit Munson.

ANTH 5650Y – Advanced Skeletal Biology. Designed by Anne

Keenleyside, I added a couple of readings. Co-taught with Anne Keenleyside.

2008-2009 Maternity leave

2007-2008 ANTH 240Y – Biological Anthropology. Revised from previous year.
 ANTH 442hH – Palaeopathology. Revised from Anne Keenleyside's previous years. Set up course on WebCT.
 ANTH 550Y – Research Design. Revised slightly from previous year. Co-taught with Paul Healy.

2006-2007 ANTH 240Y – Biological Anthropology. Revised from Anne Keenleyside's previous years. Reused Anne Keenleyside's WebCT course.
 ANTH 101H – Biological Anthropology and Archaeology. Revised from Joseph So's previous years.
 ANTH 550Y – Research Design. Revised slightly from previous year. Co-taught with Anne Keenleyside.

Awards

2022	Merit Award for Service
2013	Merit Award for Teaching
2012	Distinguished Teaching Award for Educational Leadership & Innovation in Instruction

Teaching Development/workshops attended

2021	Equity, Diversity, and Inclusion (EDI) in Curriculum and Pedagogy: Embedding Anti-racism and Decolonization
2017-18	Authentic Indigenous Inclusion with Dan Longboat Flipped Classrooms as Active Learning with Jane Mackie First Year Caucus
2016-17	Art of integrating Indigenous knowledge into the Academy (David Newhouse)
2013-14	Future U: Creating the Universities we want. (Toronto, OCUFA (Ontario Confederation of University Faculty Associations) conference) Teaching Sensitive Topics
2012-13	Safe talk suicide awareness training

- 2009-10** How to write a lot: A systematic approach to increasing research productivity
 Animating small group discussions
 Online multimedia learning: Interactive co-curricular activities
 Elluminate yourself
 Lecture webcasts using Panopto software in Wenjack theatre
 Managing the potential negative impacts of technology on classroom learning,
 Linking assistive technology to student learning.
- 2007-8** Getting the most out of multiple-choice questions
 Resisting mass education, hopefully.
- 2006-7** Reflections on accommodating diverse learning styles
 Integrating interactive teaching into your classroom: getting started with low and medium risk activities.

Department and University Service

- 2024-25** Department personnel committee
 Department EDI committee (Chair)
 Hiring committee (Tenure track position with FRSC in Forensic anthropology)
 University Food services committee
 Supervisory committee for 4 MA students
 Kenneth Kidd working group
- 2023-24** Department personnel committee
 University Food services committee
 Supervisory committee for 2 MA students
 Chaired 2 MA thesis defenses
- 2022-23** Department Hiring committee (Tenure track position in Biological Anthropology)
 Department Curriculum committee
 Department EDI committee
 Department Ethics committee
 Department personnel committee
 Supervisory committee for 5 MA students
 Chaired 2 MA thesis defenses
- 2021-22** Director, Anthropology Graduate Program
 University Faculty Appointments advisory committee
 University Faculty committee investigating plagiarism, Chair (History,

MA candidate)
University Senate
University Faculty Board
Department faculty liaison to Anthropology Society
Department Curriculum committee
Member of supervisory committee for 3 graduate students
Chaired 3 MA thesis defenses

2020-21

Director, Anthropology Graduate program
University Fair Trade campus steering committee
University Faculty Board
University Grad Directors
Chair, Elections and Nominations Committee (TUFA)
Department tenure and promotion committee (Tenure Paul Szpak, promotion Eugene Morin)
Department personnel committee
Member of supervisory committee for 1 graduate student
Chaired 4 MA thesis defenses: Svetlana Komarova, Jennifer Routledge, Michael Scott, Grant Smith

2019-20

TUFA past president
Chair, Elections and Nominations Committee (TUFA)
University Fair Trade campus steering committee
University internal external for Business permanency (Jaime Morales)
University internal external for Forensic Science MSc director search
Department curriculum committee
Department tenure and promotion committee (permanency Helen Haines, Merit Ann Meneley and Paul Szpak)
Department workload committee
Member of supervisory committee for 3 graduate students
Chaired 1 MA thesis defense for Jeremy Brooks

2018-19

TUFA past president
Subcommittee on equity review of salary (TUFA)
Subcommittee on graduate teaching (TUFA)
Chair, Elections and Nominations Committee (TUFA)
University AP&B
University committee member for Scholars at Risk
Department personnel committee
Supervisory committees of 3 anthropology MA graduate students
Chaired one MA thesis defense: Sophie Goldberg

2017-18

TUFA president
Co-chair of Joint Committee (TUFA)

	Delegate, CAUT (Canadian Association of University Teachers) council (TUFA) Director, OCUFA board (TUFA) Subcommittee on equity review of salary (TUFA) Subcommittee on graduate teaching (TUFA) University AP&B University Faculty Facetime for Otonabee College event Departmental curriculum Committee Discover your department rep for orientation event Supervisory committees of 1 anthropology MA graduate student Chaired one MA thesis defense: Dan Worby
2016-17	TUFA president Co-chair of Joint Committee (TUFA) Delegate, CAUT council (TUFA) Director, OCUFA board (TUFA) Acting grievance officer (TUFA) University AP&B Departmental Personnel Committee Supervisory committee of 1 anthropology MA graduate student
2015-16 Sabbatical	TUFA past president
2014-15	TUFA president TUARC director Co-chair of Joint Committee (TUFA) Delegate, CAUT council (TUFA) Director, OCUFA board (TUFA) TUFA representative to PACHREA TUFA pension subcommittee TUFA privacy subcommittee TUFA bargaining team University Chair Senate Teaching Awards Subcommittee University Internal External Reviewer for MA Sustainability Studies Department collections committee Department chair search committee Supervisory committees of 4 anthropology MA graduate students Chaired one MA thesis defense: Hanna Schmidt
2013-14	TUFA Vice President TUARC director Delegate, CAUT council (TUFA) Visitor to Senate (TUFA)

	<p>University Presidential Task Force on Indigenous Education</p> <p>University Senate Teaching Awards Subcommittee</p> <p>University external for AHCL chair search committee</p> <p>Department Personnel Committee (winter term)</p> <p>Department collections committee</p> <p>Department tenure review committee (Morin)</p> <p>Departmental newsletter - coordinated and produced newsletter</p> <p>Departmental SSHRC MA ranking</p> <p>Supervisory committees of 4 anthropology MA graduate students</p> <p>Chaired 2 MA thesis defenses: Dan Savage and Kristen Csenkey</p>
2012-13	<p>TUARC Director (Trent University Archaeological Research Centre)</p> <p>TUFA Negotiations Council</p> <p>University Senate Teaching Awards Subcommittee</p> <p>Department organizing committee for Archaeology Day</p> <p>Department rep for Fall Open House</p> <p>Supervisory committees of 5 anthropology MA graduate students</p> <p>Chaired one MA thesis defense: Cassandra Jasinski</p>
2011-12	<p>University Technology for teaching and learning committee</p> <p>University volunteer judge for Peterborough Regional Science Fair</p> <p>Department Library coordinator</p> <p>Department Chair search committee</p> <p>Supervisory committees of 5 anthropology MA graduate students</p> <p>Chaired two MA thesis defenses: Jenna Green and Alex Nascou</p>
2010-11	<p>University Volunteer for Trent reads, led two seminars</p> <p>Department Anthropology Society faculty liaison</p> <p>Department reviewer for Richard B. Johnston funding</p> <p>Department lab tours for opening of new Life and Health Science Building</p> <p>Department SSHRC ranking committee</p> <p>Supervisory committees of 6 anthropology MA graduate students</p> <p>Chaired one MA thesis defense: Celise Chilcote</p>
2009-10	<p>University volunteer for Trent reads, led two seminars.</p> <p>University judge for the Peterborough Science Fair</p> <p>University external reader for Norma Miller Essay Prize (Ancient History and Classics)</p> <p>Department personnel committee</p> <p>Department merit committee</p> <p>Department Governor General's Medal selection committee</p> <p>Department SSHRC ranking committee</p> <p>Supervisory committees of 8 anthropology MA graduate students</p>

2008-9 Maternity leave	Chaired one MA thesis defense: Jordan Downey
2007-8	<p>Departmental personnel committee</p> <p>Department chair search committee</p> <p>Department merit award committee (Conolly)</p> <p>Department co-organized (with Julia Harrison) one Kenneth Kidd lecture.</p> <p>Department organized Richard B. Johnston lecture series.</p> <p>Department SSHRC ranking committee</p> <p>Department committee reviewing Gyles Iannone's reappointment as graduate director.</p> <p>Department report on Bioarchaeology Programs in the province (at the request of Graduate director, co-authored with Anne Keenleyside and Hermann Helmuth).</p> <p>Supervisory committees of 7 anthropology MA graduate students.</p> <p>Chaired one MA thesis defense: Flannery Surette</p>
2006-7	<p>Department personnel committee</p> <p>Department tenure review committee (Munson)</p> <p>Department SSHRC and OGS ranking committee</p> <p>Department Space committee</p> <p>Department Anth 101 review/development committee</p> <p>Supervisory committees for 5 anthropology MA students</p> <p>Chaired one MA thesis defense: Cynthia Kwok</p>
Service to the Profession	
2024	External reviewer PhD Defense, Western University
2023	External grant reviewer Provincia Autonoma de Bulsan
2022	External reviewer National Science centre
2020	External reviewer Journal of Archaeological Science
2019	<p>External reviewer for PloS One</p> <p>External reviewer for Journal of Archaeological Science</p> <p>External reviewer for American Journal of Physical Anthropology</p> <p>External reviewer of a textbook for Oxford University Press</p>
2018	External referee on Full Professor promotion file at Mount Royal University

	<p>Evaluation of highly competitive research proposals submitted to the European Research Council Consolidating Grant 2018 call for proposals.</p> <p>Book proposal Review Canadian Scholars Women's Press</p> <p>External reviewer for American Journal of Physical Anthropology</p> <p>External reviewer for Bioarchaeology International review (including a 2nd review of the revised manuscript)</p> <p>External reviewer for International Journal of Paleopathology</p> <p>External reviewer for Plos One</p>
2017	<p>External reviewer for Journal of Human Biology</p> <p>External reviewer for National Science Centre Poland</p>
2016	<p>External reviewer for Applied Geochemistry</p> <p>External reviewer for Journal of Archaeological Science</p> <p>Co-organized (with Anne Keenleyside) The Canadian Association for Physical Anthropology meetings in Peterborough, October 2016</p> <p>External reviewer PhD defense (Robert Stark, McMaster University)</p>
2015	<p>External reviewer for the Journal of Archaeological Science</p> <p>External reviewer for the Archaeological and Anthropological Sciences</p>
2014	<p>External reviewer for the Austrian Science Fund</p> <p>External reviewer for the Masters in Sustainability Studies at Trent University</p>
2013	<p>External reviewer for Journal of Archaeological Science</p> <p>External examiner for PhD defense (Western Ontario)</p>
2012	<p>External reviewer for American Journal of Physical Anthropology.</p> <p>External reviewer for Journal of Archaeological Science.</p> <p>External review for Applied Geochemistry.</p>
2011	<p>External reviewer for American Journal of Physical Anthropology.</p> <p>External reviewer for International Journal of Osteoarchaeology.</p> <p>External reviewer for Journal of Archaeological Science.</p> <p>External reviewer for Ancient Mesoamerica.</p> <p>External reviewer for Reviews in Anthropology.</p> <p>External reviewer for W. W. Norton & Company.</p>
2010	<p>External reviewer for American Journal of Physical Anthropology.</p> <p>External reviewer for International Journal of Osteoarchaeology.</p>
2009	<p>External reviewer for American Journal of Physical Anthropology.</p> <p>Review of Introductory textbook for Oxford University Press.</p>

2007 External reviewer for Current Anthropology.
External reviewer for International Journal of Osteoarchaeology.

Media/Popular press

2010 Featured news story on Trent University home page (re: Science Research Day, April 23)

2007 Radio interview on CBC's "Quirks and Quarks"
Television interview for Discovery Channels "Daily Planet"
Newspaper articles for Daily India newspaper and Durham Region News.

Professional Expertise

- Osteological and Forensic Analyses: assessment of age and sex, description and diagnosis of pathology and trauma, determining cause of death, reconstructing stature, description and diagnosis of dental pathology, skeletal and dental metric, and non-metric analyses.
- Archaeological Isotope Biochemistry: collagen extraction, carbonate extraction from bone and tooth, multiple tissues (skin, muscle, hair, nail), infra-red spectroscopy, stable isotope analysis of carbon, nitrogen, hydrogen, strontium, and oxygen.

Professional Association Memberships

- American Association of Physical Anthropologists
- Paleopathology Association
- Canadian Association of Physical Anthropologists

Field work

2018 Lima, Peru (Mummies as microcosms SSHRC funded project) Co-directed with Andrew Nelson
Supervised and undertook the analysis and sampling of mummified human remains from 3 museum collections in Lima. Our team included 3 graduate students from Western University and 2 Peruvian graduate students.

2010 Jacob Island, Kawartha Lakes, Ontario
Director: Dr. James Conolly
Assisted with the in-field identification, inventory documentation and excavation of multiple human burials associated. Responsible for the determination of age and sex and the identification of trauma and pathology.

2009 Amato Archaeological Project, Acari, Peru.
Director: Dr. Lidio Valdez, University of Alberta
Worked in laboratory for 2 weeks examining individuals excavated in the 2006 and 2007 field seasons. Responsible for the determination of age and sex and the

identification of trauma and pathology. Digital photos were taken for each individual and detailed inventory forms were completed including the metric and non-metric analyses of the skeleton and dentition.