

Rebecca J. Gilmour

Curriculum Vitae

January, 2023

EDUCATION

- 2017 Ph.D., Anthropology, McMaster University
Thesis: *Resilient Romans: Cross-sectional Evidence for Long-Term Functional Consequences of Extremity Trauma*
- 2009 M.Sc. (Distinction), Palaeopathology, Archaeology, Durham University (UK)
- 2008 B.A. (Honours), Archaeology, Simon Fraser University

PROFESSIONAL APPOINTMENTS

- 2020-Present Assistant Professor, Tenure Track
Department of Sociology and Anthropology, Mount Royal University, Calgary, Canada
- 2018-2020 Assistant Professor, CLA
Department of Anthropology, McMaster University, Ontario, Canada.

RESEARCH INTERESTS

Bioarchaeology, bone biomechanics, palaeopathology, trauma, bone loss, impairment and disability, habitual activity, lived experiences, human variation and adaptation, health and disease, Roman (bio)archaeology, biological anthropology pedagogy

PROJECTS

- | | | |
|----------------|---|---|
| 2021 – Present | Take-Home Skeleton Lab Kits: A Pedagogical Approach to Universal Design in Bioanthropology
Approval granted by Mount Royal University Human Research Ethics Board (MRU Application #102482)
Collaboration with Dr. Julia Gamble, University of Manitoba | Mount Royal University & University of Manitoba |
| 2021-2022 | Addressing issues of archaeological skeletal preservation for cortical bone thickness analyses: Using the metacarpal array to investigate bone loss
Approval granted by Mount Royal University Human Research Ethics Board (MRU Application # 102690)
Collaboration with Maris Schneider (Honours Student, MRU) | Mount Royal University |
| 2018 – 2021 | A Bioarchaeological Approach to Assessing Bone Amount and Loss in Fragmentary Archaeological Second Metacarpals
Collaboration with Drs. Sarah Schrader & Menno Hoogland at Leiden University, Netherlands | Mount Royal University & Leiden University |

2011 – Present	Resilient Romans: Cross-sectional Evidence for Long-Term Functional Consequences of Extremity Trauma	Mount Royal University & McMaster University
In Development	Trabecular Bone Microstructure: Evidence for Fracture Treatments & Impairment	Mount Royal University
In Development	Quantifying Bone Response to Mobility Impairment and Recovery in Living and Archaeological Humans Collaboration with Drs. Jay Stock, Trevor Birmingham, and Robert Giffin at Western University, Ontario	Mount Royal University & The University of Western Ontario

PUBLICATIONS

* student contributors
† co-first author

Edited Volumes:

Hirst, C.S.[†], **Gilmour, R.J.**[†], Plomp, K.A., Alves Cardoso, F. (Eds.). (In Press). *Behaviour in Our Bones: How Human Behaviour Influences Skeletal Morphology*. Elsevier.

Refereed Journal Articles:

Schneider, M.A.* & **Gilmour, R.J.** (Early View). Exploring radiogrammetry beyond the second metacarpal: Using the third, fourth, and fifth metacarpals to quantify cortical bone. *American Journal of Human Biology*. <https://doi.org/10.1002/ajhb.23831>

Gilmour, R.J. & Plomp, K. (2022.) The Changing Shape of Palaeopathology: The Contribution of Skeletal Shape and Form Analyses to Investigations of Pathological Conditions. *Yearbook of Physical Anthropology*, 178(S74): 151-180. <http://doi.org/10.1002/ajpa.24475> (Open Access).

Battles, H.T., **Gilmour, R.J.** (2021). Beyond mortality: Survivors of Epidemic Infections and the Bioarchaeology of Impairment and Disability. *Bioarchaeology International*, 6(1-2):23-40. <https://doi.org/10.5744/bi.2021.0003> (Open Access).

Gilmour, R.J., Brickley, M.B., Hoogland, M., Jurriaans, E., Prowse, T.L. (2021). Quantifying cortical bone in fragmentary archaeological second metacarpals. *American Journal of Physical Anthropology*, 174(4):1-10. <https://doi.org/10.1002/ajpa.24248>.

Gilmour, R.J., Brickley, M., Jurriaans, E., Prowse T. (2019). Maintaining Mobility after Fracture: A Biomechanical Analysis of Fracture Consequences at the Roman Sites of Ancaster (UK) and Vagnari (Italy). *International Journal of Palaeopathology*, 24:119-129.

Gilmour, R.J., Gowland, R., Roberts, C.A., Bernert, Zs., Kiss, K.K., Lassanyi, G. (2015). Gendered Differences in Accidental Trauma to Upper and Lower Limb Bones at Aquincum, Roman Hungary. *International Journal of Paleopathology*, 11:75-91.

Lockau, L., **Gilmour, R.J.**, Menard, J-P., Narayanaswamy, B., Dragomir, A-M., Mant, M., Watamaniuk, L., Brickley, M., (2015). “Buck and Ball”: Identification and Interpretation of Buckshot Injuries to the Pelvis from the War of 1812. *Journal of Archaeological Science: Reports*, 6:424-433.

Lockau, L., Dragomir, A.M., **Gilmour, R.**, Mant, M., & Brickley, M. (2013). Bioarchaeological investigation of sharp force injuries to the ribs and lower leg from the battle of Stoney Creek in the War of 1812. *Anthropological Science*, 121: 217-227.

Gilmour, R.J., & Skinner, M.F. (2012). Forensic Scatology: Preliminary Experimental Study of the Preparation and Potential for Identification of Captive Carnivore Scat. *Journal of Forensic Sciences*, 57: 160-165.

Refereed Book Chapters:

Gilmour, R.J., Mansukoski, L., & Schrader, S.A. (in press) Skeletal Adaptations to Immobility & Impairment: Injury, Disease, & Recovery. *Behaviour in Our Bones*, Eds. Hirst, C., **Gilmour, R.J.**, Plomp, K.A., Alves Cardoso, F. United Kingdom: Elsevier.

Other Book Chapters & Textbook Publications:

Plomp, K. A., **Gilmour, R. J.**, & Alves Cardoso, F. (in press). Skeletons in Action: Inferring Behaviour from our Bones. In submission for *Behaviour in Our Bones*, Eds. Hirst, C., **Gilmour, R.J.**, Plomp, K.A., Alves Cardoso, F. United Kingdom: Elsevier.

Gilmour, R. J., Plomp, K. A., & Alves Cardoso, F. (in press). Acting on What We Have Learned and Moving Forward with Skeletal Behaviour. In submission for *Behaviour in Our Bones*, Eds. Hirst, C., **Gilmour, R.J.**, Plomp, K.A., Alves Cardoso, F. United Kingdom: Elsevier.

Gilmour, R.J. (2020). Articulating MNI in the Cranium. *EXPLORATIONS: An Open Invitation to Biological Anthropology: Lab Manual*. Beth Shook, Katie Nelson, Kelsie Aguilera, Lara Braff (Eds.). Creative Commons License CC BY-NC. <http://explorations.americananthro.org/index.php/lab-and-activities-manual/>

Gilmour, R.J. (2020). Roll-Up, Life-Sized Juvenile Age Estimation. *EXPLORATIONS: An Open Invitation to Biological Anthropology: Lab Manual*. Beth Shook, Katie Nelson, Kelsie Aguilera, Lara Braff (Eds.). Creative Commons License CC BY-NC. <http://explorations.americananthro.org/index.php/lab-and-activities-manual/>

Conference Proceedings:

Gilmour, R.J., Prowse T., Jurriaans, E., Brickley, M. (2017). Roving Romans: Biomechanical and fracture evidence for sex-related, intensified mobility at Vagnari, Italy [Abstract]. *American Journal of Physical Anthropology*, 162(S64): 194-5.

Gilmour, R.J., Brickley, M., Prowse, T. (2013). Functional Impairment and Physical Stress In the Past: How Physiotherapy Ideologies Can Contribute to Bioarchaeological Interpretations [Abstract]. *American Journal of Physical Anthropology*, 150(S56): 129.

Manuscripts in Submission:

Gilmour, R.J. & Gamble, J. Virtual Skeletal Anatomy: Learning Human Osteology Remotely Using Take-Home Skeleton Models. In submission with *Anatomical Sciences Education*.

Manuscripts in Preparation:

Gilmour, R.J., Prowse T., Jurriaans, E., Brickley, M. Social Age Influences Impairment Following Extremity Trauma in the Roman World. In preparation for *Bioarchaeology International*.

Other Publications/Contributions:

Gilmour R.J., (2022, December 17). Remote Teaching Gems – Physical Kits. MRU Academic Development Center (ADC) Newsletter.

Gilmour, R.J. (2021). Teaching Through a Pandemic: Living Room Labs in Human Osteology. Canadian Association of Physical Anthropology Newsletter, 2021(1): 13.

Gilmour R.J. (2018). Roman Carnuntum Human Remains Report: Lots 832-14 (2009) and 832-1 (2008), Petronell-Carnuntum, Austria. Unpublished report, Bundesdenkmalamt (Federal Monuments Office), Vienna, Austria. 80 pp.

Gilmour, R.J., & Battles, H. (2013). BADD 2013: Disability in Bioarchaeology [Blog Post]. Retrieved from <http://anthroetc.blogspot.ca/2013/04/badd-2013-disability-in-bioarchaeology.html>

Gilmour, R.J., & Battles, H. (2013). Review: “The Bioarchaeology of Disease Ideologies,” session at the 82nd Annual Meeting of the American Association of Physical Anthropologists (AAPA) (Knoxville, 13 April 2013). *Disability History Association Newsletter*, 9: 10-13.

Gilmour, R.J. (2009). *Broken Romans: Long Bone Trauma in a Civilian Population at Aquincum, Budapest, Hungary* (M.Sc. dissertation). Durham University, Durham, UK.

Gilmour, R.J. (2008). *Forensic Scatology: A Preliminary Study of Carnivore Scat* (Honours B.A. dissertation). Simon Fraser University, Burnaby, Canada.

Artistic Contributions to Publications:

Illustrations and Figures prepared for the following publications, not incl. my own:

Brickley, M. & Ives, R. (2020). *Bioarchaeology of Metabolic Bone Disease*. 2nd Edition. Oxford: Academic Press.

Brickley, M.B., Kahlon, B., & D'Ortenzio, L. (2019). Using teeth as tools: Investigating the mother–infant dyad and developmental origins of health and disease hypothesis using vitamin D deficiency. *American Journal of Physical Anthropology*, 171(2):342-353.

Brickley, M. (2018). Cribra orbitalia and porotic hyperostosis: A biological approach to diagnosis. *American Journal of Physical Anthropology*, 167(4): 896-902.

D'Ortenzio L, Kahlon B, Peacock T, Salahuddin H, Brickley M. (2018). The rachitic tooth: Refining the use of interglobular dentin in diagnosing vitamin D deficiency. *International Journal of Paleopathology* 22: 101-108.

D'Ortenzio, L, Ribot I, Kahlon B, Bertrand B, Bocaege E, Raguin E, Schattmann A, and Brickley M. (2018). The rachitic tooth: The use of radiographs as a screening technique. *International Journal of Paleopathology* 23: 32-42.

Jennings, E., Buckberry, J., & Brickley, M. B. (2018). Radiographically recognizable? An investigation into the appearance of osteomalacic pseudofractures. *International Journal of Paleopathology* 23, 26-31.

HONOURS & AWARDS

- 2022 Nominated for the MRU Arts Outstanding Teacher Award (2021-2022)
- 2020 Awarded the 2020 McMaster Student Union (MSU) Teaching Award, Faculty of Social Science
- 2020 Honourable Mention for the Best Asynchronous 15 Minute Presentation, Canadian Association of Physical Anthropologists (CAPA) Annual Meeting, November 2020
 - Award presented to my student co-authors, Katherine Brent and Sydney-Quinn Chizmeshya, for their conference presentation.
- 2019 Nominated for the McMaster Student Union (MSU) Teaching Award, Winter term 2019
 • Ranked within the top four nominated instructors within the faculty of Social Science, McMaster University
- 2018 IJPP Early Career Award, Palaeopathology Association Meeting, Austin, Texas
- 2017 American Association of Physical Anthropologists (AAPA), William S. Pollitzer Student Travel Award (New Orleans Meeting)
- 2016 Cockburn Student Prize for Best Poster Presentation at the 43rd Annual North American PPA Meeting, Atlanta, Georgia
- 2015 American Association of Physical Anthropologists (AAPA), William S. Pollitzer Student Travel Award (St. Louis Meeting)

GRANTS & FELLOWSHIPS

Extramural:

- 2018-20 Social Sciences and Humanities Research Council (SSHRC) – Explore Standard Research Grant, administered by the Arts Research Board, McMaster University. \$6,007 CAD
Project Title: A Bioarchaeological Approach to Assessing Bone Amount and Loss in Fragmentary Archaeological Second Metacarpals
- 2014-16 Social Sciences and Humanities Research Council (SSHRC) Doctoral Fellowship (24 months) SSHRC ref: 752-2014-1836 \$40,000 CAD
Project Title: Resilient Romans: Cross-sectional Evidence for Long-Term Functional Consequences of Extremity Trauma
- 2014 Shelley Saunders PhD Thesis Research Grant, Administered by CAPA \$800 CAD
- 2013 Dr. Ronald V. Joyce Ontario Graduate Scholarships in Social Sciences \$15,000 CAD

2013	IHR Mellon Pre-Dissertation Fellowship (UK research)	\$5,000 USD
2012	Queen Elizabeth II Graduate Scholarship in Science and Technology	\$15,000 CAD

Intramural:

2021	Faculty Development Council funding to support presentation, symposium chair, and attendance at the CAPA meetings, Hamilton, Ontario.	\$2673 CAD
2021	Endeavour Fund Grant to support <i>Skeletons at Home: Student Laboratory Aids for Home-Based Bioanthropology Teaching & Learning</i> (co-applicants: Samanti Kulatilake & Milan Gillespie)	\$5273 CAD
2018	Humber, Liberal Arts and Sciences, Conference Travel Funding for travel to the PPA/AAPA meetings, Austin, Texas	\$773 CAD
2017	Department of Anthropology Conference Funding, McMaster University for participation in the AIA meetings, Toronto, Ontario	\$100 CAD
2016	Department of Anthropology Conference Funding, McMaster University for participation in the CAPA meetings, Peterborough, Ontario	\$100 CAD
2015	Department of Anthropology PhD Scholarship, McMaster University	\$10,000 CAD
2014	McMaster University, Department of Anthropology, Fieldwork Funding	\$2,509 CAD
2013-14	Grant in Aid of Travel Research & Field Studies Fund, SGS McMaster	\$6,535 CAD
2013-14	McMaster University, Department of Anthropology, Fieldwork Funding	\$3,500 CAD
2013	McMaster Graduate Student Association Travel Assistance Award	\$500 CAD
2013	McMaster University, Department of Anthropology Conference Funding	\$700 CAD
2013	McMaster Grad Studies TSA Bursary Fund	\$1,500 CAD
2012	McMaster Graduate Student Association Travel Assistance Award	\$500 CAD
2012	Department of Anthropology Conference Funding, McMaster University	\$500 CAD
2011	Department of Anthropology PhD Scholarship, McMaster University	\$10,000 CAD
2011	Entrance Scholarship, Department Anthropology, McMaster University	\$4,000 CAD

INVITED TALKS

2022	Invited Speaker for the Archaeological Society of Alberta Speaker's Series. Talk entitled <i>Injury & Activity across the Empire: The BioArchaeology of How Ancient Romans Experience Trauma</i> . (Sept. 21)	
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- 2022 Plenary Speaker: McMaster Anthropology Society (MAS) Undergraduate Research Symposium, McMaster University, Hamilton, Ontario. Talk entitled *Changing Worlds: Impairment and Disability in the Bioarchaeological Record* (February 10th)
- 2021 Public Talk for Penticton Museum & Archives Brown Bag Lecture series [Virtual]. *Stories in our Bones: Exploring Archaeological Skeletons & Learning from the Past*. (December 7, 2021).

CONFERENCE PARTICIPATION

Workshops Organized

- 2018 Reading the Bones, the Nexus of Anthropology, Forensics, and Pathology. Invited workshop designed and delivered for a Regional Meeting of the American Association of Anatomists, McMaster University, Hamilton, Ontario (November 10th).
- Organizer: **Gilmour, R.J.** in collaboration with the Department of Anatomy, McMaster University and Jay Maxwell (Forensic Pathologist, Hamilton General Hospital).
- Photo coverage of the workshop in a news article by the [Hamilton Spectator](#).

Panels Organized

- 2018 All the Ways We Move: Bioanthropological Perspectives on Movement. Canadian Association of Physical Anthropology, London, Ontario (October 31-November 3, 2018). Organizers: Cameron, M. & **Gilmour, R.J.**

Papers Presented

* = student contributors

- 2022 Schenider, M.*, **Gilmour, R.J.** Continued cortical bone appositional growth after metacarpal fusion: a longitudinal comparison of adolescent and young adult hand-wrist radiographs. Canadian Association of Biological Anthropology Meeting (October 26-29), Saskatoon, Saskatchewan, Canada.
- 2022 Brent, K.E.*, Chizmeshya, S-Q.*, **Gilmour, R.J.** Assistive devices and relational autonomy: Reconceptualizing palaeopathological experiences of impairment. Palaeopathology Association Annual Meeting [Virtual] (March 21-23, 2022).
- 2021 **Gilmour, R.J.** & Gamble J. Bones at Home: Teaching and Learning Human Osteology through ‘Living Room Labs’. Paper presented at the Canadian Association of Physical Anthropology Meeting (October 27-30), Hamilton, Ontario, Canada.
- 2020 Brent, K.E.*, Chizmeshya, S.-Q.*, **Gilmour, R.J.** Building on the Bioarchaeology of Care: Suggestions from the Case of Khuyankh. Canadian Association of Physical Anthropology (November 4-6th, 2020), Virtual Annual Meeting.
- This contribution won Katherine Brent & Sydney-Quinn Chizmeshya honourable mention (2nd place) for the best student presentation. This undergraduate research was in direct competition with upper-level PhD students.

- 2018 **Gilmour, R.J.**, Cameron, M. Movers and shakers: Integrating Innovative Perspectives on Movement in Biological Anthropology. Paper presented at the Canadian Association of Physical Anthropology Meeting (October 31-November 3), London, Ontario, Canada.
- 2018 **Gilmour, R.J.**, Brickley, M., Jurriaans, E., Prowse T. Maintaining Mobility after Fracture: A Biomechanical Analysis of Fracture Consequences at the Roman Sites of Ancaster (UK) and Vagnari (Italy). Paper presented at the Palaeopathology Association Meeting (April 9-11), Austin, Texas.
- 2017 **Gilmour, R.J.**, Prowse T., Jurriaans, E., Brickley, M. Roving Romans: Biomechanical and Fracture Evidence for Sex-Related, Intensified Mobility at Vagnari, Italy. Paper presented at the American Association of Physical Anthropology meeting (April 19-22), New Orleans, Louisiana.
- 2017 **Gilmour, R.J.**, Prowse T., Jurriaans, E., Brickley, M. Don't Judge A Bone by Its Cover: Investigating Long-Term Consequences of Extremity Trauma in Palaeopathology. Paper presented at the Palaeopathology Association meeting (April 18-19), New Orleans, Louisiana.
- 2017 **Gilmour, R.J.**, Brickley, M., Jurriaans, E., Prowse T. Well-Trodden Roads: Skeletal Evidence for Sex-Related Mobility at the Roman Site of Vagnari, Italy. Paper presented at the Annual Meeting of the Archaeological Institute of America (January 5-8), Toronto, Ontario.
- 2016 **Gilmour, R.J.**, Brickley, M., Jurriaans, E., Prowse T. Greater Levels of Habitual Activity Produce Lower Risk for Dysfunction Following Fracture: Evidence from Two Roman Communities. Paper presented at the Annual Meeting for The Canadian Association for Physical Anthropology (October 26-29), Peterborough, Ontario.
- 2016 **Gilmour, R.J.**, Brickley, M., Jurriaans, E., Prowse T. A New Method to Assess Bone Loss in Radiographs of Fragmentary Second Metacarpals. Poster presented at the Palaeopathology Association meeting (April 12-13), Atlanta, Georgia.
- 2015 Brickley, M. Lockau, L. **Gilmour, R.**, Dragomir, A-M., Mant, M., Watamaniuk, L., Menard, J-P. Musket Trauma in the War of 1812: Insights from Experimental Work on the Battle of Stoney Creek. Paper presented at the British Association of Biological Anthropology and Osteoarchaeology meeting (September 18-20), Sheffield, United Kingdom.
- 2013 **Gilmour, R.J.**, Brickley, M., Prowse, T. Functional Impairment and Physical Stress in the Past: How Physiotherapy Ideologies Can Contribute to Bioarchaeological Interpretations. Poster presented at the American Association of Physical Anthropology meeting (April 9-13), Knoxville, Tennessee.
- 2013 Brickley, M. Dragomir, A.M., **Gilmour, R.**, Lockau, L. & Mant, M. Estimation of Age-at-Death in Fragmentary and Commingled Human Remains, Use of Epiphyseal Fusion and the Auricular Surface: Findings from The Battle of Stoney Creek in Hamilton, Canada. Poster presented at British Association of Biological Anthropology and Osteoarchaeology meeting (September 13-15), York, UK.
- 2012 **Gilmour, R.J.** Long-Term Consequences of Healed Fractures: A Preliminary Analysis of Bilateral Asymmetry in Roman Civilians. Poster presented at the North American Palaeopathology Association meeting (April 9-11), Portland, Oregon.

- 2012 Lockau, L., **Gilmour, R.J.**, Mant, M., Watamaniuk, L., Dragomir, A.M., & Brickley, M. Gunshot Trauma from the War of 1812: Experimental Reconstruction of the Range of Fire with Application to the Smith's Knoll Site, Ontario, Canada. Paper presented at the North American Palaeopathology Association meeting (April 9-11), Portland, Oregon.
- 2012 Lockau, L. Dragomir, A.M., **Gilmour, R.**, Mant, M., Watamaniuk, L., Brickley, M. Behind the Behinds: An Experimental Examination of Musket Trauma in War of 1812 Soldiers from the Smith's Knoll Site in Southern Ontario. Paper presented at the Canadian Association of Physical Anthropologists meeting (November 7-10), Victoria, British Columbia.
- 2012 Brickley, M., Dragomir, A.M., **Gilmour, R.**, Lockau, L., Mant, M., & Watamaniuk, L. Application of Epiphyseal Development to Estimation of Age-at-Death in Fragmentary and Comingled Human Remains: Findings from the Battle of Stoney Creek in Hamilton. Paper presented at the Canadian Association of Physical Anthropologists meeting (November 7-10), Victoria, British Columbia.
- 2010 **Gilmour, R.J.** Broken Romans. Paper presented at the European Palaeopathology Association meeting (August 23-26), Vienna, Austria.

Discussant

- 2021 Panelist on the 'Healthcare Careers' Panel for the virtual, 2021 International Women in Science (iWiSci) conference.
- 2020 Panelist in a virtual Canadian Association of Physical Anthropology session entitled *Undergraduate Student Luncheon* (November 4, 2020). Topics covered included themes of general interest to undergraduate (academics, research, careers, etc.). Panelists included: Dr. Nicole Burt (Cleveland Museum of Natural History), bioarchaeologist Dr. Rebecca Gilmour (Mount Royal University), primatologist Dr. Travis Steffens (University of Guelph), palaeoanthropologist Dr. Bence Viola (University of Toronto), and human biologist Dr. Warren Wilson (University of Calgary).

CAMPUS OR DEPARTMENTAL TALKS

- 2022 Anthropology Affiliation of MRU (AAMRU), invited speaker in the AAMRU speaker series. Talk entitled *Exploring the Bioanthropology of Impairment and Disability* (Feb 11th)
- 2016 Forensic Anthropology lecture developed and delivered to the SHAD Program at McMaster (exceptional Canadian and international high school students) (July 21st).
- 2016 Designed and delivered lectures and labs on skeletal age and sex estimation for the SHAD Program at McMaster (exceptional Canadian and international high school students) in collaboration with the Department of Anatomy, McMaster University (July 20th and 21st).

TEACHING EXPERIENCE

Teaching Education

- 2019 Creating a Positive Learning Environment (DEV 101), The Center for Teaching & Learning, Humber College
- 2019 Participant in an Active Learning Showcase at McMaster University, in preparation for teaching Human Skeletal Biology and Bioarchaeology as an active learning course in Fall 2019
- 2016 Principles and Practices of University Teaching (Education 750), McMaster Institute for Innovation and Excellence in Teaching and Learning (MIETL), McMaster University

Courses Instructed

Current Institution:

	Fall 2020	Winter 2021	Fall 2021	Winter 2022	Fall 2022	Winter 2023
Mount Royal University						
Primatology and Human Evolution	3 sections [online]	X [online]	2 sections [online]	2 sections [online]	2 sections [online]	
Human Osteology		X [online]		X [blended]		X
Forensic Anthropology		X [online]				X
Statistics for Anthropology			X [hyflex]		X	

Previous Institutions

	Winter 2020	Fall 2019	Winter 2019	Fall 2018	Winter 2017
McMaster University					
Human Skeletal Biology and Bioarchaeology		X	X		
Introduction to Anthropology: Sex, Food, Death	X	2 Sections	X	X	
Introduction to Biological Anthropology		X		X	
(Dis)ability & Care: Bioarchaeological Perspectives	X			X	
Advanced Skeletal Biology and Bioarchaeology			X		
Forensic Anthropology	X		X		X

	Winter 2018	Fall 2017
University of Guelph-Humber		
Principles of Anthropology	X	X

Humber College Institute of Technology & Advanced Learning		
Principles of Anthropology		2 Sections
Physical Anthropology	3 Sections	X

Students Supervised

Undergraduate:

- 2021-2022 Maris Schneider Honours Undergraduate Student
Addressing issues of archaeological skeletal preservation for cortical bone thickness analyses: Using the metacarpal array to investigate bone loss
 Mount Royal University Human Research Ethics Board (MRU Application # 102690)
- 2020 (Winter) Katherine Brent Independent Study Student
 Investigated femoral cross sections from Belleville, Ontario.

Other Teaching Facilitation & Innovation:

Examples of my teaching innovation in active learning courses on human osteology and various bioarchaeological topics (e.g., the Bioarchaeology of (Dis)Ability & Care) can be found at:

<http://www.rebeccagilmour.ca/teaching>

- 2021-Present Experiential Learning: took the Statistics for Anthropology class to a pioneer cemetery (St. Mary's, Calgary) with collaboration with City of Calgary Cemeteries (Joe Blunden, Cemeteries Operations Superintendent) to collect data for quantitative analysis projects.
- 2021-Present Designed and developed take-home Human Osteology laboratory kits (Living Room Labs) that included a complete plastic human skeleton model and numerous supplies for various at-home active learning experiences (e.g., fabric juvenile skeleton for epiphyseal fusion, playdoh for growth center modelling, etc.).
- 2021 Organized weekly, conference style guest speakers for a Human Osteology course. Speakers introduced students to a variety of osteological research methods and questions to broaden their scope within the discipline (Winter term 2021)
- 2019, 2018 Organized a Q&A with Marina Elliott, and other 'Underground Astronauts' of the *Homo naledi* Rising Star Expedition, to Skype with my Introduction to Biological Anthropology class; invitations were also extended to the Department of Anthropology, McMaster University (November 8th, 2018; November 13th, 2019).
- 2018 Supervised and conducted the radiographic imaging portion of the 3-day course, 'Bring your own teeth' a practical course on using teeth to investigate vitamin D deficiency, at McMaster University (July 31st). Organized by Drs. Megan Brickley and Lori D'Ortenzio.

OTHER RESEARCH, FIELD & LABORATORY EXPERIENCE

- 2019-present **CRICC: Cranfield Recovery and Identification of Conflict Casualties Team Member**
Available for deployment as a forensic archaeologist and anthropologist.
- 2017-2020 **Scientific Illustration and Figure Preparation**
Contracted to prepare figures and illustrations for various biological anthropology academic publications, textbooks, press releases, and events.
Illustrations/figure production for various publications (see Publications section above).
- 2014, 2011 **Smith's Knoll – Battle of 1812 Bioarchaeological Analysis**
Osteological Assistant
Project directed by Dr. Megan Brickley, McMaster University
Aided Laura Lockau in recording and cataloguing skeletal remains, constructing experimental proxies for ballistic trauma assessment. Also operated a portable digital X-Ray unit for radiography of fractured and potentially fractured elements.
- 2015, 2014 **Radiation Safety Training**
Completed Radiation Safety Training course at McMaster University
Two days thorough training in radiographic safety and the use of a VIDISCO portable digital X-ray unit.
- 2013-2014 **Ph.D. Fieldwork and Data Collection**
Travelled to, analyzed, and radiographed Roman period skeletal collections at:
 - English Heritage, Fort Cumberland, Southsea, UK
 - Kulturfabrik Hainburg, Hainburg an der Donau, Austria
 - Archäologiezentrum Mauerbach, Mauerbach, Austria
 - Hungarian Natural History Museum, Budapest, Hungary
- 2013 **Bioarchaeological Field School at Vagnari, Italy**
Assistant Archaeological Field Supervisor
Project directed by Dr. Tracy Prowse, McMaster University
Instructed and supervised field school students in excavation, documentation, and post-excavation processing of archaeological human remains at a Roman cemetery.
- 2010-2011 **University of Pennsylvania Umm an-Nar Research Project (Bat, Oman)**
Archaeological Trench Supervisor and Illustrator
Project directed by Dr. Gregory Possehl
Over two seasons, I illustrated (ink and Adobe Illustrator) small finds and site documentations, as well as supervised volunteer illustrators and local workmen in the excavation and documentation of a Bronze Age site at Bat, Oman.
- 2010 **Pre-Construct Archaeology (Contract Archaeology Firm, Durham, UK)**
Site Excavation Assistant and On-site Osteologist
Excavated and documented a Quaker cemetery at North Shields, Newcastle upon Tyne, UK and completed post-excavation preparation and storage of human remains.

2008 **Archäologie Service (A-S)** (Contract Archaeology Firm, Vienna, Austria)
 Osteoarchaeological Site Excavation Assistant
 Assisted in the excavation and documentation of a Roman cemetery at Carnuntum,
 Austria.

SERVICE TO PROFESSION

2022-2026 CABA-ACAP Secretary-Treasurer
 2022-Present Executive Board Member, Archaeological Society of Alberta (ASA): Calgary, MRU Representative
 2018-2022 Member of the AAPA Program Committee (2019 - 2023 meetings)
 2022 CABA-ACAP Student Representative Search Committee Chair
 2022 CABA-ACAP Special Membership Representative Search Committee Chair
 2022 Judge for the CABA-ACAP Student Poster and Podium Awards (Oschinsky-McKern Award [podium]; Davidson Black Award [poster])
 2021 Member of the CAPA ad hoc committee on Indian Residential Schools
 2021 Member of the CAPA committee created to draft a new Vice President Role description
 2021 Chair of the Bioarchaeology subcommittee for program organization at the AAPA 2021 meetings.
 2018 Judge for the PPA Cockburn Student Award, Palaeopathology Meeting, Austin, Texas

Reviewer Activity:

Journal/Book	2018	2019	2020	2021	2022
<i>International Journal of Osteoarchaeology</i>			1	1	
<i>American Journal of Physical Anthropology</i>		1	1	1	1
<i>International Journal of Palaeopathology</i>		2			
<i>American Journal of Human Biology</i>					1
<i>National Science Foundation (NSF), USA</i>					1
<i>University of Toronto Press</i>					1 textbook
<i>Behaviour in Our Bones</i> Elsevier. Co-edited by: Cara Hirst, Rebecca J. Gilmour, Kimberly Plomp, and Francisca Alves Cardoso					Whole volume
<i>Introduction to Evolutionary Anthropology</i> University of Toronto Press, S Lehman					1

Evolving Health: Palaeopathology and Evolutionary Medicine
Oxford University Press. Co-edited by: Kimberly Plomp, Charlotte Roberts,
Sarah Elton, and Gillian Bentley

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Explorations: An Open Invitation to Biological Anthropology
Open access textbook project (Society for Anthropology in Community
Colleges (SACC)

1

TOTAL

1

3

3

2

6

UNIVERSITY SERVICE

Committees:

2022-2024 Library Student Research Awards Committee

2021-2024 Scholarship Review Committee

FACULTY SERVICE

Committees:

2021-2022 Endeavour Fund and AADS

2020-2021 Faculty Development Funding Committee (FDC)

DEPARTMENTAL SERVICE

Committees:

2021-Present Humphrey's Award (Archaeological Society of Alberta, Calgary) Committee Chair

2021-2023 Standing Hiring Committee (Department of Sociology & Anthropology)

2021-2022 Faculty Advisor to the Anthropology Affiliation MRU (AAMRU)

2021-2022 Hiring Committee (Archaeology Position 1)

2021-2022 Hiring Committee (Archaeology Position 2)

2021-2022 Hiring Committee (Cultural Anthropology Position)

2020-Present Making the Most of Your Major – Helping undergraduates succeed following graduation
- Chair of committee in 2022-2023

2020-2021 Anthropology Curriculum Committee

2020-2021 Sociology & Anthropology MRU Events Committee

2020-2021 Anthropology Awards Committee

Selected Student Professional Development Activity Examples:

- Organized and hosted a “CRM Archaeology Information Session” featuring Kari Carter (Ecofor Consulting) for Anthropology students at MRU (March 4, 2022)
- Contributed to an Honours thesis workshop in the Anthropology/Sociology Department at MRU (March 11, 2022)
- Hosted a ‘Getting into Graduate School’ webinar for upper level Sociology & Anthropology students at MRU (March 26, 2021)
- Active in Honours degree program recruitment (e.g., attend and co-host annual information meeting for students; February 26, 2021)

Selected Recruitment Endeavor Examples:

- Anthropology Information Session Recruitment Event (January 21, 2022)
- Participated in the New Student Orientation for Anthropology students at MRU. Held via Google Meets (Sept 7, 2021)
- Represented the Anthropology Discipline at the Mount Royal University Open House & anthropology student presentation (pre-recorded video, October 20th & 26th)
- Participated in the New Student Orientation for Anthropology students at MRU. Held via Google Meets (September 2, 2020).
- Represented the Anthropology Department at McMaster University recruitment events (Fall Preview: November 16th, 2019; October 27th, 2018)
- Co-lead tours of high school students through the biological anthropology teaching lab at McMaster University (Winter 2016).

COMMUNITY SERVICE

2021-Present Archaeological Society of Alberta – MRU Liaison to the Executive Committee

OTHER SELECTED SERVICE ITEMS

Outreach:

- Participated in an outreach video organized by Mario Trono, Department of English, Languages, and Cultures Interviewed for a suite of 5 videos that present various promotions for/defenses of the liberal arts

Student Mentorship Activities:

- Attending and supporting AAMRU endeavors
- Assistant and co-organizer of a repatriation project involving biological anthropology graduate students (Winter 2018-2020). This project involves the coordination and supervision of five graduate students in methods and techniques of skeletal inventory for repatriation purposes. I will remain involved in the writing up and synthesis of this project while at MRU.
- Panelist on the McMaster Anthropology Society (Undergraduate) “Graduate School Information Session” (October 25th, 2018)

- Participant in the graduate student weekly seminar with Dr. Heather Battles (University of Auckland) on graduate student life and career preparation (September 26th, 2018)
- Panelist at the McMaster anthropology student graduate seminar about graduate fieldwork preparations, ‘Proposal to Reality’ (November 10th, 2015)
- Panelist at the undergraduate McMaster Student Association (MAS) on fieldwork and field school opportunities (October 7th, 2015).
- Panelist at the undergraduate McMaster Student Association (MAS) on graduate school applications (February 4th, 2015).
- Graduate student mentor to the McMaster Anthropology undergraduates (2014-2017)

COMMUNITY INVOLVEMENT/OUTREACH

2021 Public Talk for Penticton Museum & Archives Brown Bag Lecture series [Virtual]. *Stories in our Bones: Exploring Archaeological Skeletons & Learning from the Past*. (December 7, 2021).

MEDIA COVERAGE

Featured as an MRU anthropologist in the Arts Faculty promotional video, recorded by Mario Trono (2022)

Featured as a notable alumni for Simon Fraser University (SFU) Department of Archaeology 50th Anniversary celebrations.

Guest on [SciSection](#), a podcast also broadcast on iHeartRadio, Apple & Google Podcasts, and the Humans and Science website. [Interview](#) published online on November 11, 2020.

Guest on the student-run radio show/podcast, [Anthropologically Speaking](#), on November 20th, 2019. In this episode, we talked about my bioarchaeological experience and research on impairment in the past.

Feature of my research on fractures and impairment for the [McMaster University Brighter World](#) website.

Photo coverage of a bioanthropology/forensics workshop I designed for the American Association of Anatomists in a news article by the [Hamilton Spectator](#).

“Buck and Ball”: Identification and Interpretation of Buckshot Injuries to the Pelvis from the War of 1812 research was featured in the popular media, most notably on [Forbes.com](#).

RELATED PROFESSIONAL SKILLS & TRAINING

- Training in the safe operation of portable digital radiography equipment

- Professional illustration and scientific figure preparation using Adobe Illustrator and Photoshop
- Digital image analysis using ImageJ
- Thorough comprehension and use of SPSS and basic use of R statistical software
- CRC/SSHRC Unconscious bias training

COURSES CURRENTLY PREPARED TO TEACH

First Year Undergraduate:

Primatology and Human Evolution

Introduction to Anthropology: Sex, Food, and Death

Introduction to Anthropology: Principles of Anthropology (a broad, first-year survey course)

Second Year Undergraduate:

Introduction to Biological Anthropology

Human Skeletal Biology and Bioarchaeology / Human Osteology

Advanced Undergraduate (Third and Fourth Year) or Graduate:

Forensic Anthropology

(Dis)ability & Care: Bioarchaeological Perspectives

Statistics for Anthropologists

Advanced Bioarchaeology and Skeletal Biology

LANGUAGES

English	Fluent
German	Excellent written and spoken
French & Dutch	Basic spoken and reading comprehension

PROFESSIONAL MEMBERSHIPS

Year membership initiated:

2009	Palaeopathology Association (PPA)
2009	British Association for Biological Anthropology & Osteoarchaeology (BABAO)
2011	Canadian Association of Biological Anthropologists (CABA)
2011	American Association of Biological Anthropologists (AABA)
2021	Canadian Archaeological Association (CAA)
2021	Archaeological Society of Alberta (ASA)