

JULIO MERCADER FLORÍN

Associate Professor

Department of Anthropology and Archaeology
University of Calgary
2500 University Drive NW
Calgary, Alberta, Canada
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Research Associate

Department of Archaeology
Max Planck Institute for the Science of Human History
Kahlaische Strasse 10
07745 Jena
Germany

Education

1997

Ph.D. in Archaeology and Ethnography, Universidad Complutense de Madrid, Spain

1992

M.A. in Prehistory, Universidad Complutense de Madrid, Spain

1989

B.A. in Geography and History, Universidad Complutense de Madrid, Spain

Professional Experience

2003 - Current

Associate Professor, Department of Anthropology and Archaeology,
University of Calgary, Canada

2001 - 2003

Lecturer, Department of Anthropology, George Washington University, USA

2000 - 2001

Postdoc, Smithsonian Tropical Research Institute, USA

1997 - 1999

Postdoc, Smithsonian Institution, George Washington University, USA

Grants

2016 - Current (till. 2023)

Social Sciences and Humanities Research Council Partnership Grant (\$2,500,000)

2015

Principal Investigator, Stone Tools, Diet and Sociality at the Dawn of Humanity
University of Calgary Research Grant (\$15,000) Research stipend to conduct fieldwork
in Tanzania

2012 - 2016

Social Sciences and Humanities Research Council Insight Research Grant (\$188,825)

2012

Research stipend to conduct fieldwork in Zimbabwe
National Geographic Society Grant (\$11,000) Research stipend to conduct fieldwork in
Zimbabwe

2012

University of Calgary Research Grant (\$18,000) Research stipend to conduct fieldwork
in Zimbabwe

2011

Wenner Gren Foundation (\$20,000) Research stipend for fieldwork in Mozambique

2011

University of Calgary International Grant (\$9,000) Establish a field school in
Mozambique

Contact

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Website:

- olduvaigorgesds.com

- shh.mpg.de/person/99389/2375/

- antharky.ucalgary.ca/profiles/julio-mercader-florin/

Social Media: twitter.com/olduvaigorgeSDS/

ORCID: orcid.org/0000-0002-5637-7937

JULIO MERCADER FLORÍN

Associate Professor

2007	Social Sciences and Humanities Research Council Standard Research (\$174,500) Research stipend to conduct fieldwork in Mozambique
2007	National Geographic Research Grant (\$17,000) Explore the Middle Stone Age of Northern Mozambique
2006	Smithsonian Institution American Embassy in Maputo (Mozambique) Ambassador's Cultural Preservation Fund Award (\$34,000) Open a museum in Niassa, Mozambique
2006	University of Calgary International Grant (\$9,500) Research Stipend to conduct fieldwork in Mozambique
2005	University of Calgary International Grant (\$7,000) Research Stipend to conduct fieldwork in Mozambique
2004	Max Planck Institute (\$24,000) Research stipend to conduct fieldwork in the Tai forest of Ivory Coast
2004	University of Calgary Innovator Research Grant (\$ 20,000) Fieldwork in Mozambique
2003 - 2013	Canada Research Chair (\$150,000) Research stipends to conduct fieldwork
2003	Canada Foundation for Innovation, (\$111,046) Construction of the Tropical Archaeology Laboratory at the University of Calgary
2001	Max Planck Institute (\$13,000) Research stipend to conduct fieldwork in the Tai forest of Ivory Coast
2001	National Geographic Society Grant (\$5,850) Principal Investigator, Chimpanzee archaeology in the tropical forests of Ivory Coast (7097-01)
1998	National Science Foundation Research Grant (\$26,000) Hunter-gatherer settlement of the African lowland forest belt: Archaeology in the rainforest of Equatorial Guinea (SBR-9812972)
1998	Wildlife Conservation Society (\$16,000) Research stipend to conduct fieldwork in Cameroon
1998	The Swan Fund Research Grant (\$2,000) Hunter-gatherer settlement of the African lowland forest belt: Archaeology in the rainforest of Equatorial Guinea (056828)
1998	Smithsonian Institution (\$1,800) Laboratory work at the Smithsonian Tropical Research Institute, Panama

Refereed Publications

2020	Petrographic Characterization of Raw Material Sources at Oldupai Gorge, Tanzania Favreau, J., Soto, M., Nair, R., Bushozi, P.M., Clarke, S., DeBuhr, C.L., Durkin, P.R., Hubbard, S.M., Inwood, J., Itambu, M., Larter, F., Lee, P., Marr, R.A., Mwambwiga, A., Patalano, R., Tucker, L., Mercader, J. <i>Frontiers</i>
2020	Tucker, L., Favreau, J., Itambu, M., Larter, F., Mollé, N., Mwambwiga, A., Patalano, R., Roberts, P., Soto, M., Mercader, J. Initial assessment of bioavailable strontium at Oldupai Gorge, Tanzania: Potential for early mobility studies. <i>Journal of Archaeological Science</i> . Volume 114. https://doi.org/10.1016/j.jas.2019.105066
2020	Soto, M., Favreau, J., Campeau, K., Carter, T., Abtosway, M., Bushozi, P. M., Clarke, S., Durkin, P. R., Hubbard, S. M., Inwood, J., Itambu, M., Koromo, S., Larter, F., Lee, P., Mwambwiga, A., Nair, R., Olesilau, L., Patalano, R., Mercader, J. Fingerprinting of quartzitic outcrops at Oldupai Gorge, Tanzania. <i>Journal of Archaeological Science: Reports</i> . Volume 29. doi.org/10.1016/j.jasrep.2019.102010

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- 2019 Mercader, J., Clarke, S., Bundala, M., Favreau, J., Inwood, J., Itambu, M., Larter, F., Lee, P., Lewiski-McQuiadm G., Mollel, N., Mwambwiga, A., Patalano, R., Soto, M., Tucker, L., Walde, D. Soil and plant phytoliths from the Acacia-Commiphora mosaics at Oldupai Gorge (Tanzania). PeerJ 7:e8211 <https://doi.org/10.7717/peerj.8211>
- 2019 Nightingale, S., Schilt, F., Thompson, J.C., Wright, D.K., Forman, S., Mercader, J., Moss, P., Clarke, S., Itambu, M., Gomani-Chindebv, E., Welling, M.. Late Middle Stone Age Behavior and Environments at Chaminade I (Karonga, Malawi). *J Paleo Arch* 2, 258–297 doi:10.1007/s41982-019-00035-3
- 2019 Soto, M., Inwood, J., Clarke, S., Crowther, A., Covelli, D., Favreau, J., Itambu, M., Larter, S., Lee, P., Lozano, M., Maley, J., Mwambwiga, A., Patalano, P., Sammynaiken, R., Verges, J., Zhu, J., Mercader, J. Structural characterization and decontamination of dental calculus for ancient starch research. *Archaeological and Anthropological Sciences* 11 :1–26. doi.org/10.1007/s12520-019-00830-7
- 2019 Lee, P., Koromo, S., Mercader, J., Mather, C. Scientific facts and oral traditions in Oldupai Gorge, Tanzania: symmetrically analysing palaeoanthropological and Maasai black boxes. *Social Science Information* doi: 10.1177/0539018419380333
- 2018 Proffitt, T., Haslam, M., Mercader, J., Boesch, C., Luncz, L. Revisiting Panda 100, the first archaeological chimpanzee nut-cracking site. *Journal of Human Evolution* 124: 117–139.
- 2018 Mercader, J., Abtosway, M., Bird, R., Bundala, M., Clarke, S., Inwood, J. Itambu, M., Larter, F., Patalano, R., Soto, M., Tucker, L., Walde, D. Morphometrics of starch granules from Sub-Saharan plants and the taxonomic identification of ancient starch. *Frontiers in Earth Science* 6(146) doi: 10.3389/feart.2018.00146.
- 2018 Mercader, J., Abtosway, M., Bird, R., Bundala, M., Clarke, S., Inwood, J. Itambu, M., Larter, F., Patalano, R., Soto, M., Tucker, L., Walde, D. Morphometrics of starch granules from Sub-Saharan plants and the taxonomic identification of ancient starch. *Frontiers in Earth Science* 6(146) doi: 10.3389/feart.2018.00146.
- 2018 Shipton, C., Roberts, P., Arche, W., Armitage, S., Bitá, C., Blinkhorn, J., Courtney-Mustaphi, C., Crowther, A., Curtis, R., 'Errico, F., Douka, K., Faulkner, P., Groucutt, H., Helm, R., Herries, A., Jembe, S., Kourampas, N., Lee-Thorp, J., Marchant, R., Mercader, J., Pitarch Marti, A., Prendergast, M., Rowson, B., Tengeza, A., Tibesasa, R., White, T., Petraglia, M., Boivin, N. 78,000-year-old record of Middle and Later Stone Age innovation in an East African tropical forest. *Nature Communications* 9(1): 1832
- 2017 Mercader, J., Abtosway, M., Baquedano, R., Bird, R., Díez-Martin, F., Domínguez-Rodrigo, M., Favreau, J., Itambu, M., Lee, P., Mabulla, A., Patalano, R., Pérez-González, A., Santonja, M., Tucker, L., Walde, D. Starch contamination landscapes in field archaeology: Olduvai Gorge, Tanzania. *BOREAS* 46(4): 918–934.
- 2017 Domínguez-Rodrigo, M., Baquedano, E., Mabulla, A., Mercader, J., Egeland, C.P. Paleoecological reconstructions of the Bed I and Bed II lacustrine basins of Olduvai Gorge (Tanzania) and their impact on early human behavior. *Palaeogeography, Palaeoclimatology, Palaeoecology* 488: 1–8.

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- 2016 Mercader, J., Favreau, J., Itambu, M., Patalano, R. Acheulean Prepared Core Technologies from the Eastern Zimbabwe Escarpment, Maunganidze (Manicaland). *Journal of Archaeological Science: Reports* 8: 47–62.
- 2016 Wright, D., Thompson, J., Scilt, F., Cohen, A., Choi, J., Mercader, J., Nightingale, S., Miller, C., Mentzer, S., Walde, D., Welling, M., Comani-Chindebyu, E. Approaches to Middle Stone Age landscape archaeology in tropical Africa. *Journal of Archaeological Science* 77: 1–14.
- 2014 Crowther, A., Haslam, M., Oakden, N., Walde, D., Mercader, J. Documenting contamination in ancient starch laboratories. *Journal of Archaeological Science* 49: 90–104.
- 2013 Mercader, J., Bennett, T., Esselmont, C., Simpson, S., Walde, D. Phytoliths from Middle Stone Age Habitats in the Mozambican Rift (105–29ka). *Journal of Human Evolution* 64: 328–336.
- 2013 Mercader, J., Sillen, P. Middle and Later Stone Age sites from Sofala, Gorongosa (Central Mozambique). *Nyame akuma* 80: 3–13.
- 2012 Mercader, J., Gosse, J., Bennett, T., Hidy, A.J., Rood, D.H. Cosmogenic Nuclide Age Constraints on Middle Stone Age Lithics from Niassa. *Quaternary Science Reviews* 47: 116–130.
- 2011 Mercader, J., Bennett, T., Esselmont, C., Simpson, S., Walde, D. Soil phytolith from Miombo woodlands in Mozambique. *Quaternary Research* 75: 138–150.
- 2010 Mercader, J., Astudillo, F., Barkworth, M., Bennett, T., Esselmont, C., Kinyanjui, R., Laskin Grossman, D., Simpson, S., Walde, D. Poaceae phytoliths from the Niassa Rift, Mozambique. *Journal of Archaeological Science* 37: 1953–1967.
- 2009 Mercader, J. Mozambican grass seed consumption during the Middle Stone Age. *Science* 326: 1680–1683.
- 2009 Mercader, J., Bennett, T., Esselmont, C., Simpson, S., Walde, D. Phytoliths in woody plants from the Miombo Woodlands of Mozambique. *Annals of Botany*, 104(1): 91–113.
- 2009 Mercader, J., Asmerom, Y., Bennett, T., Raja, M., Skinner, A. Initial excavation and dating of Ngalue Cave: A Middle Stone Age site along the Niassa Rift, Mozambique. *Journal of Human Evolution* 57(1): 63–74.
- 2009 Haslam, M., Hernandez-Aguilar, A., Ling, V., Carvalho, S., de la Torre, I., DeStefano, A., Du, A., Hardy, B., Harris, J., Marchant, L., Matsuzawa, T., McGrew, W., Mercader, J., Mora, R., Petraglia, M., Roche, H., Visalberghi, E., Warren, R. Primate archaeology. *Nature* 460: 339–344.
- 2008 Mercader, J., Bennett, T., Raja, M. Middle Stone Age starch acquisition in the Niassa Rift, Mozambique. *Quaternary Research* 70: 283–300.
- 2007 Mercader, J., Barton, H., Gillespie, J., Harris, J., Kuhn, S., Tyler, R., Boesch, C. 4300-year-old chimpanzee sites and the origins of percussive stone technology. *Proceedings of the National Academy of Sciences* 104(9): 3043–3048.
- 2006 Mercader, J., Marti, R., Wilkins, J., Fowler, K. The Eastern periphery of the Yoruba Cultural Sphere: ceramics from the lowland rainforests of Southwestern Cameroon. *Current Anthropology* 47(1): 173–184.
- 2004 de la Torre, I., deBeaune, S., Davidson, I., Gowlett, J., Hovers, E., Kimura, Y., Mercader, J. Omo revisited: evaluating the technological skills of Pliocene hominids. *Current Anthropology* 45(4): 439–465.
- 2003 Mercader, J., Martí, R., González, I., Sánchez, A., García, P. Archaeological site formation in tropical forests: insights from the Ituri rock shelters, Congo. *Journal of Archaeological Science* 30(1): 45–65.

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- 2003 Mercader, J., Martí, R., González, I.J., Sanchez, A., García, A. Archaeological site formation in rain forests: insights from the Ituri rock shelters, Congo. *Journal of Archaeological Science* 30(1): 45–65.
- 2002 Mercader, J. Forest people: the role of African rainforests in human evolution and dispersal. *Evolutionary Anthropology* 11(3): 117–124.
- 2002 Mercader, J., Panger, M., Boesch, C. Excavation of a chimpanzee stone tool site in the African rainforest. *Science* 296: 1452–1455.
- 2002 Mercader, J., Martí, R., Martínez, J., Brooks, A. The nature of ‘stone-lines’ in the African Quaternary Record: archaeological resolution at the rainforest site of Mosumu, Equatorial Guinea, *Quaternary International* 89: 71–96
- 2001 Mercader, J., Brooks, A. Across forests and savannas: Later Stone Age assemblages from Ituri and Semliki, Northeast Democratic Republic of Congo. *Journal of Anthropological Research* 57(2): 197–217.
- 2001 Mercader, J., Garralda, M.D., Pearson, O., Bailey, R. 800 year old human remains from the tropical forest of Ituri, Democratic Republic of Congo: the rock shelter site of Matangai Turu Northwest. *American Journal of Physical Anthropology* 115: 24–37.
- 2000 Mercader, J., García-Heras, M., González, I. Ceramic tradition in the African forest: characterization analysis of ancient and modern pottery from Ituri, Democratic Republic of Congo. *Journal of Archaeological Science* 27(2): 163–182.
- 2000 Mercader, J., Runge, F., Vrydaghs, L., Doutrelepon, H., Corneille, E., Juan-Treserras, J. Phytoliths from archaeological sites in the tropical forest of Ituri, Democratic Republic of Congo. *Quaternary Research* 54: 102–112.
- 2000 Mercader, J., Rovira, S., Gómez, P. Shared Technologies: Later Stone Age forager–farmer interaction and metallurgy in the Ituri Rainforest, Democratic Republic of Congo. *Azania*. 35: 107–122.
- 2000 Martí, R., Mercader, J., Fernández, N. El origen de la ocupación humana en la isla de Bioko. *Arqueología, historia y etnografía. Revista de arqueología* 232: 14–23.
- 2000 Mercader, J., Martí, R. Guinea Ecuatorial: Cazadores–recolectores del Pleistoceno Superior en el cinturón forestal centroafricano. *Revista de arqueología* 227: 6–15.
- 2000 Mercader, J., Rovira, S., Gómez-Ramos, P. Forager–farmer interaction and ancient iron metallurgy in the Ituri rainforest, Democratic Republic of Congo. *Journal of the British Institute in Eastern Africa* 35(1): 107–122.
- 1999 Mercader, J., Martí, R. Middle Stone Age sites in the tropical forests of Equatorial Guinea. *Nyame Akuma* 51: 14–24.
- 1999 Mercader, J., Martí, R. Archaeology in the tropical forest of Banyang–Mbo, Southwest Cameroon. *Nyame akuma* 52: 17–24.
- 1995 Mercader, J. La colonización del bosque lluvioso tropical centro-africano. *Complutum*, 6, 105–122.
- 1993 Mercader, J. Nuestros vecinos cazadores–recolectores al borde del siglo XXI: revisionismo y etnoarqueología en los estudios de caza–recolección. *Antropología* 4– 5:183–199.
- 1989 Mercader, J., Bustos, A.F.C., de Benito, M.E.G. Materiales Neolíticos en el Valle del Jarama (Arganda, Madrid). *Trabajos de Prehistoria*, 46, 255–260.
- 1989 Mercader, J. Nuevas perspectivas sobre el final de la caza–recolección y los inicios de la agricultura/ganadería. *Kalathos*, 10, 1989: 47–64.
- 1989 Mercader, J., Cortes, F. and Garcia, ME. Nuevos yacimientos neolíticos y de la edad del bronce en el término municipal de Madrid. *Estudios de Prehistoria y Arqueología Madrileñas*, 6: 21–82

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Associate Professor

in press
2020

Books Chapter
& Book Review (Refereed)
2006

2004

2003

2003

2001

Conference Presentations
from the last 5 years
2020

2019

2019

2019

2019

2019

2019

Soto, M., Favreau, J., Campeau, K., Carter, T., Durkin, P.R., Hubbard, S.M., Nair, R., Bushozi, P.M., Mercader, J. High-resolution Characterization of Quartzites in Sourcing Analysis: Intra-Outcrop Variability at Naibor Soit, Tanzania. 10.31219/osf.io/b4qtg - Anthropological and Archaeological Sciences (Springer)

Mercader, J. Modern Humans: Origins, Migrations, and Transitions. In: Anthropology (B.D. Miller and B. Wood, Eds.) Pearson, USA, pp. 222-253.
Mercader, J. Review of article: Omo Revisited. Evaluating the technological skills of Pliocene hominids. Current Anthropology 45(4): 459-460.
Mercader, J. Introduction: The Paleolithic settlement of rainforests. In: Under the Canopy: The Archaeology of Tropical Rain Forests (J. Mercader, Ed.) Rutgers University Press, New Brunswick, pp. 1-31.
Mercader, J., Martí, R. Chapter 2: The Middle Stone Age occupation of Atlantic Central Africa: new evidence from Equatorial Guinea and Cameroon. In: Under the Canopy: The Archaeology of Tropical Rain Forests (J. Mercader, Ed.) Rutgers University Press, New Brunswick, pp. 69-92.
Mercader, J. Review of book: Earth Sciences and Archaeology (P. Goldberg, V. Holliday, C.R. Ferring, Eds.) American Antiquity 67(2): 386.

Soto, M., & Mercader, J. Snapshots of the Canadian Research System through the SDS Project, Tarragona
Mercader, J., Durkin, P., Bushozi, P., Clarke, S., Favreau, J., Fella, K., Inwood, J., Itambu, M., Larter, F., Lee, P., Mohammed, A., Mwambwiga, A., Patalano, P., Soto, M., Hubbard, S. New Work at Ewass Oldupa and Engaji Nanyori (Beds I-IV, Olduvai Gorge, Tanzania). Paleoanthropology Society. Albuquerque, New Mexico, USA.

Soto, M., Clarke, S., Inwood, J., Roberts, P., Mercader, J. Decontaminating Archaeological Dental Calculus: A Protocol for Reliable Extractions. Society for American Archaeology. Albuquerque, New Mexico, USA.

Inwood, J., Larter, S., Oldenburg, T., Soto, M., Mercader, J. Molecular Starch Degradation and Their Fingerprints: Insights from Modern African Taxa. Society for American Archaeology. Albuquerque, New Mexico, USA.
Mercader, J., Larter, F., Favreau, J., Inwood, J., Soto, M. Microremains on Stone (Tools): Discriminating Function-Related from Natural Residues. Society for American Archaeology. Albuquerque, New Mexico, USA.

Lee, P., Inwood, J., Koromo, S., Olesilau, L., Mercader, J. Quantitatively and Qualitatively Evaluating the Impact that Palaeoanthropology Makes on the Lives of the Maasai People of Olduvai Gorge, Tanzania. Society for American Archaeology. Albuquerque, New Mexico, USA.

Mercader, J. Exploring the landscape legacy of human activity through phytoliths. Global Markers of the Anthropocene. Max Planck Institute for the Science of Human History. Berlin, Germany.

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Associate Professor

- 2018 Proffitt, T., Mercader, J., et al. Revisiting Panda 100: Reanalysis of the first archaeological chimpanzee nut cracking lithic assemblage and its relevance to understanding the emergence of hominin technology. European Society for the Study of Human Evolution. Faro, Portugal.
- 2018 Lee, P., Abtosway, M., Bird, R., Bundala, M., Favreau, J., Gerlach, C., Inwood, J., Itambu, M., Koromo, S., Larter, F., Mercader, J., Patalano, R., Rajdev, V., Soto, M., Tucker, L., Mather, C. Harmonising palaeoanthropological and Maasai versions of drought in Olduvai Gorge, Tanzania. Canadian Anthropology Society Annual Meeting, Santiago de Cuba.
- 2018 Mercader, J., Abtosway, M., Bird, R., Bundala, M., Bushozi, P., Clarke, S., Favreau, J., Itambu, M., Inwood, J., Larter, F., Lee, P., Patalano, R., Mollel, N., Mwambwiga, A., Rajdev, V., Soto, M., Tucker, L. Microbotanical proxies: The 'Stone Tools, Diet, and Sociality' reference collection at the University of Calgary. 24th meeting of the Society of Africanist Archaeologists. Toronto, Canada.
- 2018 Bundala, M., Abtosway, M., Clarke, S., Favreau, J., Inwood, J., Lee, P., Itambu, P., Larter, F., Soto, M., Tucker, L., Mercader, J. Phytoliths production in modern plants from Olduvai Gorge, Tanzania. 24th meeting of the Society of Africanist Archaeologists. Toronto, Canada.
- 2018 Favreau, J., Abtosway, M., Bird, R., Bundala, M., Bushozi, P., Clarke, S., Inwood, J., Itambu, M., Larter, F., Lee, P., Patalano, R., Mollel, N., Mwambwiga, A., Rajdev, V., Soto, M., Tucker, L., Mercader, J. Sourcing lithic raw materials through petrography in the Greater Serengeti region. 24th meeting of the Society of Africanist Archaeologists. Toronto, Canada.
- 2018 Inwood, J., Abtosway, M., Bird, R., Brown, M., Bundala, M., Bushozi, P., Clarke, S., Cox, M., Favreau, J., Itambu, M., Larter, F., Larter, S., Laposki, C., Luokkala, B., Lee, P., McRae, R., Mollel, N., Mwambwiga, A., Patalano, R., Rajdev, V., Soto, M., Trinkhaus, K., Tucker, L., Mercader, J. Identifying and characterizing a bio molecular indicator of malaria in West African archaeological skeletal remains. 24th meeting of the Society of Africanist Archaeologists. Toronto, Canada.
- 2018 Itambu, M., Abtosway, M., Bird, R., Bundala, M., Bushozi, P., Clarke, S., Favreau, J., Inwood, J., Larter, F., Lee, P., Patalano, R., Mollel, N., Mwambwiga, A., Soto, M., Tucker, L., Mercader, J. Modern soil phytoliths from Arusha ecoregion. 24th meeting of the Society of Africanist Archaeologists. Toronto, Canada.
- 2018 Patalano, R., Abtosway, M., Bird, R., Bundala, M., Bushozi, P., Clarke, S., Favreau, J., Inwood, J., Itambu, M., Larter, F., Lee, P., Mollel, N., Mwambwiga, A., Rajdev, V., Soto, M., Tucker, L., Mercader, J. Challenges with biomarker analysis of Hominin paleohabitats. 24th meeting of the Society of Africanist Archaeologists. Toronto, Canada.
- 2018 Soto, M., Abtosway, M., Bird, R., Bundala, M., Bushozi, P., Clarke, S., Favreau, J., Inwood, J., Itambu, M., Larter, F., Lee, P., Patalano, R., Mollel, N., Mwambwiga, A., Rajdev, V., Tucker, L., Mercader, J. Experimental protocol for decontaminating Sub-Saharan dental calculus. 24th meeting of the Society of Africanist Archaeologists. Toronto, Canada.
- 2018 Tucker, L., Abtosway, M., Bird, R., Bundala, M., Bushozi, P., Clarke, S., Favreau, J., Inwood, J., Itambu, M., Larter, F., Lee, P., Patalano, R., Mollel, N., Mwambwiga, A., Rajdev, V., Soto, M., Mercader, J. Bioavailable strontium and diagenesis of teeth in Northern Tanzania. 24th meeting of the Society of Africanist Archaeologists. Toronto, Canada.

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- 2018 Mercader, J. Raman and EDX explore authenticity, fossilization, and preservation of archaeological starch granules. Canadian Society of Chemists. Edmonton, Canada.
- 2017 Mercader, J., Patalano, R., Tucker, L. Stone Tools, Diet and Sociality at the Dawn of Humanity: Olduvai Gorge. Max Planck Institute for the Science of Human History. Jena, Germany.
- 2017 Mercader, J., Abtosway, M., Bird, R., Brown, M., Bundala, M., Bushozi, P., Clarke, S., Favreau, J., Gerlach, C., Inwood, J., Itambu, M., Larter, F., Larter, S., Lee, P., Malley, J., Mollel, N., Patalano, R., Rajdev, V., Sammynaiken, R., Soto, M., Tucker, L., Walde, D. Microbotanical Proxies in Palaeoanthropology: The Stone Tools, Diet, and Sociality reference collection at the University of Calgary as an underutilized resource for Canadian Bioanthropologists. Annual meeting of Canadian Association for Physical Anthropology. Edmonton, Canada.
- 2017 Mercader, J., Abtosway, M., Clarke, S., DeBuhr, C., Diez Martin, F., Dominguez-Rodrigo, M., Favreau, J., Itambu, M., Krause, F., Lee, P., Mabulla, A., Patalano, R., Tucker, L., Uribe Larrea, D., Walde, D. Fossilized starch shows Acheulean harvesting of yams 1.7 million years ago at Olduvai Gorge. Annual meeting of East African Association of Palaeoanthropology and Palaeontology. Addis Ababa, Ethiopia.
- 2017 Itambu, M., Mercader, J., Patalano, R., Diez-Martin, F., Dominguez-Rodrigo, M. Phytolith reconstructed landscapes during Bed II at Olduvai Gorge (Tanzania). Annual meeting of East African Association of Palaeoanthropology and Palaeontology. Addis Ababa, Ethiopia.
- 2017 Mercader, J., Abtosway, M., Baquedano Perez, E., Bird, R., Diez-Martin, F., Dominguez-Rodrigo, M., Favreau, J., Itambu, M., Lee, P., Mabulla, A., Patalano, R., Perez-Gonzalez, A., Santonja, M., Tucker, L., Walde, D. Ancient starch research: Contamination landscapes in field archaeology and laboratory practice. Annual meeting of the Canadian Archaeological Association. Ottawa, Canada.
- 2017 Mercader, J., Diez Martín, F., Domínguez-Rodrigo, M., Favreau, J., Itambu, M., Lee, P., Mabulla, P., Panera, J., Patalano, R., Pérez-González, A., Rojas, R., Rubio-Jara, S., Santonja, M., Tucker, L. Acheulean Hominin ecology: organic residue on lithics as evidence of plant processing. 82nd Annual Meeting of the Society for American Archaeology. Vancouver, Canada.
- 2017 Itambu, M., Domiguez-Rodrigo, M., Mabulla, A., Egeland, C., Diez-Martin, F., Pérez González, A., Santoja Gomez, M., Favreau, J., Tucker, L., Lee, P., Patalano, R., Mercader, J. Phytoliths Palaeolandscapes during Bed II at Olduvai Gorge (Tanzania). Annual Meeting of the Paleoanthropological Society. Vancouver, Canada.
- 2017 Lee, P., Bird, P., Bundala, M., Favreau, J., Itambu, M., Koromo, S., Mather, C., Patalano, R., Tucker, L., Baquedano, E., Dominguez-Rodrigo, M., Mabulla, A., Mercader, J. Digging for the past, present, and future: bridging Maasai and paleoanthropological practices in Olduvai Gorge, Tanzania. Annual Meeting of the Paleoanthropological Society. Vancouver, Canada.
- 2017 Tucker, L., Favreau, J., Itambu, M., Lee, P., Patalano, R., Baquedano, E., Dominguez-Rodrigo, M., Mabulla, A., Mercader, J. Preliminary study of bioavailable strontium ($87\text{Sr}/86\text{Sr}$) and assessment of diagenesis at Olduvai Gorge, Tanzania: proposed research and methodology. Annual Meeting of the Paleoanthropological Society. Vancouver, Canada.

JULIO MERCADER FLORÍN

Associate Professor

- 2017 Favreau, J., Itambu, M., Lee, P., Patalano, R., Tucker, L., Baquedano, E., Domínguez-Rodrigo, M., Mabulla, A., Mercader, J. Percussion technology and the potential for residue analysis at FLK-N, Olduvai Gorge. Annual Meeting of the Paleoanthropology Society. Vancouver, Canada.
- 2017 Patalano, R., Díez-Martín, F., Domínguez-Rodrigo, M., Favreau, J., Itambu, M., Lee, P., Mabulla, A., Martín Perea, D.M., Tucker, L., Uribelarrea, D., Mercader, J. Molecular isotopic analysis reveals details on the environmental context of the earliest Acheulean at Olduvai Gorge. Annual Meeting of the Paleoanthropology Society. Vancouver, Canada.
- 2016 Patalano, R., Itambu, M., Díez-Martín, F., Domínguez-Rodrigo, M., Favreau, J., Lee, P., Mabulla, A., Tucker, L., Mercader, J. Innovations in isotopes: plant biomarkers and the environmental context of the earliest Acheulean, Olduvai Gorge. 6th Annual Meeting of the European Society for the Study of Human Evolution. Madrid, Spain.
- 2016 Mercader, J., Díez-Martín, F., Domínguez-Rodrigo, M., Favreau, J., Itambu, M., Lee, P., Mabulla, A., Panera, J., Patalano, R., Pérez-González, A., Rojas, R., Santonja, M., Tucker, L. Acheulean ecology, diet, and technological behavior: plant residues from Olduvai Gorge. 6th Annual Meeting of the European Society for the study of Human Evolution. Madrid, Spain.
- 2016 Mercader, J. Stone Tools, Diet, and Sociality at the Dawn of Humanity. 5th Annual Partnership Grants Start-Up Meeting (SSHRC). Ottawa, Canada.
- 2016 Mercader, J. Of forests, lithics, molecular palaeontology, and false positives: cleanrooms to study microbotanical residues from Olduvai Gorge, Tanzania. Pantropica Conference at the Max Planck Institute. Frankfurt, Germany.
- 2016 Mercader, J., Bird, R., Bundala, M., Favreau, J., Itambu, M., Lee, P., Patalano, R., Tucker, L. New scientific methods in the study of lithic residue from palaeoanthropological sites: Olduvai Gorge. 44th Annual Meeting of the Canadian Association for Physical Anthropology. Peterborough, Canada.
- 2016 Lee, P., Bird, P., Bundala, M., Favreau, J., Itambu, M., Koromo, S., Mather, C., Patalano, R., Tucker, L., Mercader, J. Eseriani in the Cradle of Humankind: Avoiding Taboo in Olduvai Gorge, Tanzania. 49th Annual Chacmool Archaeology Conference. Calgary, Canada.
- 2016 Mercader, J., Christakis, P., Favreau, J., Ikayo, S., Itambu, M., Lee, P., Patalano, R., Tucker, L. Forensic residue analysis at Olduvai Gorge, Tanzania: methodological challenges in the study of tool use and diet. 85th Annual Meeting of the American Association of Physical Anthropologists. Atlanta, USA.

Conferences & Workshops Hosted in the last 5 Years

- 2019 The Stone Tools, Diet and Sociality Project, Oldupai Gorge. University of Dodoma, Tanzania
- 2019 Data Retrieval, Analysis and Sharing in Paleoanthropological Research, University of Dar es Salaam.
- 2019 Learning to Differentiate Natural and Anthropic Residues on Stone Tools, IPHES, Tarragona, Spain.
- 2018 Writing a Grant Application for Funding in Archaeological / Anthropological Sciences, University of Calgary, Canada.
- 2018 Community engagement in Human Origins Research, A Maasai Perspective on Olduvai Gorge, Karatu, Arusha, Tanzania.
- 2018 Biochemistry of Starch Degradation: Taphonomic Insights, University of Saskatchewan, Saskatoon, Canada
- 2017 Ancient Starch Research: Goals, Pitfalls, Possibilities, Zanzibar, Tanzania

JULIO MERCADER FLORÍN

Associate Professor

Conferences & Workshops Attended in the last 5 Years

2019	Society for American Archaeology. Albuquerque, New Mexico, USA.
2019	Max Planck Institute for the Science of Human History. Berlin, Germany.
2018	European Society for the Study of Human Evolution. Faro, Portugal.
2018	Canadian Anthropology Society Annual Meeting, Santiago de Cuba.
2018	24th meeting of the Society of Africanist Archaeologists. Toronto, Canada.
2018	Canadian Society of Chemists. Edmonton, Canada.
2017	Annual meeting of Canadian Association for Physical Anthropology. Edmonton, Canada.
2017	Annual meeting of East African Association of Palaeoanthropology and Palaeontology. Addis Ababa, Ethiopia.
2017	Annual meeting of the Canadian Archaeological Association. Ottawa, Canada.
2017	82nd Annual Meeting of the Society for American Archaeology. Vancouver, Canada.
2017	Annual Meeting of the Paleanthropology Society. Vancouver, Canada.
2016	6th Annual Meeting of the European Society for the study of Human Evolution. Madrid, Spain.
2016	5th Annual Partnership Grants Start-Up Meeting (SSHRC). Ottawa, Canada.
2016	44th Annual Meeting of the Canadian Association for Physical Anthropology. Peterborough, Canada.
2016	49th Annual Chacmool Archaeology Conference. Calgary, Canada.
2016	85th Annual Meeting of the American Association of Physical Anthropologists. Atlanta, USA.

Invited Speaker in the last 5 Years

2020	Human Origins in East Africa: Canadian-led expedition to Oldupai Gorge, Tanzania (Winnipeg)
2020	Human Origins in the East African Cradle (Calgary)
2020	Publishing your first Article, Graduate student workshop, UofC
2019	Human Origins in East Africa, As seen in Oldupai Gorge, Tanzania, Calgary Association of Lifelong Learners, Synchrotron-based chemical mapping, 3D Imaging, and MicroXRD of Archaeological Starch Granules, PI and spokesperson with Canadian Light Source, Saskatchewan
2017	University of Calgary Faculty of Arts SSHRC Insight Grant Information Session

Courses Taught

ARKY 205	Ancient Peoples and Places
ARKY 327	Archaeology and Popular Culture
ARKY 333	Becoming Human
ARKY 335	African Stone Age
ARKY 395	Archaeology of Tropical Africa
ARKY 409	European Prehistory

JULIO MERCADER FLORÍN

Associate Professor

ARKY 437
ARKY 505
ARKY 507
ARKY 515
ARKY 533
ARKY 599
ARKY 603
ANTH 603
BIO 607
ARKY 703

Palaeolithic Archaeology in the Old World
Topics of Debate
Issues in Hominoid Behavior
Paleoethnobotany
Advanced Topics in Analytical Archaeology
Independent Readings in Archaeology
Paleobotany
Thesis Development
Special Problems in Biology (Biochemical Characterization of Ancient Starch)
Advanced Seminar in Selected Topics

Evaluations

Year	Term	Course Number and Name	Number of Students	USRI	Majority (>50%) Distribution
2019	Fall	ANTH 603 – Thesis Development	1	--	
2019	Fall	ARKY 437 - Paleolithic Archaeology in the Old World	32	--	
2019	Fall	ARKY 703 - Adv Sem in Selected Topics	3	--	
2019	Fall	ARKY 515 - Paleoethnobotany	6	--	
2018	Fall	ARKY437 – Paleolithic Archaeology in the Old World	38	6.06	Excellent – Very good
2018	Fall	ARKY333 – Becoming Human	111	5.88	Very good – Excellent
2017	Fall	ARKY335 – African Stone Age	96	5.90	Very good – Excellent
2017	Winter	ARKY335 – African Stone Age	100	6.10	Excellent – Very good
2016	Winter	ARKY335 – African Stone Age	85	6.41	Excellent – Very good
2015	Fall	ARKY437 – Paleolithic Archaeology in the Old World	13	6.64	Excellent – Very good
2015	Fall	ARKY205 – Ancient Peoples and Places	136	6.24	Very good – Excellent
2015	Winter	ARKY437 – Paleolithic Archaeology in the Old World	35	6.39	Excellent – Very good
2015	Winter	ARKY335 – African Stone Age	50	6.38	Excellent – Very good
2014	Fall	ARKY327 – Archaeology & Popular Culture	84	6.61	Excellent – Very good
2014	Fall	ARKY205 – Ancient Peoples and Places	137	5.99	Very good – Excellent

JULIO MERCADER FLORÍN

Associate Professor

2014	Winter	ARKY437 – Paleolithic Archaeology in the Old World	21	6.45	Excellent – Very good
2014	Winter	ARKY335 – African Stone Age	41	6.54	Excellent – Very good
2013	Fall	ARKY327 – Archaeology & Popular Culture	45	5.92	Excellent – Very good
2013	Fall	ARKY205 – Ancient Peoples and Places	161	6.06	Very good – Excellent
2011	Fall	ARKY437 – Paleolithic Archaeology in the Old World	30	6.06	Excellent – Very good
2011	Fall	ARKY205 – Ancient Peoples and Places	149	6.09	Very good – Excellent
2010	Fall	ARKY435 – African Stone Age	15	5.91	Very good – Excellent
2010	Fall	ARKY327 – Archaeology & Popular Culture	31	6.2	Excellent – Very good
2009	Winter	ARKY395 – Archaeology of Tropical Africa	10	5.22	Very good – Good
2008	Fall	ARKY507 – Issues in Hominoid Behaviour	5	6.67	Excellent – Very good
2008	Fall	ARKY437 – Paleolithic Archaeology in the Old World	19	4.71	Good – Very good
2007	Fall	ARKY507 – Issues in Hominoid Behaviour	14	4.8	Good – Very good
2007	Fall	ARKY435 – African Stone Age	25	4.5	Very good – Satisfactory
2007	Winter	ARKY437 – Paleolithic Archaeology in the Old World	63	4.22	Very good – Satisfactory
2007	Winter	ARKY205 – Ancient Peoples and Places	183	4.4	Good – Satisfactory
2005	Fall	ARKY437 – Paleolithic Archaeology in the Old World	36	5.5	Very good – Excellent
2004	Fall	ARKY533.14 – Advanced Topics in Analytical Archaeology (Paleolithic Archaeology)	6	6.5	Excellent - Very Good
2004	Fall	ARKY533.13 – Advanced Topics in Analytical Archaeology (Methodological Issues in Hominoid Behaviour)	6	6.33	Excellent – Very good
2004	Winter	ARKY409 – Prehistory of Europe	18	4.6	Good – Excellent
2004	Winter	ARKY395 – Archaeology of Tropical Africa	9	5.43	Very good – Excellent

JULIO MERCADER FLORÍN

Associate Professor

Scholarly Supervision Post Doctoral Scholars

2017 - 2019

Jamie Inwood, Department of Anthropology and Archaeology, University of Calgary – geochemical insights into the preservation of organic molecules in archaeological time

2017 - 2019

María Soto, Department of Anthropology and Archaeology, University of Calgary – petrographic analysis in archaeology

Doctoral Students

2020 - Current

Zhao Wenran, Department of Geoscience, University of Calgary (Cosupervisor)

2020 - Current

Pamela Akuku, Department of Quaternary Studies and Prehistory, Universitat Rovira I Virgili (Cosupervisor)

2020 - Current

Steven Magohe, Department of Geoscience, University of Calgary (Cosupervisor)

2019 - Current

Arturo Cueva-Temprana, Department of Archaeology, Max Planck Institute for the Science of Human History, Jena (Cosupervisor)

2019 - Current

Siobhán Clarke, Department of Anthropology and Archaeology, University of Calgary

2018 - Current

Aloyce Mwambwiga, Department of Anthropology and Archaeology, University of Calgary

2014 - 2019

Makarius Itambu, Department of Anthropology and Archaeology, University of Calgary

2014 - 2019

Robert Patalano, Department of Anthropology and Archaeology, University of Calgary

1998 - 2001

Raquel Marti, Department of Prehistory, Madrid (Cosupervisor)

Supervisory Committees Doctoral

2019 - Current

Julien Favreau, Department of Anthropology, McMaster University.

Masters

2020 - Current

Kelly Thomas, Department of Anthropology and Archaeology, University of Calgary (Cosupervisor)

2018 - 2020

Tope Akeju, Department of Biological Sciences, University of Calgary (Cosupervisor)

2018 - 2020

Kelvin Fella, Ethnobotany at Oldupai Gorge: Ecological Analogues and Archaeological Visibility, Department of Archaeology and Heritage Studies, University of Dar es Salaam (Cosupervisor)

2018 - 2020

Abdallah Mohammed, Department of Archaeology and Heritage Studies, University of Dar es Salaam (Cosupervisor)

2017 - 2019

Julien Favreau, Department of Anthropology and Archaeology, University of Calgary

2017 - 2018

Matthew Abtosway, Department of Anthropology and Archaeology, University of Calgary

2016 - 2018

Laura Tucker, Department of Anthropology and Archaeology, University of Calgary

2016 - 2018

Patrick Lee, Department of Anthropology and Archaeology, University of Calgary (Cosupervisor)

JULIO MERCADER FLORÍN

Associate Professor

2009 - 2011

2008 - 2011

Bachelors

2019 - Current

2019 - Current

Federal Internship Program,
MITACS Globalink

2018

2015

2014

Employees

2019 - Current

2019 - Current

2016 - 2018

2016 - 2018

Service

Peer review in last 5 years

Editorial Boards

Tim Bennett, Department of Anthropology and Archaeology, University of Calgary

Fernando Astudillo, Phytolith analysis: palaeoenvironment and subsistence in the Ecuadorian Andes, Department of Anthropology and Archaeology, University of Calgary (Cosupervisor)

Lucas Olesilau, Department of Cultural Anthropology, University of Iringa (Main advisor)

Samson Koromo, Department of Cultural Anthropology, University of Iringa (Main advisor)

Xinyi Ouyang

Thania Ibarra

Yi Wang

Joakim Siljedal, Laboratory coordinator

Femi Sowemimo, Research assistant

Siobhan Clarke, Laboratory coordinator

David Isilebo, Research assistant

American Journal of Physical Anthropology,

Annals of Botany,

Geoarchaeology,

Journal of African Archaeology,

Journal of Archaeological Science,

Journal of Ecology,

Journal of Human Evolution,

Quaternary International,

Quaternary Research,

Review of Palynology and Palaeobotany

Frontiers: Ecology and Evolution

Facets

JULIO MERCADER FLORÍN

Associate Professor

Federal & International Adjudication Panels

2019
2018
2015 - 2017
2014
2013
2011
2009

Social Sciences and Humanities Research Council, Partnership Grants
(Committee member)
Social Sciences and Humanities Research Council: INSIGHT (Head)
Social Sciences and Humanities Research Council INSIGHT (Committee
member)
Canada Foundation for Innovation
Leakey Foundation, USA
National Geographic, National Science Foundation, USA
Prince Klaus Fund (Netherlands), Wenner Gren, USA

Involvement in Graduate Program Examinations

2019
2019
2018
2018
2018
2018
2017
2016
2016
2016
2014
2014
2011
2011
2008

Master's Thesis Oral Exam, University of Calgary, Julien Favreau
Doctoral Thesis Oral Exam, University of Calgary, Robert Patalano,
Master's Thesis Oral Exam, University of Calgary, Matthew
Abtosway,
Master's Thesis Oral Exam, University of Calgary, Laura Tucker
Master's Thesis Oral Exam, University of Calgary, Patrick Lee,
Doctoral Thesis Oral Exam, External examiner, Muséum national d'Histoire
naturelle, France, Antonella Pedernana
Doctoral Candidacy Exam, University of Calgary, Sarah Jacobs
Doctoral Thesis Oral Exam, External examiner, Universidad Complutense
Madrid, Spain, Hector Arraiz,
Doctoral Candidacy Exam, University of Calgary, Makarius Itambu
Doctoral Candidacy Exam, University of Calgary, Robert Patalano
Neutral Chair - PhD Candidacy Exam, University of Calgary, Cara Tremain
Doctoral Candidacy Exam, University of Calgary, Megan Aylward
Master's Thesis Oral Exam, University of Calgary, Tim Bennett
Master's Thesis Oral Exam, University of Calgary, Fernando Astudillo,
Doctoral Candidacy Exam, University of Calgary, Sonia Quon

Committee Representative, Mentorship

2020
2020
2019 - 2020
2019 - 2020
2018 - 2020
2018 - 2020
2018 - 2020

External advisor for University of Winnipeg's Research Office and the
Dean of Science SSHRC PG interview
University of Calgary, Dept of Anthropology and Archaeology, Graduate
Program Committee
University of Calgary "Support: Partnerships and Major Grants"
University of Calgary "Test Your Concept"
University of Calgary Department of Anthropology and Archaeology [review
applications to Tri-council for Insight and Insight Development (Assistant
Prof: Walls, Naotaka, and Amundsen)]
University of Calgary TUCFA representative Faculty Merit Committee, Social
Work; Business School
University of Calgary TUCFA representative Faculty Tenure and Promotion
Committee, Social Work; Business School

JULIO MERCADER FLORÍN

Associate Professor

2019 - 2020

Undergraduate advisor to minority students (Maasai Nation) at Iringa University (Dept. of Cultural Anthropology), Tanzania

2015 - 2016

University of Calgary Department of Anthropology and Archaeology departmental representative, TUCFA

2015

University of Calgary Department of Anthropology and Archaeology Head Advisory Committee

2014

University of Calgary Anthropology and Archaeology Departmental Merger Committee

2013

University of Calgary, Tanzania Regional Advisory Council

2010 - 2012

University of Calgary, Faculty of Arts Executive Council

2004 - 2006

University of Calgary, African Studies Research Group, Director