

Laurence Dumouchel

The George Washington University
Center for the Advanced Study of Human Paleobiology
Department of Anthropology
800 22nd Street NW, Washington, DC 20052
(202) 910-6402 | ldumouchel@gwu.edu

RESEARCH INTERESTS

Human evolution, Faunal analysis, Eastern Africa, Taphonomy

EDUCATION

- 2013-2018 *Ph. D.* - Human Paleobiology
George Washington University, Washington, D.C.
Co-supervisors: René Bobe and Bernard Wood
- 2013-2016 *M. Phil* – Human Paleobiology
The George Washington University, Washington, D.C.
Supervisor: René Bobe
- 2011-2013 *M. Sc.* - Biological Anthropology
University of Montreal, Montreal, Canada
Supervisor: Michelle S. M. Drapeau
- 2008-2011 *B. Sc.* - Anthropology
University of Montreal, Montreal, Canada

ACADEMIC APPOINTMENTS

- 2018-2019 **Visiting Assistant Professor**
The George Washington University, Department of Anthropology
- 2018 **Adjunct Professor** (summer course)
The George Washington University, Department of Anthropology
- Intern**
Smithsonian Institution National Museum of Natural History
- 2017 **Adjunct Professor** (summer course)
The George Washington University, Department of Anthropology

PUBLICATIONS

Peer-reviewed articles

- 2019 Dumouchel L. and Bobe R. Paleocological implications of dental mesowear and hypsodonty in fossil ungulates from Kanapoi, *Journal of Human Evolution*, 10.1016/j.jhevol.2018.11.004
- 2014 Drapeau M.S.M., Bobe R., Wynn J.G., Campisano C.J., Dumouchel L. and Geraads D, The Omo Mursi Formation: A window into the East African Pliocene, *Journal of Human Evolution*, 75: 64-79
- In prep **Dumouchel L.**, Bobe R., Wynn J.G., Barr W.A., Multi-proxy analysis of fossil Bovidae (Mammalia, Artiodactyla) from the Middle Pliocene Allia Bay, East Turkana, Kenya and implications for *Australopithecus anamensis* paleoecology. Target journal : *Palaeogeography, Palaeoclimatology, Palaeoecology*
- In prep Pobiner B., **Dumouchel L.**, Parkinson J., A blind test of a new quantitative method for coding carnivore-inflicted bone damage, with application to modern lion-damaged bones. Target journal : *Quaternary Science Reviews*

Book chapter

- In press Drapeau M.S.M., Bobe R., Geraads D., Wynn J.G. and **Dumouchel L.** Paleontology and Taphonomy of the Mursi Formation. In S Reynolds and R Bobe (Eds.), *Pliocene and Early Pleistocene African Fauna and Paleoecology*. Cambridge University Press.

HONORS AND AWARDS

- 2017 **GW Shenkman Career Services Fund** (\$250)
Conference Travel Award
- 2016 **Sigma Xi Grants-in-Aid of Research** (\$869)
Project: The environments of the earliest *Australopithecus*
- Leakey Foundation** (\$13,380)
Project: The environments of the earliest obligate biped, *Australopithecus anamensis*
PI: Laurence Dumouchel
- The Explorers Club, Washington Group** (\$3,281)

Project: What the world looked like when we started walking upright: the environments of the earliest *Australopithecus*

Evolving Earth Foundation (\$2,935)

Project: What the world looked like when we started walking upright: the environments of the earliest *Australopithecus*

Lewis N. Cotlow Fund (\$1,750)

Project: What the world looked like when we started walking upright: the environments of the earliest *Australopithecus*

Cosmos Club Foundation Henry H. Work Science Award (\$3,700)

Project: *The environments of the earliest Australopithecus*

2015 **Paleoecology Symposium, Cleveland Museum of Natural History (\$200)**
Conference Travel Award

2014 **Zelma Reidling Warren Bannister and William Warren Graduate Fellowship Award (\$1,950)**
For field travel expenses to Koobi Fora, Kenya

The Explorers Club Exploration Fund (\$1,500)

Project: Comparative Taphonomy of Pliocene sites of East Africa

2013-2018 **Graduate Assistantship and University Fellowship (\$25,000 per annum)**
Scholarship, George Washington University, Washington, D.C.

2012 **Joseph-Arthur-Gendron Scholarship (\$2,000)**
Scholarship, Caisse Desjardins Châteauguay, Canada

2011 **Anthropology Department, University of Montreal, Canada (\$1,000)**
Entrance Scholarship

PUBLISHED ABSTRACTS

2018 **Dumouchel L, Bobe R, Wynn JG, Drapeau MSM and Geraads D.**
Australopithecus anamensis paleoecology in the Omo-Turkana Basin using fossil Suidae (Mammalia, Artiodactyla). PaleoAnthropology, A1-A34.

- 2017 **Dumouchel, L** and Bobe R. New insights into the paleoenvironments of *Australopithecus anamensis* in the Omo-Turkana Basin, East Africa. *East African Association of Paleoanthropology and Paleontology*.
- Blumenthal SA, Cerling TE, Ditchfield PW, **Dumouchel L**, Lee-Thorp JA, Manthi F, Strum SC. Long-term and seasonal diet change in eastern African primates. *East African Association of Paleoanthropology and Paleontology*.
- Dumouchel L** and Bobe R. Paleoecological reconstructions of c.4 Ma hominin sites from the Omo-Turkana Basin using fossil Bovidae. *American Journal of Physical Anthropology*, S64:168.
- Drapeau MSM, Wynn JG, Geraads D, **Dumouchel L**, Campisano C and Bobe R. Reinvestigation of the ~4 Ma Yellow Sands of the Mursi Formation. *American Journal of Physical Anthropology*, S64:165.
- Dumouchel L**, Wynn JG, Bobe R, Drapeau MSM and Geraads D. *Australopithecus anamensis* paleoenvironments in the Omo-Turkana basin using stable isotope analysis of tooth enamel from mixed feeding taxa. *PaleoAnthropology*, A1-A34.
- 2016 **Dumouchel L**, *New insights into the paleoenvironments of Australopithecus anamensis*. *PaleoAnthropology*, A1-A34.
- Drapeau MSM, Wynn JG, Geraads D, **Dumouchel L**, Campisano CJ, Bobe R, *Where they were not: What can the Mursi Formation tell us about early hominins habitat preferences?*, The Canadian Association for Physical Anthropology, p.27.
- 2015 **Dumouchel L** and Manthi FK, Ecological niche selectivity in *Australopithecus anamensis*. *American Journal of Physical Anthropology*, 156:111.
- 2014 **Dumouchel L** and Drapeau MSM, Taphonomic study of the fossil fauna from the Mursi Formation and Member A of the Shungura Formation, Ethiopia, *American Journal of Physical Anthropology*, S58: 110.

TEACHING

- 2019 Course Instructor, George Washington University
Topics: Environments and Human Evolution ANTH3491/6491 (Open to graduate students)
- Course Instructor, George Washington University

- Introduction to Biological Anthropology ANTH1001*
- 2018 Course Instructor, George Washington University
Laboratory Techniques in Paleoanthropology HOMP6202 (graduate level)
- Course Instructor, George Washington University
Hominin Evolution ANTH3412
- Guest Lecturer (1), George Washington University
Paleolithic Archaeology ANTH6801 (graduate level)
- Course Instructor, George Washington University
Introduction to Biological Anthropology ANTH1001
- Course Instructor (Lectures and Laboratory), George Washington University
Introduction to Biological Anthropology ANTH1001 (summer)
- Guest Lecturer (1), George Washington University
Introduction to Biological Anthropology ANTH1001
Course Instructor: Dr. W. Andrew Barr
- Teaching and Laboratory Assistant, George Washington University
Faunal Analysis ANTH3839/6839 (open to graduate students)
Course Instructor: Dr. Briana Pobiner
- Guest Lecturer (3), George Washington University
Faunal Analysis ANTH3839/6839 (open to graduate students)
Course Instructor: Dr. Briana Pobiner
- 2017 Course Instructor (Lectures and Laboratory), George Washington University
Introduction to Biological Anthropology ANTH1001 (summer)
- 2016 Teaching Assistant, George Washington University
African Roots: From Australopithecus to Zimbabwe ANTH3801/3801W
(*'Writing in the Disciplines'* course)
Course Instructor: Dr. Alison S. Brooks
- 2015 Teaching and Laboratory Assistant, George Washington University
Faunal Analysis ANTH3839/6839 (open to graduate students)
Course Instructor: Dr. Briana Pobiner
- Guest Lecturer (1), George Washington University
Faunal Analysis ANTH3839/6839 (open to graduate students)
Course Instructor: Dr. Briana Pobiner

2014 Teaching and Laboratory Assistant, George Washington University
Introduction to Biological Anthropology ANTH1001
Course Instructor: Dr. René Bobe

Teaching and Laboratory Assistant (*Intern*), George Washington University
Koobi Fora Field School
Course Instructor: Dr. David R. Braun

Guest Lecturer (1), George Washington University
Koobi Fora Field School
Course Instructor: Dr. David R. Braun

2013 Teaching and Laboratory Assistant, George Washington University
Introduction to Biological Anthropology ANT1001
Course Instructor: Dr. Alison S. Brooks

Teaching and Laboratory Assistant, University of Montreal
Methods in Zooarchaeology ANT3470
Course Instructor: Claire St-Germain

Teaching and Laboratory Assistant, University of Montreal
Methods in Human Osteology ANT2470
Course Instructor: Dr. Emeline Raguin

2012 Teaching and Laboratory Assistant, University of Montreal
Human Paleontology ANT2430
Course Instructor: Dr. Michelle S.M. Drapeau

2011 Teaching and Laboratory Assistant, University of Montreal
Methods in Human Osteology ANT2470
Course Instructor: Dr. Isabelle Ribot

Teaching Assistant, University of Montreal
Biological Variation ANT1513
Course Instructor: Dr. Michelle S.M. Drapeau

LABORATORY WORK

2017 Visiting Researcher, Allia Bay and Kanapoi faunal collections National Museums of Kenya, Nairobi, Kenya

Visiting Researcher, Mursi Collection
National Museum of Ethiopia, Addis Ababa, Ethiopia

Academic Visitor, Research Laboratory for Archaeology (Stable isotopes)
Oxford University, United Kingdom
Collaborators: Drs. Julia Lee-Thorp, Peter Ditchfield and Scott Blumenthal

2016 Visiting Researcher, University of South Florida Stable Isotope Lab
University of South Florida, Tampa, FL
Collaborator: Dr. Jonathan Wynn

Visiting Researcher, Allia Bay and Kanapoi faunal collections
National Museums of Kenya, Nairobi, Kenya

Visiting Researcher, Mursi collection
National Museum of Ethiopia, Addis Ababa, Ethiopia

Visiting Researcher, Tragelaphine ecomorphology by photogrammetry
Museum Support Center, Smithsonian National Museum of Natural
History
Collaborator: Dr. Andrew Barr

2015 Visiting Researcher, Pliocene bovids from Allia Bay
National Museums of Kenya, Nairobi, Kenya

2014 Taphonomic analysis of carnivore damage on modern zebra bones
Smithsonian Institution National Museum of Natural History
Dr. Briana Pobiner

2012 Visiting Researcher: Mursi collection
National Museum of Ethiopia, Addis Ababa, Ethiopia

Sorting of bone collection from Droulers site
Prehistoric Archaeology Lab, University of Montreal
Supervisor: Dr. Christian Gates St-Pierre

Preparation of faunal carcasses for reference collection
Veterinary School, University of Montreal
Supervisor: Dr. Ariane Burke

FIELD EXPERIENCE

2014 Kanapoi, West Turkana, Kenya
West Turkana Paleoproject Research Student

Koobi Fora, East Turkana, Kenya
Koobi Fora Field School Staff Assistant and Researcher

- 2011 Droulers-Tsiionhiakwatha Site, St-Anicet, Canada
Archaeology Field School Student
- 2010 Greek-Canadian Archaeological Excavation, Northern Greece
Argilos Archaeology Field School Student

CONFERENCES AND WORKSHOPS

- 2019 Conference: American Association of Physical Anthropology
Cleveland, Ohio
The paleontological record of the *Australopithecus anamensis* site of Allia Bay, East Turkana (Poster)
- 2018 Conference: American Geophysical Union, Washington, DC
Paleoenvironmental comparison of *Australopithecus anamensis* fossil localities using multiple faunal proxies (Poster)
- Conference: Paleoanthropology Society, Austin, TX
Australopithecus anamensis paleoecology in the Omo-Turkana Basin using fossil *Suidae* (Mammalia, Artiodactyla) (Talk)
- 2017 Conference: AnthroTalks (Department of Anthropology, GWU)
Washington, DC
Five global challenges paleoecology can help address (Talk)
- Conference: European Society for the Study of Human Evolution
Leiden, Netherlands
The implications of fossil Suidae (Mammalia, Artiodactyla) for the reconstructions of the habitat of Australopithecus anamensis in the Omo-Turkana Basin (Pecha Kucha)
- Conference: East African Association of Paleontology and Paleoanthropology
Addis Ababa, Ethiopia
New insights into the paleoenvironments of Australopithecus anamensis in the Omo-Turkana Basin, eastern Africa (Talk)
- Conference: American Association of Physical Anthropology
New Orleans, Louisiana
Paleoecological reconstructions of c.4 Ma hominin sites from the Omo-Turkana Basin using fossil Bovidae (Talk)
- Conference: Paleoanthropology Society

Vancouver, Canada
Australopithecus anamensis paleoenvironments in the Omo-Turkana basin using stable isotope analysis of tooth enamel from mixed feeding taxa (Talk)

- 2016 Conference: Society of Vertebrate Paleontology
Salt Lake City, Utah
Paleoecological analyses of fossil Bovidae from hominin sites from the Pliocene Omo-Turkana Basin, eastern Africa (Podium)
- Conference: Paleoanthropology Society
Atlanta, Georgia
New insights into the paleoenvironments of Australopithecus anamensis (Poster)
Paleoecology of fossil Bovidae from Allia Bay, Kenya (Lightning Talk)
- 2015 Conference: Paleoecology Symposium
Cleveland, Ohio
Ecological niche selectivity in Australopithecus anamensis (Poster)
- Conference: American Association of Physical Anthropology
St Louis, Missouri
Ecological niche selectivity in Australopithecus anamensis (Poster)
- 2014 Conference: American Association of Physical Anthropology
Calgary, Canada
Taphonomic study of the fossil fauna from the Mursi Formation and Member A of the Shungura Formation, Ethiopia (Poster)

SCIENCE OUTREACH, PROFESSIONAL SERVICE AND MENTORSHIP

- 2019 Science Outreach, 'Skype a Scientist' (1)
Role: Speaker
Location: Sundance School (3rd grade), Calgary, AB, Canada
- 2018 Service, Social Media Manager for the Center of the Advanced Study of Human Paleobiology
Role: Managing Twitter and Facebook account for the research center
- Science Outreach, 'Skype a Scientist' (1)
Role: Speaker
Location: It Take a Village OKC Inclusive Homeschooling (K-12), Oklahoma City, OK

Public event, Teacher's Academy: Science Outreach for K-12 science teachers
Role: Volunteer and Station organizer "*Faunal fossils and paleoecology*"
Location: Hall of Human Origins, Smithsonian National Museum of Natural History, Washington, DC

Public event, 2018 USA Science and Engineering Festival and Expo: Science Outreach
Role: Volunteer and "Scavenger Hunt" Pamphlet designer and creator
Location: National Science Foundation exhibit pavilion, Walter E. Washington Convention Center, Washington, DC

Public event, *DC STEM Fair*: Science Outreach
Role: Volunteer and "Scavenger Hunt" Pamphlet designer and creator
Location: Ron Brown High School, Washington, DC

Public event, Susan Pfeiffer (University of Toronto), *The Skeletons of Archeology: How they Shape our Views of the Past*
Role: Organizer
Location: Center for the Advanced Study of Human Paleobiology, George Washington University, Washington, DC

2017 Public event, 'HOT' (Human Evolution Today) Topic: Science Outreach
Role: Invited Speaker
Location: Hall of Human Origins, Smithsonian National Museum of Natural History, Washington, DC

Service, Undergraduate thesis (Elliot Greiner)
Role: Reader
Location: George Washington University, Washington, DC

Public event, *Science Uncovered*
Role: Organizing committee (~150 hours)
Location: Manchester Museum, Manchester, United Kingdom

Public event, *Science Uncovered*: Science Outreach
Roles:
Speaker: *What the world looked like when we started walking upright* (lightning talk)
Station Organizer and Volunteer: *Ancient DNA from Prehistoric Europeans* (with Dr. S. Charlton)
Location: Manchester Museum, Manchester, United Kingdom

Public event, Diversity summit: embracing diversity and inclusion at GW, *Diversity in Science at GW's Center for the Advanced Study of Human*
Role: Volunteer

Location: George Washington University, Washington, DC

- 2016- Science Outreach, Science education program (for girls from single-parent households), *BePolished: Science Outreach*
Role: Volunteer and Station organizer "*Paleoecology*"
Location: George Washington University, Washington, DC
- 2016 Public event, Guest Speaker Jessica Blois (University of California, Merced), *Ecological Processes in a Changing Environment: Perspectives from the Late Quaternary*
Role: *Organizer*
Location: Center for the Advanced Study of Human Paleobiology, George Washington University, Washington, DC
- 2015- Diversity in Science Committee
Role: Organizing Committee
Location: George Washington University, Washington, DC
- 2015 Public event, *GW Women in Science Symposium*
Role: Volunteer
Location: George Washington University, Washington, DC
- Public event, Guest Speaker Larisa DeSantis (Vanderbilt University)
Revealing paleoecology, paleobiology, and mammalian responses to climate change during the Pleistocene
Role: Organizer
Location: Center for the Advanced Study of Human Paleobiology, George Washington University, Washington, DC
- 2014-2016 Science Outreach (3), *The Scientist is In*
Role: Speaker
Location: Hall of Human Origins, Smithsonian National Museum of Natural History, Washington, DC
- 2014 Science Outreach, *Teaching Evolution to Children Program*
Role: Station organizer and Volunteer (3)
Location: St. Columba's Nursery School, Washington D.C.
- 2012-2013 Science Outreach, *Human Evolution: Our Captivating Story*
Role: Invited lectures (4) and Content creator
Location: Terre-des-Jeunes Elementary School, St-Eustache, Canada
- 2012 Science Outreach, *The Secrets of a Skeleton*
Role: Station organizer
Location: Château Ramezay, Historic Site and Museum of Montreal, Canada

Public Event, Anthropoboutique: 50th Anniversary Celebration of the
Department of Anthropology
Role: Organizing Committee
Location : University of Montreal, Canada

- 2012 Conference, *Canadian Archaeological Association*
Role: Volunteer
Location: University of Montreal, Canada
- 2011 Conference, *Canadian Association of Physical Anthropology*
Role: Volunteer
Location: University of Montreal, Canada
- 2009 Science Outreach, *Encounters in New France*
Role: Volunteer (2)
Location: Pointe-à-Callière: *Montreal Museum of Archaeology and History*,
Montreal, Canada

MEMBERSHIPS OF PROFESSIONAL ORGANIZATIONS

American Association of Physical Anthropologists (AAPA)
Paleoanthropology Society
Society of Vertebrate Paleontology (SVP)
International Council for Zooarchaeology (ICAZ)
Paleontological Society

MEDIA

- 2017 Featured of the blog '*Faces of Fieldwork*'
(<http://facesoffieldwork.com/unexpected-goat-stampede/>)
- 2016 *Grantee Spotlight*, Leakey Foundation
(<https://leakeyfoundation.org/grantee-spotlight-laurence-dumouchel/>)
- From the Field*, Leakey Foundation
(<https://leakeyfoundation.org/from-the-field-laurence-dumouchel/>)
- 2015-present Personal website: www.paleolau.com
Personal twitter account: @paleolau
- 2013 – present Researchgate profile:
https://www.researchgate.net/profile/Laurence_Dumouchel2

ADDITIONAL TRAINING

Languages

English, French (native), Swahili (basic)

Analytical and Computer Skills

R, ArcMap (GIS), GIMP (Image processing)