

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

- Accepted Dumouchel L. and Bobe R. Paleocological implications of dental mesowear and hypsodonty in fossil ungulates from Kanapoi, *Journal of Human Evolution*
- 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 review 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.
- 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

- 2018 Course Instructor, Teaching and Laboratory, George Washington University
Introduction to Biological Anthropology ANT1001
- Guest Lecturer (1), George Washington University
Introduction to Biological Anthropology ANT1001
Course Instructor: Dr. W. Andrew Barr
- Teaching and Laboratory Assistant, George Washington University
Faunal Analysis ANT3839/6839
Course Instructor: Dr. Briana Pobiner

- Guest Lecturer (3), George Washington University
Faunal Analysis ANT3839/6839
 Course Instructor: Dr. Briana Pobiner
- 2017 Course Instructor, Teaching and Laboratory, George Washington University
Introduction to Biological Anthropology ANT1001
- 2016 Teaching Assistant, George Washington University
African Roots: From Australopithecus to Zimbabwe ANT3801/3801W
 Course Instructor: Dr. Alison S. Brooks
- 2015 Teaching and Laboratory Assistant, George Washington University
Faunal Analysis ANT3839/6839
 Course Instructor: Dr. Briana Pobiner
- Guest Lecturer (1), George Washington University
Faunal Analysis ANT3839/6839
 Course Instructor: Dr. Briana Pobiner
- 2014 Teaching and Laboratory Assistant, George Washington University
Introduction to Biological Anthropology ANT1001
 Course Instructor: Dr. René Bobe
- Teaching and Laboratory Assistant (*Intern*), George Washington University
 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-Tsionhiakwatha Site, St-Anicet, Canada
Archaeology Field School Student
- 2010 Greek-Canadian Archaeological Excavation, Northern Greece
Argilos Archaeology Field School Student

CONFERENCES AND WORKSHOPS

- 2018 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

2018 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

- 2016-2018 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
- 2015-2018 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 Website: www.paleolau.com
Twitter: @paleolau

2013 – present

GWU Student page:

<https://cashp.columbian.gwu.edu/laurencedumouchel>

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)