

MAUD MOUGINOT

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SUMMARY

My research interests focus on the evolution of cooperation and conflict in humans using a comparative approach with our closest living relatives: bonobos and chimpanzees. I am also interested in outreach activities, especially by writing novels.

EDUCATION

- 2017-2023 **Ph.D. in biological anthropology** - University of Minnesota (USA)
Advisor: Dr. Michael L. Wilson
Thesis title: *Male reproductive strategies in bonobos (*Pan paniscus*) and chimpanzees (*Pan troglodytes*).*
- 2017-2020 **M.A. in biological anthropology** - University of Minnesota (USA)
Advisor: Dr. Michael L. Wilson
- 2014-2016 **M.S. in human pathology, specialized in forensic anthropology** - University of Aix-Marseille (France), obtained with distinction.
Advisor: Dr. Pascal Adalian
Thesis title: *Population frequencies and cranial and dental discrete traits: How to use them to estimate ancestry.*
- 2012-2014 **B.A. in anthropology** - University of Montreal (Canada), obtained with Dean's honor.

ACADEMIC EXPERIENCE

Academic position

- 2023 - **Research fellow**, Institute for Advanced study in Toulouse (IAST)
Université Capitole 1 (France)

Fieldwork

- 2021-2022 **Doctoral research**, Kokolopori Bonobo Reserve, Democratic Republic of Congo, PI: Dr. Martin Surbeck (3 months). Taking behavioral data and urine samples – *Evacuated after three months because of health issues requiring hospitalization.*
Lab manager, Kokolopori Bonobo Reserve, Democratic Republic of Congo, PI: Dr. Martin Surbeck (3 months): Managing the lab (e.g., urine, feces, and DNA samples) on the field, training the field assistants to take behavioral data and samples, monitoring the health of bonobos, and performing necropsies. I also supervised the sanitary security of the bonobos by meeting with and training the field assistants (masks, hand sanitizer, security distances with the animals, etc.), raising awareness on bonobos to the local communities, and helping the local communities to restrain epidemics by finding solutions with local materials (sewing masks, keeping distances with animals, using local alcohol as hand sanitizer, etc.).
- 2019 **Pilot research**, Kokolopori Bonobo Reserve, Democratic Republic of Congo, PI: Dr. Martin Surbeck (3 months).
Lab manager, Kokolopori Bonobo Reserve, Democratic Republic of Congo, PI: Dr. Martin Surbeck (1 month): Managing the lab (e.g., urine, feces, and DNA samples) on the field, training the field assistants to take behavioral data and samples, monitoring the health of bonobos, and performing necropsies.
- 2018 **Pilot research**, Gombe National Park, Tanzania, PI: Dr. Michael L. Wilson (1 month).

2012 **Excavation** on cemetery, Saint Maurice de Navacelles, France.

Database work

- 2021- Extraction of Pant-Grunt for Gombe database – Data extracted from hand-written notes in Swahili.
- 2021 Kokolopori bonobo research database – Worked with the database manager to start the official database (extract, clean, translate data, prepare tables, etc.).
- 2021 Creation of a database on Microsoft Access for my dissertation using raw data from the Kokolopori bonobo reserve.

Student supervision

- 2022 -2023 Supervising two undergraduate students for a new project using the Agent Based Model B3GET.
Supervising one undergraduate student for a new project comparing methodological approach to estimate rank in chimpanzees (e.g., using pant-grunt or aggression data).
- Spring
2022 Supervision of a capstone project based on the agent Based Model B3GET.

Supervised two undergraduate students who learnt how to extract pant grunt data from Gombe.
- 2020 -
2021 Supervised one undergraduate student who helped with bonobo and chimpanzee data extraction and learnt how to conduct primary analyses.

INTERNSHIPS

- 2020 **Necropsy training**, Max Planck Institute for evolutionary anthropology & Robert Kosh-Institute (Germany).
Topic: training to perform necropsies and training in sanitary protocol and biosafety protocol.
- 2016 **Forensic Anthropology**, University of Aix-Marseille (France) (4 months).
Topic: Master’s thesis in biological anthropology about discrete traits and ancestry.
- 2015 **Forensic Anthropology**, University of Aix-Marseille (France) (3 months).
Topic: Study of human remains & autopsies at the institute of legal medicine.
- Bioarcheology**, University of Aix-Marseille, UMR 7268 ADES (France) (1 month)
Topic: cleaning, reconditioning and application of bioanthropological methods.
- Morphometry geometric**, University of Aix-Marseille (France) (1 month)
Topic: Using morphometry geometric methods to study the shape of the frontal bone on skulls from two different populations (Negritos et Chumash).
- Cementochronology method**, University of Aix-Marseille (France) (2 weeks)
Topic: Learning cementochronology method (age determination with dental cement).
- Scientific communication**, University of Aix Marseille (France) (1 week)
Topic: learning how to communicate research results to different disciplines especially during conferences and learning how to prepare a scientific poster.

PUBLICATIONS

- Published **Mouginot M.**, Cheng L., Feldblum, J.T., Gilby, I., Pusey, A., Städele V., Wroblewski, E., Wilson, M.L., Surbeck, M. (2023). Reproductive inequality among males in the genus *Pan*. *Phil. Trans. R. Soc. B* **378**: 20220301.
- Under review **Mouginot, M.**, Wilson, M.L., Desai, N., Surbeck, M. Differences in expression of male aggression between wild bonobos and chimpanzees. *Current Biology*

In preparation Renner, G., Crouse, K., **Mouginot, M.** Modeling the environment of bonobos and chimpanzees using B3GET. *Animal Behavior*
Mouginot, M., Wilson, M.L., Surbeck, M. Differences in adult male-immature interactions between bonobos and chimpanzees. *Journal of Human Evolution*

PRESENTATION

Conferences **Mouginot, M.**, Wilson, M.L., Desai, N., Surbeck, M. “Male adult-immature interactions in bonobos in comparison to chimpanzees” – 35th Annual Meeting of the Société Francophone de Primatology.
Mouginot, M., Wilson, M.L., Desai, N., Surbeck, M. “Comparing aggression between wild bonobos and chimpanzees: Self-domestication or convergence with monkeys?” - 91th Annual Meeting of the American Association of Biological Anthropologists.
Renner, G., Crouse, K., **Mouginot, M.**, “Modeling the environment of bonobos and chimpanzees using B3GET”- 91th Annual Meeting of the American Association of Biological Anthropologists.

Guest lectures Lecture on “Cooperation and marriage” – ANTH/EEB 3002 Sex, Evolution, and Behavior – University of Minnesota - March 2019.
Lecture on “senescence, aging, and menopause” – ANTH/EEB 3002 Sex, Evolution, and Behavior – University of Minnesota - March 2018.

Other presentations **Mouginot M.** “Male adult-immature interactions in bonobos in comparison to chimpanzees” Institute of Advanced Study in Toulouse (IAST) – October 2023.
Mouginot M. “The peaceful bonobo and the aggressive chimpanzee: the data behind the myth” Dr. Luke Glowacki Lab, Department of Anthropology, Boston University – November 2022.
Mouginot M. “The peaceful bonobo and the aggressive chimpanzee: the data behind the myth” EEB group, Department of Evolution, Ecology and Behavior, University of Minnesota – September 2022.
Mouginot M. “Reproductive strategies in bonobos and chimpanzees” Brown Bag series talk, Department of Anthropology, University of Minnesota – January 2022.
Mouginot M. “Male bonobo reproductive strategies”, Department of Human Evolutionary Biology, Harvard University – April 2021.
Mouginot M. “Aggression in male bonobos and chimpanzees”, Department of Human Evolutionary Biology, Harvard University, November 2021.
Mouginot M. “Science-fiction and anthropology”, 40th annual umn undergraduate anthropology conference, University of Minnesota – March 2019.
Mouginot M. “Science-fiction and anthropology”, Alliance Française, Minneapolis – October 2018.

TEACHING EXPERIENCE

2022 **Instructor of record:** Human evolution (50 students), Department of anthropology, University of Minnesota – Fall 2022
Instructor of record: Anthropology and science-fiction (14 students), Department of anthropology, University of Minnesota – Summer 2022
Instructor of record: Human evolution (40 students), Department of anthropology, University of Minnesota – Spring 2022

- 2021 **Lab administrator and instructor:** Human evolution, Department of anthropology, University of Minnesota – Fall 2021
Lab instructor: Human evolution, Department of anthropology, University of Minnesota – Summer 2021
Created new version of Human evolution labs (hybrid version)
- 2020 **Lab administrator and instructor:** Human evolution, Department of anthropology, University of Minnesota – Fall 2020
Lab administrator and instructor: Human evolution, Department of anthropology, University of Minnesota – Summer 2020
Lab instructor: Sex, human and Evolution, Department of anthropology, University of Minnesota – Spring 2020
Co-created new version of Human evolution labs (online version)
- 2019 **Lab administrator and instructor:** Human evolution, Department of anthropology, University of Minnesota – Fall 2019
Lab instructor: Sex, human and Evolution, Department of anthropology, University of Minnesota – Spring 2019
- 2018 **Lab instructor:** Human evolution, Department of anthropology, University of Minnesota – Fall 2018
Lab instructor: Sex, human and Evolution, Department of anthropology, University of Minnesota – Spring 2018
- 2017 **Lab instructor:** Human evolution, Department of anthropology, University of Minnesota – Fall 2017

HONORS AND AWARDS

- Spring 2023 ABD Dissertation-Finishing Fellowship, Department of Anthropology, University of Minnesota – \$10,000.
- 2020 Block Grant, Department of Anthropology, University of Minnesota (awarded for support while extracting data for the Kokolopori Bonobo Reserve) –\$2,000.
- 2019 Block Grant, Department of Anthropology, University of Minnesota (awarded for fieldwork in Kokolopori Bonobo Reserve, Democratic Republic of the Congo from May to August 2019) –\$8,000.
- 2018 Graduate Research Partnership Program (GRPP) Fellowship, College of Liberal Arts, University of Minnesota (awarded as partial support to conduct fieldwork in Gombe National Park, Tanzania) –\$2,000.
Block Grant, Department of Anthropology, University of Minnesota (awarded as partial support to conduct fieldwork in Gombe National Park, Tanzania) –\$3,000.

OTHER WORK EXPERIENCE - AUTHOR

Published novel: Alexis Demey. 2022. “La veilleuse d’âmes – La voix des morts”. Lucca Edition. Lille, France. *Using science-fiction to teach anthropology to a broad audience.*

Published novel: Alexis Demey. 2018. “La veilleuse d’âmes – L’arbre des liens”. Lucca Edition. Lille, France. *Using science-fiction to teach anthropology to a broad audience.*

PROFESSIONAL AND OTHER SERVICE

Professional services

- 2023 - Secretary for the Société Francophone de Primatologie (SFDP) – elected for 3 years as member of the administration council.
Co-organizer of the 36th Annual Meeting of the SFDP
- 2021-2022 Weekly meeting for the Kokolopori Bonobo Reserve, Harvard University.

Translation of documents from English to French - speech addressed to the Democratic Republic of Congo government and press to raise awareness on bonobo conservation (Speech performed by Ashley Judd), documents for a Guinea chimpanzee project (Dr. Liran Samuni and Dr. Erin Wessling).

Founder and manager of Instagram page for The Kokolopori Bonobo Reserve (raising awareness on bonobos).

2020 Organizer of Biological Anthropology Colloquium – *Cancelled due to Covid-19*.

2018-2020 Organizer of Biological Anthropology Brown Bag Lunch (BABBL)

2018-2020 Founder and manager of a graduate group on science-fiction and anthropology.

2017 SASSA-Program developer (for K-12 students around Minneapolis)

Other services

2022 Association solidarité Ukraine Lyon: Leading the logistic of donations to transport them to the Ukrainian border. Leading a group on 7-10 volunteers.

2017-2020 Volunteer at the *Alliance Française* association, Minneapolis

PROFESSIONAL MEMBERSHIPS

American Association of Biological Anthropologists

Société Francophone de Primatologie (SFDP)

Omo Valley Research Project

COMPUTATIONAL/STATISTICAL LANGUAGES AND SOFTWARE SKILLS

R, Python, Microsoft programs (including Access), Adobe Photoshop, Adobe Premiere Pro

LANGUAGE SPOKEN

French (mother tongue)

Spanish (beginner)

English (fluent)

Swahili (beginner)