



Caroline Gérard

DMV, PhD

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Introduction

From my dual background in veterinary medicine and eco-ethology, I have a multidisciplinary interest in the evolution of foraging in hominids (great apes, modern humans and their fossil ancestors). Combining research in ecology, nutrition, behavior and physiology, I explore the variability of socio-ecological strategies employed in diverse environmental conditions. My work also addresses the major issue of species adaptation to changes in their habitat (anthropogenic and climatic).

Skills

● Research areas

- Ethology
- Ecology
- Physiology
- Nutrition
- Comparative anatomy
- Biological anthropology
- Botanic

● Softwares

- Office
- R
- Photoshop

● Languages

- french (native)
- anglais (professional proficiency)
- lingala (beginner)

● Logistic

- Driving license
- First aid certificate

Academic background

2019 – 2022

PhD in eco-ethology (biological anthropology)
National Museum of Natural History (MNHN), Paris (France).

Supervisors: Bruno Simmen, Victor Narat

Food selection and manipulative repertoire in bonobo (*Pan paniscus*) in a forest-savanna mosaic and in a zoo.

Fundings: Doctoral fellowship (ED 227, 2019) and research grant (Société Francophone de Primatologie, 2021)

2016 – 2017

MSc in Ecophysiology and Ethology

Strasbourg University, France

2013 – 2015

MSc in Biological Research

Claude Bernard University, Lyon 1, France

2011 – 2017

Veterinary school

Vetagrosup, Lyon, France

Erasmus program: 2012-2013, University College of Dublin, Ireland

Veterinary and master thesis: Leader's behavior and followership in domestic horses.

Supervisor : Odile Petit

Research experiences

2023-2025

Post-doctoral position

*Motivation, Brain and Behavior Team,
Institut du Cerveau et de la Moelle Épineuse, INSERM UMRS 1127,
CNRS UMR 7225, Pitié-Salpêtrière Hospital, Paris, France*

Flexibility of foraging strategies in Japanese macaques (*Macaca fuscata*) consuming marine resources.

2017 – 2019 (15 months)

Civic service

French Polar Institute

Crozet Archipelago, Possession Island, French Southern and Antarctic Territories

Research program: Behavioral and physiological ecology of king penguins (*Aptenodytes patagonicus*)

2016 (1 month)

Field assistant position

*Ecology, Physiology et Ethology Department
(Hubert Curien Institute, Strasbourg, France)*

Social welfare in domestic horses
Supervisor: Odile Petit

2014 (2 months)

Field assistant position

*Centre de primatologie CNRS de Rousset-sur-Arc,
France*

Gestural laterality in olive baboons (*Papio anubis*) and chimpanzees (*Pan troglodytes*)
Supervisor: Adrien Meguerditchian and Romain Lacoste

2013 (1 month)

Veterinary internship

Epidemiology unit, ANSES, Lyon, France

Foot-and-mouth disease in wild animals in France
Supervisor: Didier Calavas

Institutional and associative engagements

2023 (1 month)

Expertise for Bonobo Eco

Training of local field assistants in Manzano, DR Congo.

2021 - 2022

PhD representative at the lab council

*UMR 7206 Eco-anthropology, MNHN, CNRS, Paris
University, France*

Since 2019

Behavioral expertise for Ethosph'R

Welfare assessment of 31 rescued horses (2020) et rehabilitation/resocialization of laboratory macaques (2019)

Scientific societies

Société Francophone de Primatologie since 2015.

Société Française d'Etude du Comportement Animal since 2017.

Société Française d'Ecologie et Evolution since 2021.

Scientific communications

Theses

- **Gérard C.** (2022). Sélection alimentaire et répertoire de manipulation chez le bonobo (*Pan paniscus*) en mosaïque forêt-savane et en parc zoologique. Thèse de doctorat, Muséum National d'Histoire Naturelle, Paris, 1-304.
- **Gérard, C.** (2017). Comportement du leader et conséquences sur le suivisme du groupe chez le cheval domestique. *Thèse d'exercice vétérinaire, Université Claude Bernard, Lyon, 1-78.*

Publications

- **Gérard C.**, Pennec F., Guéry J.-P., Depauw S., Janssens G., Anne M., Narat V. & Simmen B., (in press). Flexibilité alimentaire de bonobos en parc zoologique : consommation opportuniste d'espèces végétales autochtones et complément nutritionnel. *La Revue de Primatologie*.
- **Gérard C.**, Bardo A., Guéry J.-P., Pouydebat E., Narat V. & Simmen B., (2024). Influence of food properties and environmental context on manipulative behaviors highlighted by new methodological approaches in zoo-housed bonobos (*Pan paniscus*). *American Journal of Primatology*.
- Lewden, A., Ward, C., Noiret, A., Avril, S., Abolivier, L., **Gerard, C.**, ... & Stier, A. (2024). Surface temperatures are influenced by handling stress independently of glucocorticoid levels in wild king penguins. bioRxiv, 2023-06. (*Journal of Thermal Biology*)
- **Gérard C.**, Bardo A., Guéry J.-P., Pouydebat E., Simmen B., & Narat V. (2022). Manipulative repertoire of bonobos (*Pan paniscus*) in spontaneous feeding situation. *American Journal of Primatology*, e23383.
- Pennec, F., **Gérard, C.**, Meterreau, L., Monghiemo, C., Ngawolo, J. C. B., Laurent, R., & Narat, V. (2020). Spatiotemporal Variation in Bonobo (*Pan paniscus*) Habitat Use in a Forest–Savanna Mosaic. *International Journal of Primatology*, 1-25.
- **Gérard, C.**, Valenchon, M., Poulin, N., & Petit, O. (2020). How does the expressiveness of leaders affect followership in domestic horses (*Equus ferus caballus*)? *Animal Cognition*, 1-11.
- **Gérard, C.** (2017). La législation autour du bien-être en abattoirs : une forte prédominance des enjeux économiques, sanitaires et religieux. *Droit Animal, Éthique & Sciences*, 20-21.

Oral communications

- **Gérard, C.**, Pennec F., Guéry J.-P., Narat V. & Simmen B., Sélection alimentaire d'espèces végétales autochtones par les bonobos (*Pan paniscus*) en parc zoologique : complément nutritionnel et comportemental, Congrès annuel des Jeunes Chercheur·e·s du Muséum national d'Histoire naturelle (27^e congrès), Paris, 3-5 Mai 2023.
- **Gérard, C.**, Pennec F., Allasonnière-Tang M., Bokika Ngawolo J.-C., Monghiemo C., Simmen B. & Narat V., Dietary diversity and variability of food resources: bonobos (*Pan paniscus*) ecological strategies adapted to a forest-savannah mosaic habitat, *SFE²-GFO-EEF Joint meeting, International Conference on Ecological Sciences, Metz, 21-25 Nov 2022*.
- **Gérard, C.**, Bardo A., Simmen B., Guéry J.-P., Pouydebat E., & Narat V., Répertoire de manipulation spontanée des bonobos (*Pan paniscus*) en conditions alimentaires de parc zoologique et en milieu naturel, *Société Française d'Etude du Comportement Animal (51^e colloque), Clermont-Ferrand, 31 Mai-2 Juin 2022*.
- **Lewden A.**, Ward C., Avril S., Abolivier L., **Gérard C.**, Hammer T., Robin J.-P., Viblanc V., Bize P & Stier A., Surface temperatures are influenced by handling stress independantly of glucocorticoid levels in wild king penguins, *Comité National Français des Recherches Arctiques et Antarctiques (18^e journées scientifiques), Toulouse, 10-12 Mai 2022*.
- **Gérard, C.**, Bardo A., Simmen B., Guéry J.-P., Pouydebat E., & Narat V., Répertoire de manipulation des bonobos en conditions alimentaires spontanées, *Société Francophone de Primatologie (33^e colloque), Saint-Etienne, 19-22 Octobre 2021*.
- **Valenchon M.**, Lindner A., Hennes N., **Gérard C.**, Petit O., Une maturation sociale et comportementale tardive ? *Journées Sciences et Innovations Equines, Saumur, 23-24 Mai 2019*.
- **Petit, O.**, **Gérard C.** & Valenchon, M., Le charisme du leader chez le cheval domestique, *Société Française pour l'Étude du Comportement Animal (48^e colloque), Rennes, 19-21 Juin 2018*.