

Mayte Martínez, PhD
Postdoctoral Research Fellowship, University of Michigan
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ACADEMIC EMPLOYMENT

2024 – pres. Postdoctoral Research Fellow.
Department of Psychology
University of Michigan, Ann Arbor, MI, USA
Mentor: Dr. Alexandra Rosati

EDUCATION

2018 – 2024 PhD in Psychology
University of Veterinary Medicine, Vienna
Advisors: Prof. Dr. Friederike Range and Prof. Dr. Sarah Brosnan
Thesis: “Animals’ understanding of the partners role in cooperation”

2014 – 2015 MSc degree in Research in Behavior and Cognition.
University of Barcelona, Spain.
Advisors: Dr Nereida Bueno and Dr. Montserrat Colell Mimó.
Thesis: “Moral dilemmas in children and chimpanzees”

2009 – 2014 Bachelor’s degree in Psychology.
University of Granada, Spain.
Advisor: Dr. M. Rosario Rueda.

PEER-REVIEWED PUBLICATIONS

1. **Martínez, M.**, and Brosnan, S.F. (2025). Capuchin monkeys’ responses to inequity in a group context. *Animal Behaviour*, 226, 123257. <https://doi.org/10.1016/j.anbehav.2025.123257>
2. Jim, H.L., Belfiore, K., Martinelli, E., **Martínez, M.**, Marshall-Pescini, S., and Range, F. (2025). Do dogs form reputations of humans? No effect of age after indirect and direct experience in a food-giving situation. *Animal Cognition*, 28(1), 51. <https://doi.org/10.1007/s10071-025-01967-w>
3. Mendes, J.W.W., Vindevogel, M., van Peer, I., **Martínez, M.**, Cimorelli, G., and Range, F. (2024). Dogs understand the role of a human partner in a cooperative task. *Scientific Reports*. 14, 10179. <https://doi.org/10.1038/s41598-024-60772-6>
4. **Martínez, M.**, Babb, M.H., Range, F., and Brosnan, S.F. (2024). The Joint Simon task is not joint for capuchin monkeys. *Scientific Reports*, 14(1), 5937. <https://doi.org/10.1038/s41598-024-55885-x>
5. **Martínez, M.**, Schöndorfer, S., Robinson, L.M., Brosnan, S.F., and Range, F. (2024). Some dogs can find the payoff-dominant outcome in the Assurance game. *iScience*, 27(1), 108698. <https://doi.org/10.1016/j.isci.2023.108698>
6. **Martínez, M.**, Robinson, L. M., Brosnan, S. F., and Range, F. (2023). Dogs take into account the actions of a human partner in a cooperative task. *Proceedings of the Royal Society B: Biological Sciences*, 290(1993), 20222189. <https://doi.org/10.1098/rspb.2022.2189>
7. Robinson, L.M., **Martínez, M.**, Leverett, K.L., Rossettie, M.S., Wilson, B.J., and Brosnan, S.F. (2021). Anything for a cheerio: Brown capuchins (*Sapajus [Cebus] apella*) consistently coordinate in an Assurance Game for unequal payoffs. *American Journal of Primatology*. 83(10):23321. <https://doi.org/10.1002/ajp.23321>

8. McGetrick, J., Poncet, L., Amann, M., Schullern-Schrattenhofen, J., Fux, L., **Martínez, M.**, and Range, F. (2021). Dogs fail to reciprocate the receipt of food from a human in a food-giving task. *PLoS One*, 16(7):0253277. <https://doi.org/10.1371/journal.pone.0253277>

MANUSCRIPTS UNDER REVIEW OR IN PREPARATION

(*) Indicates shared first authorship

1. Hall, K.*, **Martínez, M.***, Prétôt, L., Lambeth, S., Schapiro, S. and Brosnan, S.F. (*under review*). Chimpanzees' responses to inequity in a group context are influenced by food quality and their relationship with the group members present. *Proceedings of the Royal Society B*.
2. Multi100 consortium, Aczel, B., Szasz, B., Clelland, H.T. [et al, including **Martínez, M.**] (*under review*) Investigating the analytical robustness of the social and behavioural sciences. *Nature*.
3. **Martínez, M.** and Rosati, A.G. (*in preparation*). The evolution of human cognitive development. Invited review for *Yearbook of Biological Anthropology*.
4. **Martínez, M.**, Grilc, A., Kurt, A., and Range, F. (*in preparation*). Dogs generalize what they learned with a human partner to a cooperative task with conspecifics.
5. **Martínez, M.** and Rosati, A.G. (*in preparation*). Ignorance attribution in rhesus macaques.
6. **Martínez, M.** and Rosati, A.G. (*in preparation*). Do chimpanzees consider others' knowledge to guide their information seeking?

GRANTS, AWARDS, AND FELLOWSHIPS

- 2024 Travel Stipend, Canadian Institute for Advanced Research (CIFAR) Neuroscience of Consciousness Winter School, Cancún, Mexico.
- 2021 Marietta Blau Grant (PhD Fellowship). Austrian Agency for International Cooperation in Education, Science, and Research (OeAD). Funded my stipend while conducting research at the Language Research Center, Atlanta, USA. Total award: €22,493.
- 2014 Collaborative Research Grant (MSc Scholarship). Spanish Ministry of Science (MEC). Funded me to participate in research tasks in the Psychobiology department, University of Barcelona, Spain. Total award: €2,000.

RESEARCH EXPERIENCES

- 2025 – pres. Postdoctoral researcher
Ngamba Island Chimpanzee Sanctuary, Entebbe, Uganda
Topic: Information-seeking and knowledge/ignorance attribution in semi-free-ranging chimpanzees
- 2025 – pres. Postdoctoral researcher
Cayo Santiago Biological Field Station, Humacao, Puerto Rico
Topic: Information-seeking and knowledge/ignorance attribution in semi-free-ranging rhesus macaques

- 2021 – 2023 Visiting researcher
Language Research Center, Georgia State University, Atlanta, GA, USA
Topic: Cooperation and decision making in captive capuchin monkeys
- 2018 – 2022 Ph.D. research
Domestication lab and Clever Dog Lab, University of Veterinary Medicine, Vienna, Austria
Topic: Cooperation in domestic dogs
- 2017 – 2018 Field assistant volunteer
Inkawu Vervet Project, South Africa
Topic: various studies on wild vervet monkeys
- 2016 – 2017 Research assistant
University of Leipzig and EVA-MPI, Germany
Topic: innovative behavior in free-ranging and Barbary macaques (included work in Germany, France, and Spain)
- 2014 – 2015 Research assistant
Department of Psychology, University of Barcelona, Spain.
Topic: Moral development in pre-schoolers and school-age children
- 2013 – 2014 Student intern
Developmental neuroscience lab, University of Granada, Spain
Topic: Neural and genetic correlates of executive attention in children

CONFERENCE PRESENTATIONS

1. **Martínez, M.**, Cantwell, A., Rukondo, J., Machanda, Z., and Rosati, A.G. (2025). *Cognitive skills and rank shape social centrality in semi-free-ranging chimpanzees*. Meeting of the American Society of Primatologists, Chicago, USA (Oral presentation).
2. **Martínez, M.**, Babb, M.B., Range, F., and Brosnan, S.F. (2022). *Capuchin monkeys (*Sapajus [Cebus] apella*) show co-representation in a computer-based Joint-Simon task*. Meeting of the American Society of Primatologists, Denver, USA (Oral presentation).
3. **Martínez, M.**, Schöndorfer, S., Robinson, L.M., Brosnan, S.F., and Range, F. (2022). *Dogs coordinate on the Assurance Game*. Animal Behavior Society Meeting, San José, Costa Rica (Oral presentation).
4. **Martínez, M.**, Robinson, L.M., Brosnan, S.F., and Range, F. (2022). *Dogs take into account the actions of a human partner in a cooperative task*. International Conference on Comparative Cognition, virtual (Oral presentation).
5. **Martínez, M.**, Robinson, L.M., Brosnan, S.F., and Range, F. (2019). *Dogs' understanding of their partner's role in a cooperative task*. Scottish Primate Research Group Meeting, Brechin, United Kingdom (Oral presentation).
6. Bueno-Guerra, N., **Martínez, M.**, and Colell, M. (2016). *To take or not to take revenge: nine motives in children and adolescents*. IX International congress for juridical and forensic psychology, Madrid, Spain (Oral presentation).

MENTORSHIP AND SUPERVISION

- 2025 Annibelle Kazmierski. Internship Project: *Sociality and Cognition in chimpanzees*. University of Michigan, MI, USA.
- 2025 Valery Eaton, Internship Project: *Chimpanzees' linear entry order*. University of Michigan, MI, USA.
- 2025 Amy Dong. UROP (undergraduate) Project: *Does cognitive understanding of tools predict day-to-day tool use in semi-free-ranging chimpanzees?* University of Michigan, MI, USA.
- 2025 Grace daFaria. UROP (undergraduate) Project: *Individual differences in temperament predict social behavior in semi-free-ranging chimpanzees*. University of Michigan, MI, USA.
- 2023 Ana Grilc. MSc dissertation: *Can dogs generalize what they learned in a cooperative task to new human and conspecific partners?* University of Veterinary Medicine, Vienna, Austria.
- 2021 Selina Schöndorfer. MSc dissertation: *Do dogs coordinate with a conspecific partner in the Assurance Game?* University of Veterinary Medicine Vienna, Austria.
- 2021 Jasmin Schmid. MSc dissertation: *The Joint-Simon effect in pet dogs: a pilot study*. University of Veterinary Medicine Vienna, Austria.
- 2021 Apolline Kurt. MSc dissertation (University of Neuchatel): *Pet dogs' understanding of their conspecific partner's role in a cooperative task*. Supervised at University of Veterinary Medicine Vienna, Austria.

TEACHING AND LECTURES

- 2025 Invited talk. *Social minds: how dogs and primates make cooperative decisions*. CUNY CCP Colloquium, New York City, NY, USA.
- 2024 Guest lecture. *Cooperation in the animal kingdom*. Mount Holyoke College, MA, USA.
- 2023 Guest lecture. *Cooperation in the animal kingdom*. Hampshire College, MA, USA.
- 2020 Teaching assistant. Canine Evolution, Behaviour, and Cognition. Master's program in Human-Animal Interactions. University of Veterinary Medicine, Vienna, Austria.
- 2019 Teaching assistant. Into Science. Master's program in Human-Animal Interactions. University of Veterinary Medicine, Vienna, Austria.

PUBLIC OUTREACH

- 2025 Feria de Ciencias En Nuestra Lengua [Science Fair in Spanish] at Bach Elementary School. Audience: Pre-K – 5th grade. Ann Arbor, MI. USA.
- 2023 – 2024 Scientific advisor for Lucy Cooke's (science communication writer).
- 2019 – 2021 Wissenschaftsfest [Science Day] at University of Veterinary Medicine. Audience: General public. Vienna, Austria.
- 2019 – 2021 Lange Nacht der Forschung [Science Night] at University of Veterinary Medicine. Audience: General public. Vienna, Austria.

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| 2019 | Psychobeers at Planta Baja. Audience: Adults. Granada, Spain. |
| 2020 – 2024 | Talks at high schools in Spain about various topics (professional development in psychology, women in STEM, animal behavior). Audience: Teenagers. Various locations, Spain. |

ACADEMIC SERVICE

- Ad-hoc reviewer for: *Nature Communications*, *Philosophical Transactions B*, *Proceedings of the Royal Society B*, *Animal Behaviour*, *Behavioral Ecology and Sociobiology*, *American Journal of Primatology*, *PlosOne*
- Treasurer-elect (2024-2027) APA Division 6 Society for Behavioral Neuroscience and Comparative Psychology
- Organizer, Primate Journal Club for summer interns (2025), University of Michigan, Ann Arbor, MI, USA
- Conference service: Session chair, American Society of Primatologists (2022) and Animal Behavior Society (2022)

SKILLS

- Statistical analysis: (G)LMMs, GAM, Survival models, Social Network Analysis, Principal Component Analysis, Factor Analysis, Change-Point Analysis
- Experimental methods: Behavioral coding, scan and focal sampling, computer-based testing, thermal imaging, experimental design, cross-species methodology, fecal and urine sample collection and processing

LANGUAGES

Spanish: native

English: full professional proficiency

French: limited working proficiency