

# MARIANA BICALHO MAIA CORREIA

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## EDUCATION

2023 – present **Emory University**

*PhD in Biological Anthropology*

**University of Brasilia (UnB), Brasília, Federal District, Brazil**

2020 – 2023 *M.Sc. in Health Sciences (Subfield: Neuroscience)*

2014 – 2021 *Licentiate degree for primary and secondary education teaching*

2014 – 2018 *B.Sc. in Biological Sciences*

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## AWARDS & FELLOWSHIPS

2023 – 2026 **CAPES-Fulbright Scholarship for a Full PhD in the United States of America**

2025 **Center for Mind, Brain, and Culture Graduate Certificate Program Grant (USD 850.00)**

2024 **Center for Mind, Brain, and Culture Graduate Certificate Program Grant (USD 1,000.00)**

2020 – 2022 **Master's Scholarship (BRL 45,000.00)** | Coordination of Superior Level Staff Improvement (CAPES)

2022 **Financial aid award (BRL 3,000.00)** | Master's degree project execution support; based on curriculum analysis. University of Brasília.

2019 – 2022 **Research Grant for Master's thesis (BRL 70,000.00)** | Public selection of scientific, technologic and innovation research proposals; Federal District's Research Support Foundation.

2020 **Financial aid award (BRL 3,000.00)** | Master's degree project execution support; based on curriculum analysis. Issuing institution: University of Brasília.

2018 – 2019 **Undergraduate Research Scholarship** for scientific initiation | Issuing institution: Brazilian National Council for Scientific and Technological Development (CNPq).

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## RESEARCH POSITIONS

**University of Brasilia (UnB), Brasília, Federal District, Brazil**

2020 – 2023 *Master's degree student. Responsible for the project* / Advised by Dr. Rafael S. Maior  
Research Project: 'Electrophysiological characterization of prefrontal cortex and hippocampal neurons in a NMDA-antagonist schizophrenia model'  
• Analyze EEG and behavioral data; perform stereotaxic surgeries in rats; handling, training and drug administration for behavioral tests; euthanasia, perfusion and brain histology.

2023-2025 *Research Assistant* / Principal Investigators: Dr. Rafael S. Maior, Dr. Marília Barros  
Research Project: 'Marmosets as a model for spatial memory research'  
• Bibliography review on memory tests across species; co-draft systematic review paper.

2020 – 2023 *Research Assistant* | Principal Investigators: Dr. Rafael S. Maior, Dr. Marcia R. Mortari  
Research Project: 'Effects of bioinspired peptide Neurovespina on recognition memory of rodent and non-human primates'

- Collect data of mice and marmosets on memory paradigms; behavioral analysis on AnyMaze Software; co-draft working paper.

- 2021 *Research Assistant* | Principal Investigator: Dr. Rafael S. Maior  
Research Project: 'Role of superior colliculus in marmosets' threat detection (*Callithrix penicillata*)'
- Co-design the behavioral experiment; collect data of marmosets in a threat-reward conflict task before and after surgical intervention.
- 2018 – 2019 *Undergraduate thesis student. Responsible for the project* / Supervised by Dr. Ana Julia L. Pedreira
- Research Project: 'The role of the extension project "Meninas na Ciência ('Girls in Science') - University of Brasilia" in breaking gender stereotypes in the Academia'
- Delineate study, collect and analyze the participant's data; bibliography review on gender stereotype, scientific popularization and literacy, and science education; write and present the work as Honor Thesis for teaching licentiate degree.
- 2018 – 2019 *Undergraduate research student. Responsible for the project* | Supervised by Dr. Rafael S. Maior
- Research Project: 'Comparison of the effects of MK-801, PCP and KET as pharmacological models of schizophrenia in prepulse inhibition'
- Delineate the study; bibliography review on pharmacology, schizophrenia, startle response, sensorimotor gating.
- 2017 – 2018 *Undergraduate research student. Responsible for the project* | Supervised by Dr. Rafael S. Maior
- Research Project: 'CBD effects on sensorial changes induced by MK-801 in non-human primates'
- Create neuropsychological tests in e-Prime Software; design the experimental procedure; conditioned training of primates for behavioral tests.

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## TEACHING EXPERIENCE

### Teaching Assistantship

- Spring, 2025 *Nutritional Anthropology, Emory University* (Responsible PI: Dr. Craig Hadley)
- Fall, 2025 *Introduction to Archaeology, Emory University* (Responsible PI: Dr. Petra Creamer)
- Spring, 2024 *Medical Anthropology, Emory University* (Responsible PI: Dr. Laura Jones)
- Fall, 2021 *Elements of Physiology, University of Brasilia* (Responsible PI: Dr. Fabio V. Caixeta)
- 2021 **'An electrifying journey through the brain'** | "*Meninas na Ciência*" (*'Girls in Science'*) extension project, University of Brasilia  
Recorded Workshop for Science outreach
- 2020 **'Non-human primates: our first influencers?'** | *Biodiversity Symposium, University of Brasilia*  
Short Course (8-hour workload) about primate behavior, ecology & social cognition

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## PUBLICATIONS

Acero-Castillo, M. C., **Correia, M. B. M.**, Caixeta, F. V., Motta, V., Barros, M., & Maior, R. S. (2024). Is the antidepressant effect of ketamine separate from its psychotomimetic effect? A Review of rodent models. *Neuropharmacology*, 110088.

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## ACADEMIC SERVICE & OUTREACH

- 2025      **Manuscript reviewer** for *International Journal of Primatology*
- 2025      **Manuscript reviewer** for *Brain Structure and Function*
- 2024      **Respondent to “Can You Ethically Teach with Unethical Museum Collections?” manuscript draft** (by Dr. Petra Creamer) in *Archaeological Perspectives Workshop*
- 2022 – 2023 **Museum of Biology, University of Brasília**  
Volunteer; Text production and revision for the Neuroscience exhibition.
- 2019 – 2022 **‘Girls in Science - University of Brasilia’ extension project**  
Volunteer collaborator and Director of Marketing and Communication for Science outreach.
- 2017 – 2018 **Animal Biology Symposium, University of Brasilia**  
Steering Committee Member for editions VIII and IX.

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## RELEVANT TRAINING & WORKSHOPS

- 2021      Basics of Biosafety applied to Primatology | *Brazilian Primatology Society*
- 2021      The behavioral study: ethological and behavioral-analytic perspectives | *Brazilian Society of Neuroscience and Behavior*
- 2020      Introduction to R | *University of Brasilia*
- 2019      The Evolution of the normative mind | *University of Brasilia*
- 2019      Functional neuroimaging applied to human behavior | *Brazilian Society of Neuroscience and Behavior*