

BEATRIZ MACEDO DE OLIVEIRA ROCHA, PhD

Rio de Janeiro, Brazil • CNH cat B • Available for travel and moving

beatrizmacedoor@gmail.com • www.linkedin.com/in/beatrizmacedoor/ • Phone: +55 32 999365999

GOAL

Researcher

SUMMARY

Professional with 8 years of experience in biological sciences, with a strong foundation in immunology and omics technologies. Skilled in scientific communication, data interpretation, and relationship building with key opinion leaders (KOLs), healthcare professionals (HCPs), and cross-functional teams. Experienced in mentoring, academic evaluation, and participating in scientific discussions that bridge research and clinical relevance. Fluent in English, with international training in single-cell RNA-seq technologies applied to immune profiling and rare diseases. Currently seeking a position as a Researcher to promote scientific exchange, support innovation and evidence-based practice in healthcare.

Skills: Research • Communication • Teamwork • Team management • Multitasking • Technical Writing • Intellectual Curiosity • Scientific Dissemination • Networking • Presentation Skills • Project Leadership • KOL Engagement • Leadership • Analytical Reasoning • Scientific Support • Strategic Planning • Project oversight • Immunology • Genomics • English (Fluent).

PROFESSIONAL EXPERIENCE

Postdoctoral Researcher

2024 – Current

Federal University of Santa Catarina

Impact:

- Developed reproducible workflows to support data quality and interoperability in collaborative research.
- Selected with full bursary for an international training in single-cell technologies, strengthening expertise in methods relevant to disease diagnostics and therapeutic development.
- Participated in events bridging academia and the healthtech sector, reinforcing strategic understanding of innovation in clinical research.
- Acted in scientific advisory roles, including thesis evaluation, contributing to scientific excellence and mentorship.

Core Activities:

- Engaged in interdisciplinary discussions and scientific data discussions, translating complex data into clear, actionable insights.
- Supported early-career researchers in project design and analysis, fostering autonomy and scientific development.
- Contributed to the articulation of scientific content for diverse audiences, including technical documentation, project proposals, and educational content in both English and Portuguese.
- Maintained up-to-date knowledge of technological and regulatory advances relevant to biomedical innovation, particularly within the context of rare diseases and precision medicine
- Served as liaison between research teams and external stakeholders, aligning scientific goals with real-world applications.

PhD Research Assistant

2020 – 2024

Federal University of Juiz de Fora

Impact:

- Supervised and mentored seven undergraduate researchers and supported two master's students, contributing to the development of scientific skills across training levels, resulting in improved overall research group performance.
- Maintained high research productivity and met all program deadlines despite the challenges imposed by the COVID-19 pandemic.
- Implemented and standardized experimental protocols and developed custom databases that are currently in use by the research group, enhancing data quality and workflow efficiency.
- Established a new research line with promising biotechnological applications, expanding the group's innovation potential.

Core Activities:

- Project leader, responsible for planning and managing long and short-term projects.
- Presented scientific work at national and international conferences, strengthening communication with KOLs and HCPs.
- Engaged in interdisciplinary discussions and journal clubs, promoting critical data interpretation and evidence generation.

- Served on undergraduate thesis committees, supporting academic quality and mentorship.
- Collaborated cross-functionally to plan and execute research projects aligned with strategic goals.

Master’s Degree Research Assistant

2018 – 2020

Federal University of Juiz de Fora

- Impact:
- Conducted translational research on the immunometabolic effects of obesity in an experimental tuberculosis model, contributing to the understanding of host-microbiota-pathogen interactions.
 - Selected for oral presentation in English at an international immunology congress, demonstrating strong scientific communication skills.
 - Recognized for best presentation in a graduate-level research seminar, reinforcing clarity and impact in data-driven storytelling.

- Core Activities:
- Performed preclinical assays evaluating immune responses, cytokine production, and microbiota composition under metabolic stress conditions.
 - Participated in national and international scientific events, engaging with KOLs and expanding professional networks.
 - Interpreted complex biological data and contributed to protocol refinement, results synthesis, and scientific dissemination.
 - Worked in cross-functional academic teams, integrating data from immunology, microbiology, and metabolic health to support research outcomes.

Undergraduate Research Assistant

2015 – 2017

Federal University of Juiz de Fora

- Impact:
- Contributed to two master’s and one PhD research projects, generating essential developmental and behavioral data for preclinical obesity models.
 - Gained practical experience with animal handling and regulatory documentation (CEUA), supporting protocol compliance and ethical research practices.
 - Presented original research at scientific meetings, initiating early engagement with the academic community and scientific communication.

- Core Activities:
- Performed physical and neuromotor assessments in rodent models, ensuring high-quality data collection in preclinical studies.
 - Participated in scientific discussions and research training in animal facility practices, including CEUA documentation and ethical procedures.
 - Presented original research at academic events and engaged with multidisciplinary teams in the management and development of clinical research projects related to metabolic diseases.
 - Experience in oral presentations of scientific work to diverse audiences, including HCPs.

Additional Experience

- Document Processing Assistant:** Center for Distance Education (CAED/UFJF)
- 2012 – 2017
- Ensured accuracy and quality control in document processing, including evaluation curation and supporting team members during supervisory periods.

- Undergraduate Teaching Assistant:** Federal University of Juiz de Fora
- 2015 – 2016
- Designed supplementary learning materials, created and evaluated assessments, and provided academic support through regular office hours for “The Scientific Method and Research in Biology” discipline.

EDUCATION	
Doctoral Degree in Biology – Genetics and Biotechnology Federal University of Juiz de Fora	2020 - 2024
Technological Bachelor's Degree in Data Science Estácio de Sá University Center	2021 - 2023
Master’s Degree in Biology – Immunology and Infectious-Parasitic Diseases Federal University of Juiz de Fora	2018 - 2020

Postgraduate degree in Clinical Analysis Instituto Brasil de Ensino	2019 - 2019
Bachelor’s and Licentiate Degrees in Biological Sciences Federal University of Juiz de Fora	2011 - 2017

LANGUAGES		
Portuguese – Native	English – Fluent	Spanish – Basic