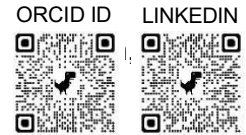


Letícia Lopes



MAIN AREAS OF RESEARCH

non-coding RNAs; cancer cachexia; muscular dystrophies; tumor microenvironment

EDUCATION AND PROFESSIONAL EXPERIENCES

Since Oct-2024 | Charité – Universitätsmedizin Berlin

Berlin, Germany

International Master's Program in Molecular Medicine

Master's Student in Molecular Medicine

2023 – 2024 | University of Sao Paulo

Sao Paulo, Brazil

Research Assistant, School of Pharmaceutical Sciences

Master's Student in Science (Pharmacy, Pathophysiology) | Supervisor: Prof. Dr. Paula Paccielli Freire

- Integrative analysis of nervous system and autoimmune mechanisms in gastric cancer cachexia.
- Bioinformatics tools, R, transcriptomic data analysis.

2021 – 2024 | IQVIA FSP Roche Pharma

Sao Paulo, Brazil

Clinical Research Associate

Neuroimmunology and Oncology Clinical Trials

- Monitor clinical trial activities at the site, including patient enrollment, study drug administration, and data collection.
- Assist clinical team with accurately updating and maintaining clinical systems that track site compliance and performance within project timelines. Mainly in female tumors, bladder tumors, hematological tumors, Alzheimer's disease, multiple sclerosis, myelin oligodendrocyte glycoprotein antibody-associated disease (MOGAD), and autoimmune encephalitis (AIE) protocols.

2020 – 2022 | University of Sao Paulo

Sao Paulo, Brazil

Thesis Research, Biomedical Sciences. Overall grade: 10/10

Institutional Scientific Initiation Scholarship Program in Cancer Immunology | Supervisor: Dr. Paula P. Freire

- Pan-cancer analysis of lymphocyte exhaustion-related genes using R for drug repositioning.
- Assisted in different experiments, such as SARS-CoV-2-infected hiPSC-derived cardiomyocytes for omics analysis (mRNAs and microRNAs).

2020 – 2021 | Roche Pharma

Sao Paulo, Brazil

Internship Program

Commercial Training Intern | Supervisor: Monica Ranal

- Assisted in the product launch training for TECENTRIQ® (Atezolizumab) as a first-line treatment for hepatocellular carcinoma (HCC).
- Created scientific training and materials.

2017 – 2022 | Sao Paulo State University

Botucatu, Brazil

B.A., Biological Sciences. Overall grade: 8.1/10

2019 – 2020 | Undergraduate Research in Molecular Genetics | Supervisor: Prof. Dr. Robson F. Carvalho

- Performed 2D culture of muscle cells (C2C12) to investigate myoblasts and myotubes differentiation focused on cancer-cachexia and muscular dystrophies.
- Conducted immunofluorescence, cell transfection (mimic-miR), RT-qPCR, RNA-seq, transcriptomic data analysis, and bioinformatic analysis.

2017 – 2018 | Undergraduate Research in Molecular Genetics | Supervisor: Prof. Dr. Robson F. Carvalho

- Performed 2D culture of muscle cells (C2C12) to investigate expression of muscle-specific microRNAs in muscle cells treated with interleukin-6.
- Assisted immunofluorescence, cell culture, RT-qPCR, ELISA, western blot, and bioinformatic analysis.

SCHOLARSHIPS AND AWARDS

2024 | Bayer Foundation – Carl Duisberg Fellowships for Medical Sciences

2023 | Financial support from National Council for Scientific and Technological Development (CNPq) FAPESP to attend the British Society for Immunology Congress in Belfast, UK

2021 – 2022 | Roche Pharma Internship Program recipient.

2020 – 2021 | National Council for Scientific and Technological Development (CNPq/PIBIC) scholarship recipient.

2019 – 2020 | FAPESP scholarship recipient.

2019 | Oral Presenter Award at XIV Open Congress to Biology Students (CAEB), University of Campinas, Unicamp, Campinas, Brazil | FAPESP scholarship recipient.

CONFERENCE AND PRESENTATIONS

December 2023 | **British Society for Immunology Congress.**

Belfast, UK

- Selected Poster presentation.

August 2022 | **30th International Symposium of Undergraduate Research.**

Sao Paulo, Brazil

- Selected Oral presentation.

September 2019 | **XXXIV FeSBE Annual Meeting.**

Campos do Jordao, Brazil

- Selected Poster presentation.

September 2019 | **XXXI Congress of Undergraduate Research.**

Botucatu, Brazil

- Selected Oral presentation.

July 2019 | **XIV Open Congress to Biology Students.**

Campinas, Brazil

- Selected Oral and Poster presentation.

April 2019 | **XIX Genetics Workshop.**

Botucatu, Brazil

- Selected Poster presentation and event organization.

February 2019 | **XXIV Summer Course in Genetics.**

Ribeirao Preto, Brazil

- Selected Oral presentation.

September 2018 | **XXX Congress of Undergraduate Research.**

Botucatu, Brazil

- Selected Poster presentation.

April 2018 | **XVIII Genetics Workshop.**

Botucatu, Brazil

- Selected Poster presentation.

ACADEMIC AND COMMUNITY SERVICE

2020	Disseminating and popularizing science at UNESP: interaction between postgraduate courses and basic education, university extension project, UNESP, Botucatu, Brazil.
2019-2020	Volunteered Commercial Director at IBB Jr, the Junior Enterprise university extension project at the Institute of Biosciences. Botucatu, Brazil.
2019-2020	Volunteered for the 'Biblioteca Sobre Rodas' project, a partnership between the Library of the Botucatu Biosciences Institute and the Botucatu Medical School (FMB). Conducted biweekly talks with patients and caregivers at the University Hospital in Botucatu, Brazil.
2018-2020	Graduate Student Representatives, Course Council (Biological Sciences), Institute of Biosciences, Sao Paulo State University (UNESP), Botucatu, Brazil.
2015	Volunteered for the 'Um Sorriso a Mais' project, improving the lives of children in the Santa Cruz community, Sao Jose dos Campos, Brazil.

SKILLS

Computer: Proficient in using R (intermediate) and Python (basic) for data analysis.

Languages: Portuguese (native), English (fluent, C1), Spanish (intermediate, B1).

PUBLICATIONS

For complete list see **Google Scholar** (<http://bit.ly/48ArnYK>).

1. **Lopes, L.O.**; Cury, S.S.; de Moraes, D.; Oliveira, J.S.; de Oliveira, G.; Cabral-Marques, O.; Fernandez, G.J.; Hirata, M.H.; Wang, D.-Z.; Dal-Pai-Silva, M.; et al. The Impact of miR-155-5p on Myotube Differentiation: Elucidating Molecular Targets in Skeletal Muscle Disorders. *Int. J. Mol. Sci.* 2024, 25, 1777. doi: [10.3390/ijms25031777](https://doi.org/10.3390/ijms25031777).
2. Freire, P.P.; Cury, S.S.; **Lopes, L.O.**; Fernandez, G.J.; Liu, J.; de Moraes, L.N.; de Oliveira, G.; Oliveira, J.S.; de Moraes, D.; Cabral-Marques, O.; et al. Decreased miR-497-5p Suppresses IL-6 Induced Atrophy in Muscle Cells. *Cells* 2021, 10, 3527. [10.3390/cells10123527](https://doi.org/10.3390/cells10123527).
3. Fonseca, D.L.M.; Filgueira, I.S; Baiocchi, G.C; Freire, P.P; **Lopes, L.O.**; Cabral-Marques, O.; et al. Dysregulated autoantibodies targeting AGTR1 are associated with the accumulation of COVID-19 symptoms. *npj Systems Biology and Applications*. [10.1038/s41540-025-00488-z](https://doi.org/10.1038/s41540-025-00488-z)

REFEREES

Dr. Paula P. Freire (Master's Co-Supervisor) School of Pharmaceutical Sciences, Sao Paulo, Brazil | freirepp2@gmail.com

Prof. Dr. Robson F. Carvalho (Undergraduate Co-Supervisor) Sao Paulo State University, Department of Structural and Functional Biology, Botucatu, Brazil | robson.carvalho@unesp.br