

## BIOGRAPHICAL SKETCH

NAME Marcelo Urbano Ferreira		POSITION TITLE Professor of Parasitology	
eRA COMMONS USER NAME MUFERREI			
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEARS	FIELD OF STUDY
University of São Paulo, Brazil	BA	1983-1987	History
University of São Paulo, Brazil	MD	1982-1988	Medicine
University of São Paulo, Brazil	Residency (Specialist)	1989-1993	Internal Medicine
University of São Paulo, Brazil	PhD	1994-1997	Parasitology
Gorgas Memorial Institute, USA	DTM&H	2000	Clinical Tropical Medicine
Harvard University, USA	Postdoc	2005-2006	Evolutionary Biology

### A. Personal Statement

As a physician/scientist with 30+ experience in biomedical and epidemiological research, I have gradually developed the expertise, leadership, training, and motivation necessary to conduct complex field research (including clinical trials) in resource-poor settings combined with state-of-the-art laboratory investigation. My current research addresses the epidemiology of malaria and other tropical and neglected infectious diseases, with the use of a wide range of immunological, genetic/genomic, and quantitative approaches. As a PI, project leader or co-investigator on several grants funded by the National Institutes of Health (NIH) of United States and other national and international agencies, I established a well-equipped field station in Acre State, which hosts the Brazilian component of the Amazonian Center of Excellence in Malaria Research supported by the National Institute of Allergy and Infectious Diseases (U19 AI089681), as well as modern facilities for laboratory investigation and data analysis (including statistical and mathematical modeling).

### B. Positions and Honors

#### Positions and Employment

1995-1997	Research Student, Department of Medical Zoology, Nagoya University School of Medicine, Nagoya, Japan. Supervisor: Fumihiko Kawamoto, PhD
1998-2001	Associate Professor of Parasitology, Faculty of Medicine of São José do Rio Preto, São José do Rio Preto, Brazil
1998-	Senior Research Fellow, National Research Council of Brazil (CNPq).
1999-2001	Attending Physician, Tropical Medicine Clinic, Hospital de Base, São José do Rio Preto, Brazil.
1990-2004	Instructor/Assistant Professor of Parasitology, University of São Paulo, Brazil.
2004-2007	Associate Professor of Parasitology, University of São Paulo, Brazil.
2005-2006	Visiting Post-Doctoral Researcher, Department of Organismic and Evolutionary Biology, Harvard University, Cambridge (MA), USA. Supervisor: Daniel L. Hartl, PhD.
2007-	Professor of Parasitology, University of São Paulo, Brazil.
2009-2014	Member of the Scientific Advisory Committee of the Worldwide Antimalarial Drug Resistance Network (WWARN), University of Oxford, United Kingdom.
2015-	Member, Malaria Technical Advisory Group, Pan American Health Organization, Washington, DC, USA
2015-2017	Member of the Advisory Committee on Microbiology and Parasitology, National Research Council of Brazil (CNPq).
2012-2015	Chair, Department of Parasitology, Institute of Biomedical Sciences, University of São Paulo, Brazil
2018-2020	Visiting Researcher, Institute of Hygiene and Tropical Medicine, Nova University of Lisbon, Lisbon, Portugal. Scholarship provided by Casa da América Latina/BCP Millenium Foundation.
2021-	Senior Researcher, Institute of Hygiene and Tropical Medicine, Nova University of Lisbon, Lisbon, Portugal.

## **Other Experience**

Ad-hoc peer reviewer for a number of journals, including: *BMC Microbiology*, *BMC Infectious Diseases*, *BMC Evolutionary Biology*, *Bulletin of the World Health Organization*, *Trends in Parasitology*, *Parasitology*, *Malaria Journal*, *Journal of Immunology*, *Journal of Infectious Diseases*, *Emerging Infectious Diseases*, *European Journal of Immunology*, *Molecular and Biochemical Parasitology*, *Experimental Parasitology*, *International Journal for Parasitology*, *Acta Tropica*, *PLoS Pathogens*, *PLoS Neglected Tropical Diseases*, *PLoS Medicine*, *Transactions of the Royal Society of Tropical Medicine and Hygiene*, *American Journal of Tropical Medicine and Hygiene*, *Molecular Biology and Evolution*, *Lancet*, *Lancet Infectious Diseases*, *Lancet Global Health*, *Molecular Ecology*, and *eLife*.

Ad-hoc peer reviewer for a number of funding agencies, including: National Institute of Allergy and Infectious Diseases (NIAID), Netherlands Organization for Scientific Research (NWO) (Holland), Wellcome Trust (UK), FAPESP, CNPq, and CAPES (Brazil).

Editorial Board member: *eLife* (reviewing editor since 2021), *PLoS Neglected Tropical Diseases* (deputy editor since 2017), *Memórias do Instituto Oswaldo Cruz* (since 2015), *Pathogens and Global Health* (since 2012), and *Parasite Epidemiology and Control* (since 2018).

Completed supervision of graduate students: 17 MSc candidates, 15 PhD candidates (2 co-supervised), 6 post-doctoral fellows.

Currently supervises: 2 undergraduate students, 2 PhD candidates and 2 post-doctoral fellows.

**C. Contribution to Science** (210 original articles, 2 textbooks, >6,000 citations; *h*-index, 45 (Web of Science); *h*-index, 46 (Scopus))

Complete List of Published Work in MyResearchID: <http://www.researcherid.com/rid/G-8289-2011>

Further details available at:

CV Lattes: <http://lattes.cnpq.br/5136161277318799>;

ORCID: <https://orcid.org/0000-0002-5293-9090>;

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=7402787474>;

## **D. Ongoing Research Support**

National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH): international Centers of Excellence in Malaria Research (ICEMR) program (5U19 AI089681-11, project 1) (PD, Vinetz [Yale Medical School, United States]; Project Leader, Project 1, Ferreira).

### **Amazonian Center of Excellence in Malaria Research**

04/01/2017-03/31/2024 (Calendar Months 3.0)

Fundação de Amparo à Pesquisa do Estado de São Paulo (FAPESP) (2016/18740-9) (PI, Ferreira)

### **Scientific bases for residual malaria elimination in the Brazilian Amazon**

06/01/2017-05/31/2022 (Calendar Months 2.0)

Fundação de Amparo à Pesquisa do Estado de São Paulo (FAPESP) (2020/04505-3) (PI, Ferreira)

### **Tracking the community-wide spread of SARS-CoV-2: outbreak size, transmission dynamics, clinical outcomes of infection, and duration of naturally acquired antibody responses in an Amazonian town**

04/01/2020-03/31/2022 (Calendar Months 0.5)

Fundação de Amparo à Pesquisa do Estado de São Paulo (FAPESP) (2020/03611-4) (PI, Ferreira and Lopera-Mesa [Universidad de Antioquia, Medellin, Colombia])

### **CYP2D6 polymorphism and the risk of *Plasmodium vivax* recurrences following chloroquine-primaquine treatment in Brazil and Colombia**

02/01/2021-01/31/2023 (Calendar Months 0.5)