

Thiago Cerqueira Silva

M.D./PH.D. STUDENT

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I am a Medical student at the Faculty of Medicine of Bahia-UFBA and a doctoral student in the Postgraduate Program in Health Sciences. I have experience in works related to epidemiology, biostatistics, and bioinformatics. My main academic interests are quantitative methods, epidemiology, and reproducibility. During my training, I sought to obtain knowledge that would allow me to act at the interface between data science and Medicine, using the knowledge of clinical practice for better development of study design, application of statistical methods, and interpretation of results. I have collaborated in the conception and analysis of several scientific works, including articles in Chagas disease, Chikungunya, and COVID-19.

Education

Universidade Federal da Bahia

Faculdade de Medicina da Bahia

M.D./Ph.D.

2014–2022

- MD Thesis: Influence of obstructive sleep apnea on cerebral vasoreactivity indices in patients with cerebral vascular accident
- PhD Thesis: Risk factors and pathogenesis of chronic Chikungunya disease

Publications

Two-dose ChAdOx1 nCoV-19 vaccine protection against COVID-19 hospital admissions and deaths over time: a retrospective, population-based cohort study in Scotland and Brazil

The Lancet

Katikireddi, S. V., **Cerqueira-Silva, T.**, Vasileiou, E., Robertson, C., Amele, S., Pan, J., ... Sheikh, A.

2022

Influence of age on the effectiveness and duration of protection of Vaxzevria and CoronaVac vaccines: A population-based study

The Lancet Regional Health - Americas

Cerqueira-Silva, T., Oliveira, V. de A., Boaventura, V. S., Pescarini, J. M., Junior, J. B., Machado, T. M., ... Barral-Netto, M.

2022

LTB4-Driven Inflammation and Increased Expression of ALOX5/ACE2 During Severe COVID-19 in Individuals With Diabetes

Diabetes

Bonyek-Silva, I., Machado, A. F. A., **Cerqueira-Silva, T.**, Nunes, S., Silva Cruz, M. R., Silva, J., ... Tavares, N. M.

2021

Tissue Inhibitor of Metalloproteinase-1 Is Increased in Chagasic Cardiomyopathy

The American Journal of Tropical Medicine and Hygiene

Garcia, K. O., **Silva, T. C.**, Nunes, M. C. P., Felix, I. F., Oliveira, M. A., Marques, M. E. L., ... Oliveira-Filho, J.

2021

Efficacy of Brazilian green propolis (EPP-AF®) as an adjunct treatment for hospitalized COVID-19 patients: A randomized, controlled clinical trial

Biomedicine & Pharmacotherapy

Silveira, M. A. D., De Jong, D., Berretta, A. A., Galvao, E. B. dos S., Ribeiro, J. C., **Cerqueira-Silva, T.**, ... Passos, R. da H.

2021

Chagas disease is an independent predictor of stroke and death in a cohort of heart failure patients

International Journal of Stroke

Cerqueira-Silva, T., Goncalves, B. M., Pereira, C. B., Porto, L. M., Marques, M. E., Santos, L. S., ... Oliveira-Filho, J.

2021

Bridging Learning in Medicine and Citizenship During the COVID-19 Pandemic: A Telehealth-Based Case Study

JMIR Public Health and Surveillance

Cerqueira-Silva, T., Carreiro, R., Nunes, V., Passos, L., Canedo, B. F., Andrade, S., ... Boaventura, V.

2021

Burnout syndrome and resilience in medical students from a Brazilian public college in Salvador, Brazil

Trends in Psychiatry and Psychotherapy

Dias, A. R., Fernandes, S. M., Fialho-Silva, I., **Cerqueira-Silva, T.**, Miranda-Scippa, A., & Galvao-de Almeida, A.

2021

A clinical scoring system to predict long-term arthralgia in Chikungunya disease: A cohort study	PLOS Neglected Tropical Diseases
De Moraes, L., Cerqueira-Silva, T.* , Nobrega, V., Akrami, K., Santos, L. A., Orge, C., ... Boaventura, V. S.	2020
Oral lesions are frequent in patients with Chikungunya infection	Journal of Travel Medicine
Casais, P. M., Akrami, K., Cerqueira-Silva, T. , Moraes, L. P., Rigaud, V. N., Neto, E. S., ... Boaventura, V. S.	2020
Association Between Risk of Obstructive Sleep Apnea and Cerebrovascular Reactivity in Stroke Patients	Journal of the American Heart Association
Castello-Branco, R. C., Cerqueira-Silva, T. , Andrade, A. L., Goncalves, B. M. M., Pereira, C. B., Felix, I. F., ... Oliveira-Filho, J.	2020
Factors associated with abnormal cardiac magnetic resonance imaging in embolic stroke of undetermined source	International Journal of Stroke
Neri, L. R., Torrealto, J. A., Porto, L. M., Goncalves, B. M., Andrade, A. L., Pereira, C. B., ... Oliveira-Filho, J.	2019

* co-first author

For the most updated list of publications see *my Google Scholar profile*.

Accepted articles

Vaccine Effectiveness of heterologous CoronaVac plus BNT162b2 in Brazil	Nature Medicine
Cerqueira-Silva, T. Katikireddi, S. V., ...Barral-Netto, Manoel; Boaventura, Viviane Sampaio	2022

Preprints

Effectiveness of CoronaVac, ChAdOx1, BNT162b2 and Ad26.COV2.S among individuals with prior SARS-CoV-2 infection in Brazil	medRxiv
Cerqueira-Silva, T. , Andrews, J. R., Boaventura, V. S., Ranzani, O. T., de Araújo Oliveira, V., Paixão, E. S., ... Barral-Netto, M.	2021
Post-Acute COVID Syndrome, the Aftermath of Mild to Severe COVID-19 in Brazilian Patients	medRxiv
Andrade Barreto, A. P., Duarte, L. C., Cerqueira-Silva, T. , Barreto Filho, M. A., Camelier, A., Tavares, N. M., ... Coelho Lima, M. C.	2021
Effectiveness of the CoronaVac Vaccine in Prevention of Symptomatic and Progression to Severe COVID-19 in Pregnant Women in Brazil	SSRN Electronic Journal
Paixão, E. S., Wong, K. L., Alves, F. J. O., de Araújo Oliveira, V., Cerqueira-Silva, T. , Júnior, J. B., ... Barral-Netto, M.	2021

Courses

III Curso de Verão em Bioinformática da UFMG	Federal University of Minas Gerais	2019
II International Course on Bioinformatics Analysis of RNA-Seq Data	Fundação Oswaldo Cruz - Instituto Carlos Chagas	2019
XVII Curso Internacional de Epidemiologia Molecular em Doenças Infecciosas	Instituto Gonçalo Moniz - Fiocruz Bahia	2017
STATSX0001: Statistical Learning	StanfordOnline	2021
Reproducible Research	Universidade Johns Hopkins-Coursera	2020

Statistical Analysis with R for Public Health - Specialization

Imperial College London-Coursera

2020

PH125.8x: Data Science: Machine Learning

HarvardX

2020

Epidemiology for Public Health - Specialization

Imperial College London-Coursera

2020

Academic Literacy

Moscow Institute of Physics and Technology-Coursera

2019

R Programming

Universidade Johns Hopkins-Coursera

2018

PH525.1x: Statistics and R

HarvardX

2018

Scholarships

The use of machine learning for diagnosis of COVID-19

UFBA

2021–2022

Monitoring and evaluation of the strategic actions of health provision and training programs during the COVID-19 pandemic

Fiotec

2020–2021

Gene expression in cutaneous leishmaniasis lesions and its clinical variants through high-throughput techniques

Fiotec

2019–2020

CHADSS: Chagas Disease Scan Study

NIH

2016–2017

Book Chapters

Vacinas contra a infecção pelo SARS-CoV-2

Construção de conhecimento no curso da pandemia de COVID-19: aspectos biomédicos, clínico-assistenciais, epidemiológicos e sociais

2020

Testes diagnósticos na COVID-19

Construção de conhecimento no curso da pandemia de COVID-19: aspectos biomédicos, clínico-assistenciais, epidemiológicos e sociais

2020

Aprendizado em medicina e cidadania durante a pandemia de COVID-19: um modelo de teletriagem em saúde

Construção de conhecimento no curso da pandemia de COVID-19: aspectos biomédicos, clínico-assistenciais, epidemiológicos e sociais

2020

Works presented in Congress

Lithium treatment and estimate glomerular filtration rate in bipolar disorder patients: A cross-sectional study

29th European Congress of Psychiatry

2021

Influence of risk of obstructive sleep apnea on cerebral vasoreactivity in patients with stroke

5th European Stroke Organisation Conference

2019

Coorte de 13 anos de pacientes com insuficiência cardíaca chagásica e não-chagásica: fatores de risco para AVC e morte

XII Congresso Brasileiro de Doenças Cerebrovasculares

2019

Neuronal depopulation, not silent cerebrovascular disease mediate cognitive dysfunction in Chagas disease

11th World Stroke Congress

2018

Pilot study of cardiac magnetic resonance imaging in embolic stroke of undetermined source (MR-ESUS)

3rd European Stroke Organisation Conference

2017



University Extension

PIBIEX-UFBA

AUGUST-2021/JANUARY-2022

- I participated in the project to develop a predictive machine learning algorithm to classify COVID-19 cases using only symptomatic data

Rede CoVida

MARCH-2020/SEPTEMBER-2020

- I participated creating text about scientific divulgation

Telecoronavirus: Ação das Escolas e Entidades Médicas da Bahia.

MARCH-2020/JULY-2020

- I helped in the coordination of this project that focused on mitigating the adverse effects of the COVID-19 pandemic through a strategy that combines telehealth and medical training

Liga Acadêmica de Ciências

JANUARY-2018/JANUARY-2022

- Co-founder of the Science Interest Group in my College.

Notes

- For a more detailed curriculum vitae, please visit my Lattes
- This CV is reproducible; all the source code behind this CV is available on this GitHub repo.