

## CLEBER VINICIUS BRITO DOS SANTOS

### PERSONAL DATA:

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Curriculum Lattes (Portuguese): <http://lattes.cnpq.br/9338000010851060>

### ACADEMICAL BACKGROUND:

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- 2020-current**      PhD in Public Health at Universidade do Estado do Rio de Janeiro, UERJ, Brazil.  
Thesis: "On the use of Agent based models to improve vaccination trials".  
*Advisors:* [Claudio Struchiner](#), [Guilherme Werneck](#)  
*Grantee of:* Conselho Nacional de Desenvolvimento Científico e Tecnológico ,CNPq ,Brasil.
- 2018 - 2020**      Master's in Public Health at Universidade do Estado do Rio de Janeiro, UERJ, Brazil.  
Dissertation: "Does deforestation drive visceral leishmaniasis? A counterfactual analysis"  
*Advisors:* [Claudio Struchiner](#), [Guilherme Werneck](#)  
*Grantee of:* Conselho Nacional de Desenvolvimento Científico e Tecnológico ,CNPq ,Brasil.
- 2010 - 2016**      Bachelor in Veterinary Medicine (DMV) at Universidade Federal Rural de Pernambuco (UFRPE), Brazil  
Undergraduate thesis: "Geoepidemiology of Dengue, Zika and Chikungunya during epidemic in Recife."  
*Advisor:* Daniel Friguglietti Brandespim.  
*Grantee of:* Conselho Nacional de Desenvolvimento Científico e Tecnológico ,CNPq ,Brasil.
- 2013 - 2014**      Visiting student at Università di Pisa.  
*Grantee of:* Conselho Nacional de Desenvolvimento Científico e Tecnológico ,CNPq ,Brasil.

### PROFESSIONAL BACKGROUND:

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- 2020-current**      Technical consultant for epidemiological matters at Great Panther's Tucano gold mine, Pedra Branca do Amapari-AP, Brazil.
- 2021-current**      Member of "Grupo de Trabalho Retorno às Atividades Escolares Presenciais" from the VPAAPS/Fiocruz
- 2021**      Research Assistant in the project "Covid-19-Rio: uma análise socioespacial de risco de incidência e mortalidade para o município do Rio de Janeiro" at Fundação Oswaldo Cruz Rio de Janeiro-RJ, Brazil.

*Grantee of:* Fundação de Apoio a Fiocruz (FIOTEC) (grant number VPPCB-005-FIO-20)

**2019 - 2020**

Professor of Infectious diseases surveillance at Escola Politécnica em Saúde Joaquim Venâncio – Fundação Oswaldo Cruz Rio de Janeiro-RJ, Brazil.

*Grantee of:* Fundação de Apoio a Fiocruz (FIOTEC) (grant number EPSJV-005-PPE-14)

#### **COMPLEMENTARY EDUCATION:**

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- Python for Data Science and AI - **IBM**
- What is Data Science - **IBM**
- Getting started with AI using IBM Watson - **IBM**
- Introduction to Computer Science in Python – **University of São Paulo**
- Statistics for Medical Professionals* – **Stanford University**
- Epidemiology: The Basic Science of Public Health*. **University of North Carolina at Chapel Hill**
- Intensive course of Medical Geography of Tropical Diseases*. **Fiocruz Bahia**
- Health in Humanitarian Crises*. **LSHTM**
- Preventing the Zika Virus: Understanding and Controlling the Aedes Mosquito*. **LSHTM**.
- Influenza: How the Flu Spreads and Evolves*. **Lancaster University**.
- Principles of Epidemiology in Public Health Practice*. **CDC**
- Introduction to Geostatistics with ArcGis 10.3*. **Universidade Federal Rural de Pernambuco, Brasil**.

#### **GRANTS AND AWARDS:**

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| <b>2020 - current</b> | <b>Brazilian National Council for Scientific and Technological Development (CNPq) PhD Scholarship</b>   |
| <b>2018-2019</b>      | <b>Brazilian National Council for Scientific and Technological Development (CNPq) MSc Scholarship</b>   |
| <b>2015-2016</b>      | <b>The Institutional Scientific Initiation Scholarship Program (PIBIC):</b><br>A large scale program funded by CNPq aimed at educating new researchers by including undergrad young talents in research projects. After carefully evaluation, the final papers are presented at the annual meeting of the Brazilian Society for the Progress in Science (SBPC). |
| <b>2013-2014</b>      | <b>Science Without Borders Scholarship:</b><br>A nationwide scholarship program funded by the Brazilian government (through CNPq and CAPES) to strengthen the initiatives of science, and technology through international mobility of 100 students in top universities worldwide per year.   |

#### **JOURNAL REVIEWER:**

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Brazilian Journal of Health Research (ISSN: 2175-3946)  
Cadernos de Saúde Coletiva (ISSN:2358-291X)  
Cadernos de Saúde Pública (ISSN: 1678-4464)  
Epidemiologia e Serviços de Saúde (1679-4974)  
Journal of Health and Biological Sciences (ISSN: 2317-3084)  
Saúde e Sociedade (ISSN: 0104-1290)

## LANGUAGE:

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- 1) Test of English as a Foreign Language - Institutional Testing Program (TOEFL ITP) Score: 593 (Equivalent to CEFR – B2).
- 2) Test of English Academic Purposes (TEAP) Score: 81 (Equivalent to CEFR - B2)
- 3) Corsi di Lingua e Cultura italiana. Università di Pisa, Equivalent to B1 and A2 levels.

## PUBLICATIONS:

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**Santos, C. V. B. D.**, Cavalcante, J. R., Pungartnik, P. C., & Guimarães, R. M. (2021). Space-time analysis of the first year of COVID-19 pandemic in the city of Rio de Janeiro, Brazil. *Revista Brasileira de Epidemiologia*, 24. <https://doi.org/10.1590/1980-549720210046>

**Santos, C. V. B. D.**, Sevá, A. D. P., Werneck, G. L., & Struchiner, C. J. (2021). Does deforestation drive visceral leishmaniasis transmission? A causal analysis. *Proceedings of the Royal Society B*, 288(1957), 20211537.

Azevedo e Silva, G., Cordeiro Jardim, B., & **Santos, C. V. B.** (2020). Excess mortality in Brazil in times of Covid-19. *Revista Ciência & Saúde Coletiva*, 25(9). <https://doi.org/10.1590/1413-81232020259.23642020>

Soares, E. N. L., Santos, M. A. B., Macedo, L. O. D., **Santos, C. V. B.**, Agra, M. C. R., Alves, L. C., ... & Carvalho, G. A. D. (2019). Spatial distribution of *Aedes aegypti* (Diptera: Culicidae) in vulnerable areas for the transmission of arboviruses. *Revista da Sociedade Brasileira de Medicina Tropical*, 52. <http://dx.doi.org/10.1590/0037-8682-0341-2018>

Silva, J. A. O., Silva, F. J. D., Macedo, L. O. D., **Santos, C. V. B.**, Alves, L. C., Ramos, R. A. N., ... & Carvalho, G. A. D. (2019). Sandflies in an endemic area for Visceral Leishmaniasis in Northeastern Brazil. *Revista Brasileira de Parasitologia Veterinária*, 28(4), 569-573. <http://dx.doi.org/10.1590/s1984-29612019073>

**Santos, C. V. B.**, Mathias, L. A., Feitosa, P. J. S., Oliveira, J. M. B., Pinheiro Júnior, J. W., & Brandespim, D. F.. (2019). Risk factors associated with leptospirosis in swine in state of Pernambuco, Brazil. *Arquivos do Instituto Biológico*, 86, e0632017. <https://dx.doi.org/10.1590/1808-1657000632017>

Souza, I. B., Fernandes, P. R., Silva, T. R. M., **Santos, C. V. B.**, Silva, N. M. M., Ubirajara Filho, C. R. C., Carvalho, G. A., Alves, L. C., Mota, R. A., & Ramos, R. A. N. (2019). Seroprevalence of *Neospora caninum* and *Toxoplasma gondii* in dogs from an urban area of North-eastern Brazil: a spatial approach. *Revista da Sociedade Brasileira de Medicina Tropical*, 52. <https://dx.doi.org/10.1590/0037-8682-0440-2018>

Lins, T. N. B., Souza, I. B. D., Barros, G. M. M. D. R., **Santos, C. V. B.**, Alves, L. C., Carvalho, G. A. D., & Ramos, R. A. N. (2018). Seroprevalence and spatial distribution of canine leishmaniasis in an endemic region in Brazil: how has the situation changed after 10 years?. *Revista da Sociedade Brasileira de Medicina Tropical*, 51(5), 680-682. <http://dx.doi.org/10.1590/0037-8682-0087-2018>

**SANTOS, C.V.B.**; MELO, R. B.; BRANDESPIM, D. F. Profile of human anti-rabies treatment in the 'agreste' region of Pernambuco State, Brazil, 2010-2012. *Epidemiologia e Serviços de Saúde*, v. 26, n. 1, p. 161-168, 2017.

**SANTOS, C.V.B.**; BRANDESPIM, D. F. Characteristics of Human Resources and challenges in the Work of Surveillance coordinators of Health in the Inland of Pernambuco. *Vigilância Sanitária em Debate: Sociedade, Ciência & Tecnologia*, v. 6, p. 54-60, 2018.