



## Izabela Mauricio Rezende

Postdoctoral Research Fellow, Infectious Diseases

### Bio

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#### BIO

I have a B.S. in Biology, M.Sc. in Immunology and Infectious diseases, Ph.D. in Microbiology, and a broad background in virology/microbiology and molecular biology applied to viral infectious diseases. I have a vast knowledge of classical virology, molecular biology, phylogenetic analysis, serological, and molecular diagnosis. I am working on recent YF outbreaks, focusing on viral dynamics, ecology, diagnosis, and the investigation of virological, immunological, and clinical aspects during the course of infection. We have supported the hospital and Secretary of Health of Minas Gerais with some laboratory testing applied to diagnosis of YF, viral genotyping related to YF patients suspected to have adverse events following vaccination, and other analysis. We also have been working on dynamics of the outbreak, on the virological, epidemiological, and immunological aspects during the course of yellow fever. During the COVID-19 pandemic, we also supported the Brazilian Ministry of Health with the SARS-CoV-2 diagnosis in human samples and also in the investigation of the SARS-CoV-2 RNA in surfaces of density public areas of Belo Horizonte. Since Nov/2018 I had been an editor in the journal *Docência do Ensino Superior* (RDES / GIZ / UFMG) and in Jan/2020 I became Editor-in-Chief.

#### HONORS AND AWARDS

- Highlighted poster, 7th Pan-American Dengue Research Network Meeting (2020)
- Oral presentation, IV FAMERP-UTMB: Emerging infections in the Americas (2019)
- Travel Grant: 16th International Course on Dengue, Zika, and other Emergent Arboviruses., Institute of Tropical Medicine Pedro Kourí. La Havana, Cuba. Scholarship: OPAS (2019)
- Travel grant for oral abstract presentation, 6th Pan-American Dengue Research Network Meeting (2018)
- Travel Grant for arboviruses course participation, São Paulo School of Advanced Science (2017)
- Travel grant: Molecular Epidemiology in Infectious Diseases of Global Significance, ICOPHAI and Centre for Genetic Engineering and Biotechnology (ICGEB) (2013)

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Editor-in-Chief, *Revista Docência do Ensino Superior* (UFMG - Brazil) <https://periodicos.ufmg.br/index.php/rdes> (2020 - present)
- Member, American Society of Tropical Medicine and Hygiene (2020 - present)
- Member, Brazilian Society of Virology (2012 - present)

#### STANFORD ADVISORS

- Desiree LaBeaud, Postdoctoral Faculty Sponsor

## Research & Scholarship

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### LAB AFFILIATIONS

- Desiree LaBeaud, LaBeaud Lab (8/1/2020)

### Publications

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#### PUBLICATIONS

- **Late-Relapsing Hepatitis after Yellow Fever** *VIRUSES-BASEL*  
Rezende, I., Pereira, L., Fradico, J., Xavier, M., Alves, P., Campi-Azevedo, A., Speziali, E., dos Santos, L., Albuquerque, N., Penido, I., Santos, T., Bom, A., da Silva, et al  
2020; 12 (2)
- **Genomic and epidemiological monitoring of yellow fever virus transmission potential** *SCIENCE*  
Faria, N. R., Kraemer, M. G., Hill, S. C., de Jesus, J., Aguiar, R. S., Iani, F. M., Xavier, J., Quick, J., du Plessis, L., Dellicour, S., Theze, J., Carvalho, R. O., Baele, et al  
2018; 361 (6405): 894+
- **Persistence of Yellow fever virus outside the Amazon Basin, causing epidemics in Southeast Brazil, from 2016 to 2018** *PLOS NEGLECTED TROPICAL DISEASES*  
de Rezende, I., Sacchetto, L., de Mello, E., Alves, P., de Melo Iani, F., Ribeiro Adelino, T., Duarte, M., Furtado Cury, A., Leal Bernardes, A., Santos, T., Pereira, L., Teixeira Dutra, M., Ramalho, et al  
2018; 12 (6): e0006538
- **Recent sylvatic yellow fever virus transmission in Brazil: the news from an old disease.** *Virology journal*  
Silva, N. I., Sacchetto, L. n., de Rezende, I. M., Trindade, G. d., LaBeaud, A. D., de Thoisy, B. n., Drumond, B. P.  
2020; 17 (1): 9
- **Neighbor danger: Yellow fever virus epizootics in urban and urban-rural transition areas of Minas Gerais state, during 2017-2018 yellow fever outbreaks in Brazil.** *PLoS neglected tropical diseases*  
Sacchetto, L. n., Silva, N. I., Rezende, I. M., Arruda, M. S., Costa, T. A., de Mello, É. M., Oliveira, G. F., Alves, P. A., de Mendonça, V. E., Stumpp, R. G., Prado, A. I., Paglia, A. P., Perini, et al  
2020; 14 (10): e0008658
- **Yellow Fever Virus Genotyping Tool and Investigation of Suspected Adverse Events Following Yellow Fever Vaccination** *VACCINES*  
de Rezende, I., Alves, P., Arruda, M., Goncalves, A., Oliveira, G., Pereira, L., Dutra, M., Campi-Azevedo, A., Valim, V., Tourinho, R., de Oliveira, J., Calzavara, C., Said, et al  
2019; 7 (4)
- **Circulation of Chikungunya virus East-Central-South Africa genotype during an outbreak in 2016-17 in Piauí State, Northeast Brazil** *REVISTA DO INSTITUTO DE MEDICINA TROPICAL DE SAO PAULO*  
Cardoso, F., de Rezende, I., Teixeira Barros, E., Sacchetto, L., de Carvalho Souza Garces, T., Oliveira Silva, N., Alves, P., Soares, J., Kroon, E., Toledo da Cunha Pereira, A., Drumond, B., Ferreira, G.  
2019; 61: e57
- **Evidence of natural Zika virus infection in neotropical non-human primates in Brazil** *SCIENTIFIC REPORTS*  
Terzian, A. B., Zini, N., Sacchetto, L., Rocha, R., Pereira Parra, M., Del Sarto, J., Fialho Dias, A., Coutinho, F., Rayra, J., da Silva, R., Costa, V., Couto De Azevedo Fernandes, N., Ressio, et al  
2018; 8: 16034
- **Molecular surveillance of dengue in Minas Gerais provides insights on dengue virus 1 and 4 circulation in Brazil** *JOURNAL OF MEDICAL VIROLOGY*  
Dutra, K., Drumond, B., de Rezende, I., Nogueira, M., Lopes, D., Calzavara Silva, C., Siqueira Ferreira, J., dos Santos, L.  
2017; 89 (6): 966–73