


Stanford



Rodrigo Guarischi Sousa

Postdoctoral Scholar, Cardiovascular Medicine

 Resume available Online

Bio

BIO

Working full time with bioinformatics for more than 13 years, I have had the opportunity to work mostly on: variant calling, bioinformatics pipeline development and automation, gene expression analysis by RNA-Seq, prokaryotic genome assembly and annotation, angiogenesis and machine learning.

Before joining Stanford as a postdoctoral scholar, I worked almost 5 years on a big clinical laboratory in Brazil named Diagnósticos da América (DASA), being responsible for the establishment and leadership of the bioinformatics department. My team was responsible for the validation/operation of multiple strategic products based NGS data as well as the bioinformatics support on selected research projects.

I am highly interested in biological questions that can be addressed by DNA sequencing, especially ideas that may be applied to improve general public health.

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Sao Paulo (2017)
- Master of Science, University of Sao Paulo (2012)
- Bachelor of Science, University of Sao Paulo (2010)

STANFORD ADVISORS

- Themistocles Assimes, Postdoctoral Faculty Sponsor
- Themistocles Assimes, Postdoctoral Research Mentor

LINKS

- LinkedIn: https://www.linkedin.com/in/rodrigoguarischi/?locale=en_US
- Github: <https://github.com/rodrigoguarischi>
- ORCID: <http://orcid.org/0000-0002-3614-9996>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Absolutely passionate about bioinformatics and biological questions that can be addressed by DNA sequencing, especially ideas that may be applied to improve general public health.

Publications

PUBLICATIONS

- **A transcriptome-based signature of pathological angiogenesis predicts breast cancer patient survival** *PLOS GENETICS*
Guarischi-Sousa, R., Monteiro, J. S., Alecrim, L. C., Michaloski, J. S., Cardeal, L. B., Ferreira, E. N., Carraro, D. M., Nunes, D. N., Dias-Neto, E., Reimand, J., Boutros, P. C., Setubal, J. C., Giordano, et al
2019; 15 (12): e1008482
- **Comparative Analysis of *Ralstonia solanacearum* Methylomes** *FRONTIERS IN PLANT SCIENCE*
Erill, I., Puigvert, M., Legrand, L., Guarischi-Sousa, R., Vandecasteele, C., Setubal, J. C., Genin, S., Guidot, A., Valls, M.
2017; 8: 504
- **Transcriptomes of *Ralstonia solanacearum* during Root Colonization of *Solanum commersonii*** *FRONTIERS IN PLANT SCIENCE*
Puigvert, M., Guarischi-Sousa, R., Zuluaga, P., Coll, N. S., Macho, A. P., Setubal, J. C., Valls, M.
2017; 8: 370
- **Complete genome sequence of the potato pathogen *Ralstonia solanacearum* UY031** *STANDARDS IN GENOMIC SCIENCES*
Guarischi-Sousa, R., Puigvert, M., Coll, N. S., Siri, M., Pianzola, M., Valls, M., Setubal, J. C.
2016; 11: 7