

Onicio B. Leal Neto, PhD, MS  
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## EDUCATION

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**Doctor of Philosophy, Epidemiology and Public Health** Fundação Oswaldo Cruz (FIOCRUZ-Brazil), 2018

*Dissertation title: Digital Disease Detection: health data mining and participatory surveillance strategies in Brazil*  
*Advisors: Wayner Souza; Eduarda Cesse; Oswaldo Cruz*

**Master of Science, Public Health** Fundação Oswaldo Cruz (FIOCRUZ-Brazil), 2014

*Dissertation title: SCHISTO TRACK - A System for Gathering and Monitoring Epidemiological Surveys by Connecting Geographical Information Systems in Real Time*  
*Advisors: Constança Barbosa; Jones Albuquerque*

**Residency in Collective Health** Fundação Oswaldo Cruz (FIOCRUZ-Brazil), 2012

**Bachelor of Science, Biomedical Sciences** ASCES/FAAPE (Brazil), 2009

## EMPLOYMENT

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**Assistant Research Professor** 1/2024 - Present  
University of Arizona, Department of Epidemiology and Biostatistics

**Senior Researcher** 2/2023 - 1/2024  
ETH Zurich, Department of Computer Science

**Consultant** 9/2022 – 1/2024  
Digital Innovation, Ending Pandemics

**Chief of Research & Development** 1/2022 – 10/2023  
Colab.re

**Post-doctoral researcher** 2/2019 – 1/2023  
University of Zurich, Department of Economics

**Research consultant** 7/2018 – 0/2019  
Unicef Malawi

**Consultant** 3/2014 – 12/2014  
Pan-American Health Organization

**Founder and CEO** 3/2014 – 01/2020  
EpiTrack (acquired by Colab.re)

**Strategic Information Official** 2/2012 – 12/2013  
CIEVS Pernambuco, Health secretary of Pernambuco

**Coordinator** 10/2010 – 02/2012  
CIEVS Recife, Health secretary of Recife

## HONORS AND AWARDS

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|-------------------------------------------------------------------------------------------------------------------------|------|
| <b>Best Innovation/Implementation Project</b><br>Swiss Society for Hospital Hygiene Award                               | 2020 |
|                                                                                                                         | 2017 |
| <b>Success Entrepreneur Startup</b><br>PEGN/INSPIER                                                                     | 2017 |
| <b>Best Mobile Health Government Award</b><br>World Government Award                                                    | 2016 |
| <b>Open Innovation (Popular vote)</b><br>Sustainable Brands                                                             | 2016 |
| <b>Top 10 Brazilian Innovators</b><br>PEGN Brazil                                                                       | 2016 |
| <b>Honor mention for Applied innovation in Health</b><br>Parliament of Pernambuco State                                 | 2016 |
| <b>The Venture Brazil</b><br>Pernod Ricard                                                                              | 2015 |
| <b>Best Master's Degree Dissertation</b><br>Brazil's Ministry of Health award for Science and Technology Applied to SUS | 2014 |

## SERVICE AND OUTREACH

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| <b>Teaching</b><br>EPID 526 – Digital Epidemiology Fall 2025<br>HPS 459/559 – Management of Global Public Health Emergencies Fall 2025                                            | 2025 – Present<br>2025 – Present                   |
| <b>Associate editor</b><br>JMIR Public Health and Surveillance<br>PLOS Digital Health                                                                                             | 2024 – Present<br>2025 - Present                   |
| <b>Editorial activities</b><br>Ad-hoc manuscript reviewer:<br>PLOS One<br>PLOS Digital Health<br>PLOS Global Health<br>The Lancet Regional<br>JMIR Public Health and Surveillance | 2024 – Present                                     |
| <b>Ad-hoc grant reviewer</b><br>TECNOVA III FACEPE                                                                                                                                | 2024                                               |
| <b>College committees</b><br>MEZCOPH CEPAS<br>MEZCOPH GFV Spark Program<br>MEZCOPH HERC                                                                                           | 2024 – Present<br>2024 – Present<br>2024 – Present |
| <b>Program director</b><br>Global Flu View<br>GFV Spark Program<br>Public Health & AI Summer School<br>AI for Public Health Initiative                                            | 2024<br>2024<br>2025<br>2025                       |

## PUBLICATIONS

### Submitted Articles (in review and accepted) and Book chapters

1. Luzingu, J., Hakim, I., & **Leal-Neto, O.** (2025). Large language models' interpretation homogeneity and text Analysis: Evaluating the utility of the global flu view platform for Influenza surveillance. medRxiv, 2025-01. (In Review PLoS Digital Health)
2. Enlow, MB, Petty CR, Cimini SR, Sidamon-Eristoff AE, Mulligan K, Quigley K, **Leal-Neto, O**, Dzekedzeke L, Laher B, Phuka J, Tomaselli N, Lichand, G. Initial validation of a method for assessing autonomic nervous system reactivity in epidemiological studies and low resource settings. (In Review, Psychophysiology)
3. Lichand, Guilherme and **Leal Neto, Onicio** and Phuka, John and Chipojola, Roselyn and Laher, Beverly and Enlow, Michelle Bosquet and Sidamon-Eristoff, Anne Elizabeth and Quigley, Kelsey and Weisleder, Adriana and Lew-Williams, Casey and Garcia, Paola and Carstensen, Alexandra and Kosie, Jessica and Okocha, Asana and Robles, Daniel and Paolotti, Daniela and Tomaselli, Nicolás and Ogando, Laura and Cattuto, Ciro and Carneiro, Pedro Manuel, The Early Childhood Development Replication Crisis, and How Wearable Technologies Could Help Overcome It (2022). (In Review, Scientific Reports) Available at SSRN: <https://ssrn.com/abstract=4162049>
4. **Leal-Neto, O.** (Forthcoming) Harnessing Digital Health Innovations in global maternal and child health. In: Maternal and Child Health – Global Challenges, Programs and Policies. 2<sup>nd</sup> Edition. Springer Nature

### Scientific journals articles (published)

1. Smolinski, M., Divi, N., & **Neto, O. L.** (2025). Collaborative Surveillance: Using a Minimum Set of Key Data Parameters for One Health Participatory Surveillance. JMIR Public Health and Surveillance, 11(1), e77448. <https://publichealth.jmir.org/2025/1/e77448/>
2. Niksirat KV, Munyendo CW, **Leal-Neto OB**, Katya M, Kouassi C, Ochieng K, Georgina A, Olayo B, Barras JP, Cattuto C, Aviv AJ, Troncoso C. Reimagining wearable-based digital contact tracing: Insights from Kenya and Côte d'Ivoire. ACM CHI'25. <https://doi.org/10.1145/3706598.3713817>.
3. McNeil C, Divi N, Bargerion IV CT, Capobianco Dondona A, Ernst KC, Gupta AS, Fasominu O, Keatts L, Kelly T, **Leal Neto OB** et al. Data Parameters From Participatory Surveillance Systems in Human, Animal, and Environmental Health From Around the Globe: Descriptive Analysis. JMIR Public Health Surveill 2025; 11:e55356 <https://publichealth.jmir.org/2025/1/e55356/>
4. Valerio, M. G. P., Laher, B., Phuka, J., Lichand, G., Paolotti, D., & **Leal Neto, O.** (2024). Participatory Disease Surveillance for the Early Detection of Cholera-Like Diarrheal Disease Outbreaks in Rural Villages in Malawi: Prospective Cohort Study. JMIR Public Health and Surveillance, 10, e49539. <https://publichealth.jmir.org/2024/1/e49539>
5. Divi, N., Mantero, J., Libel, M., **Leal Neto, O.**, Schultheiss, M., Sewalk, K., ... & Smolinski, M. (2024). Using EpiCore to Enable Rapid Verification of Potential Health Threats: Illustrated Use Cases and Summary Statistics. JMIR Public Health and Surveillance, 10, e52093. <https://publichealth.jmir.org/2024/1/e52093>
6. **Leal Neto O**, Von Wyl V. Digital Transformation of Public Health for Noncommunicable Diseases: Narrative Viewpoint of Challenges and Opportunities JMIR Public Health Surveill 2024;10:e49575 <https://publichealth.jmir.org/2024/1/e49575>
7. Kohler, P., Babouee Flury, B., Güsewell, S., Egger, T., **Leal, O.**, Brucher, A., ... & SURPRISE Study Group. (2023). Clinical symptoms of SARS-CoV-2 breakthrough infection during the Omicron period

in relation to baseline immune status and booster vaccination—A prospective multicentre cohort of health professionals (SURPRISE study). *Influenza and other respiratory viruses*, 17(6), e13167. <https://doi.org/10.1111/irv.13167>

8. **Leal Neto O**, Paolotti D, Dalton C, Carlson S, Susumpow P, Parker M, Phetra P, Lau E, Colizza V, Jan van Hoek A, Kjelsø C, Brownstein J, Smolinski M Enabling Multicentric Participatory Disease Surveillance for Global Health Enhancement: Viewpoint on Global Flu View *JMIR Public Health Surveill* 2023;9:e46644 URL: <https://publichealth.jmir.org/2023/1/e46644>
9. Wittwer S, Paolotti D, Lichand G, **Leal Neto O**. Participatory Surveillance for COVID-19 Trend Detection in Brazil: Cross-sectional Study *JMIR Public Health Surveill* 2023;9:e44517. <http://dx.doi.org/10.2196/44517>
10. Babouee Flury B, Güsewell S, Egger T, **Leal O**, Brucher A, et al. (2022) Risk and symptoms of COVID-19 in health professionals according to baseline immune status and booster vaccination during the Delta and Omicron waves in Switzerland—A multicentre cohort study. *PLOS Medicine* 19(11): e1004125. <https://doi.org/10.1371/journal.pmed.1004125>
11. Haller, S., Güsewell, S., Egger, T., Scanferla, G., Thoma, R., **Leal-Neto, O. B.**, Flury, D., Brucher, A., Lemmenmeier, E., Möller, J. C., Rieder, P., Rütli, M., Stocker, R., Vuichard-Gysin, D., Wiggli, B., Besold, U., Kuster, S. P., McGeer, A., Risch, L., ... Kohler, P. (2022). Impact of respirator versus surgical masks on SARS-CoV-2 acquisition in healthcare workers: a prospective multicentre cohort. *Antimicrobial Resistance and Infection Control*, 11(1). <https://doi.org/10.1186/s13756-022-01070-6>
12. Strahm, C., Seneghini, M., Güsewell, S., Egger, T., **Leal, O.**, Brucher, A., Lemmenmeier, E., Meier Kleeb, D., Möller, J. C., Rieder, P., Ruetti, M., Rutz, R., Schmid, H.-R., Stocker, R., Vuichard-Gysin, D., Wiggli, B., Besold, U., Kuster, S. P., McGeer, A., ... Kohler, P. (2022). Symptoms compatible with long-COVID in healthcare workers with and without SARS-CoV-2 infection - results of a prospective multicenter cohort. *Clinical Infectious Diseases: An Official Publication of the Infectious Diseases Society of America*. <https://doi.org/10.1093/cid/ciac054>
13. Lichand, G., Doria, C.A., **Leal-Neto, O.** et al. The impacts of remote learning in secondary education during the pandemic in Brazil. *Nat Hum Behav* (2022). <https://doi.org/10.1038/s41562-022-01350-6>
14. Lichand, G., Doria, C. A., Fernandes, J. P. C., & **Leal-Neto, O.** (2022, February). Association of COVID-19 incidence and mortality rates with school reopening in Brazil during the COVID-19 pandemic. In *JAMA Health Forum* (Vol. 3, No. 2, pp. e215032-e215032). American Medical Association. doi: [www.doi.org/10.1001/jamahealthforum.2021.5032](http://www.doi.org/10.1001/jamahealthforum.2021.5032)
15. **Leal-Neto O**, Egger T, Schlegel M, Flury D, Sumer J, Albrich W, Babouee Flury B, Kuster S, Vernazza P, Kahlert C, Kohler P. Digital SARS-CoV-2 detection among hospital employees: Participatory Surveillance study. *JMIR Public Health Surveill*. 2021. doi: [www.doi.org/10.2196/33576](http://www.doi.org/10.2196/33576)
16. **Leal Neto O**, Haenni S, Phuka J, Ozella L, Paolotti D, Cattuto C, Robles D, Lichand G. Combining Wearable Devices and Mobile Surveys to Study Child and Youth Development in Malawi: Implementation Study of a Multimodal Approach. *JMIR Public Health Surveill*. 2021 Mar 5;7(3):e23154. doi: [www.doi.org/10.2196/23154](http://www.doi.org/10.2196/23154) PMID: 33536159.
17. Kahlert CR, Persi R, Güsewell S, Egger T, **Leal-Neto OB**, Sumer J, et al. Non-occupational and occupational factors associated with specific SARS-CoV-2 antibodies among hospital workers – A multicentre cross-sectional study. *Clin Microbiol Infect*. 2021; Available from: [https://www.clinicalmicrobiologyandinfection.com/article/S1198-743X\(21\)00236-6/fulltext](https://www.clinicalmicrobiologyandinfection.com/article/S1198-743X(21)00236-6/fulltext)
18. KOHLER, P., KAHLERT, C., SUMER, J., FLURY, D., GÜSEWELL, S., **LEAL-NETO, O.**, . . . VERNAZZA, P. (2020). Prevalence of SARS-CoV-2 Antibodies among Swiss Hospital Workers - Results of a

Prospective Cohort Study. Infection Control & Hospital Epidemiology, 1-15.  
doi:10.1017/ice.2020.1244

19. OZELLA, L., PAOLOTTI, D., LICHAND, G., RODRIGUEZ, J. P., HAENNI, S., PHUKA, J., **LEAL-NETO OB & CATTUTO, C.** (2020). Using wearable proximity sensors to characterize social contact patterns in a village of rural Malawi. EPJ Data Sci. 10, 46 (2021). <https://doi.org/10.1140/epjds/s13688-021-00302-w>
20. **LEAL-NETO O.B.**, SANTOS F.A.S, LEE J.Y, ALBUQUERQUE J.O, SOUZA W.V, Prioritizing COVID-19 tests based on participatory surveillance and spatial scanning, International Journal of Medical Informatics, Volume 143,2020,104263, ISSN 1386-5056, <https://doi.org/10.1016/j.ijmedinf.2020.104263>.
21. **LEAL NETO O**, CRUZ O, ALBUQUERQUE J, SOUSA M, SMOLINSKI M, LIBEL M, CESSÉ E, VIEIRA SOUZA W. Participatory surveillance based on crowdsourcing during Olympic games Rio 2016: the case of Guardians of Health. 2019. JMIR Public Health and Surveillance <https://bit.ly/35qXFWP> DOI: 10.2196/16119
22. **LEAL NETO, O. B.**; DIMECH, G. ; LIBEL, M. ; SOUZA, W. V. ; CESSÉ, E. ; SMOLINSKI, M. ; OLIVEIRA, W. ; ALBUQUERQUE, J. . Saúde na Copa: The World's First Application of Participatory Surveillance for a Mass Gathering: FIFA World Cup 2014, Brazil. JOURNAL OF MEDICAL INTERNET RESEARCH, v. 3, p. 1-10, 2017. <http://bit.ly/2GGDqWT>. DOI: 10.2196/publichealth.7313
23. **LEAL NETO, ONICIO BATISTA**; ALBUQUERQUE, JONES ; SOUZA, WAYNER VIEIRA ; CESSÉ, EDUARDA ; CRUZ, OSWALDO GONÇALVES . Disruptive innovations and transformations in public health in the digital age. Reports in Public Health, v. 33, p. 1-4, 2017. <http://bit.ly/2ESjLmg>. DOI: [www.doi.org/10.1590/0102-311x00005717](http://www.doi.org/10.1590/0102-311x00005717)
24. **LEAL NETO, ONICIO BATISTA**; ALBUQUERQUE, JONES ; CRUZ, OSWALDO GONÇALVES ; CESSÉ, EDUARDA ; SOUZA, WAYNER VIEIRA DE . Optimistic perspectives for the health of the future. Reports in Public Health, v. 33, p. 1, 2017. <http://bit.ly/2ot3o8Q>. DOI: 10.1590/0102-311x00164017
25. **LEAL-NETO, OB**, et al. Role of Mass gathering surveillance. In: Disease Surveillance:Technological contributions to global health security. CRC Press. Boca Raton 2016. <https://bit.ly/2AKNAVN>. ISBN 9781482254396
26. PAOLOTTI D, SHAH U, EDELSTEIN M, **LEAL NETO O**, KOSTOKOVA P, WOOD C. Digital Health Innovation: From Proof of Concept to Public Value. Proceedings of the 9th International Conference on Digital Public Health. 2019. Pages 5-5. ISBN: 978-1-4503-7208-4 DOI: 10.1145/3357729.3357764
27. **LEAL NETO, O. B.** ; LIBEL, M. ; DIMECH, G. S. ; FERREIRA, J. P. ; OLIVEIRA, W. . Digital disease detection and participatory surveillance: overview and perspectives for Brazil. Revista de Saúde Pública (Online), v. 50, p. 1-5, 2016; <http://bit.ly/2oy5BQe> DOI: 10.1590/S1518-8787.2016050006201
28. **LEAL NETO, O.B.**; LOYO RODRIGO; ALBUQUERQUE, J; PERAZZO; JULIANA; BARBOSA, VERONICA; BARBOSA, CS. Using mobile technology to conduct epidemiological investigations .Rev. Soc. Bras. Med. Trop. vol.48 no.1 Uberaba Jan./ Feb. 2015; <http://bit.ly/2ozbyNc> DOI: 10.1590/0037-8682-0181-2014
29. CORLEY C; **LEAL-NETO, OB**; TAYLOR C; ESCOBAR-VIEIRA C; VILAS, VDR. What's in your pocket? Trends in Mobile Apps for Biosurveillance and Decision-making. Online J Public health Inform. 2015; 7(1):e3 <https://bit.ly/2hMbEgm>. DOI: 10.5210/ojphi.v7i1.5660

30. **LEAL NETO, OB**; ALBUQUERQUE CM; ALBUQUERQUE JO; BARBOSA CS. The Schisto Track: A System for Gathering and Monitoring Epidemiological Surveys by Connecting Geographical Information Systems in Real Time. JMIR Mhealth Uhealth 2014;2(1):e10; <https://bit.ly/2YCvwlg> DOI: 10.2196/mhealth.2859
31. OLIVEIRA, W. ; DIMECH, G. S. ; **LEAL-NETO, ONICIO** ; LIBEL, M. ; SMOLINSKI, M. . The world's first application of participatory surveillance at a mass gathering: FIFA World Cup 2014, Brazil. In: International Meeting on Emerging Diseases and Surveillance, 2014, Vienna. Abstracts of International Society for Infectious Diseases, 2014. p. 44-44.
32. Barbosa.C.S. ; SANTOS, R. S. ; Gomes, E. C.G. ; ARAÚJO, Karina Conceição Gomes Machado de ; ALBUQUERQUE, J. ; MELO, F. ; SEVILHA, M. A. ; BRASILEIRO, D. ; MELO, M. ; **LEAL-NETO ONICIO BATISTA** ; Barbosa, V.S. ; NASCIMENTO, W. R. C. ; GUIMARAES, R. . Epidemiology of schistosomiasis in coastal areas of Pernambuco State, Brazil. <https://bit.ly/2FbyBbq> DOI: 10.5216/rpt.v43i4.33607
33. Barbosa.C.S. ; GOMES, E. C. S. ; SOUZA, A. ; ARAUJO, K. C. ; **LEAL-NETO, ONICIO** ; GUIMARAES, R. . Tourism risk for schistosomiasis in Porto de Galinhas, Pernambuco State, Brazil. Revista Pan-Amazônica de Saúde. <https://bit.ly/2H8FhZw>. DOI: www.doi.org/10.5123/S2176-62232015000300007
34. Gomes, E. C.G. ; **LEAL-NETO, ONICIO BATISTA** ; OLIVEIRA JUNIOR, F. J. M. ; CAMPOS, J. V. ; SANTOS, R. S. ; Barbosa.C.S. . Risk analysis for occurrences of schistosomiasis in the coastal area of Porto de Galinhas, Pernambuco, Brazil.. BMC Infectious Diseases (Online) v. 14, p. 1471-2334, 2014. <https://bit.ly/2Ax0yGQ> DOI: 10.1186/1471-2334-14-101.
35. **LEAL NETO, O. B.**; GOMES, E. C. S. ; OLIVEIRA JUNIOR, F. J. M. ; ANDRADE, R. ; REIS, D. L. ; SANTOS, R. S. ; BOCANEIRA, S. ; Barbosa.C.S. . Biological and environmental factors associated with risk of schistosomiasis mansoni transmission in Porto de Galinhas, Pernambuco State, Brazil. Cadernos de Saúde Pública (ENSP. Impresso) v. 29, p. 357-367, 2013. <https://bit.ly/2FcYqrv>
36. **LEAL-NETO, ONICIO BATISTA**; ALBUQUERQUE, C. M. ; ALBUQUERQUE, J. ; Barbosa.C.S. ANKOS Mobile: A System for Collecting and Monitoring Epidemiological Surveys Interconnecting GIS with Real Time Information. In: 6th Word Congress Medicine 2.0, 2013, Londres. Abstracts iProceedings Booklet. Toronto: JMIR, 2013. p. 217-218. <http://bit.ly/2EbgorO>
37. BARBOSA, Constança Simões ; MELO, F. ; MELO, M. ; BEZERRA, L. ; CAMPOS, J. V. ; RODRIGUES, B. ; NASCIMENTO, W. ; Gomes, E. C.G. ; **LEAL NETO, O. B.** ; DOMINGUES, A. L. C. . Casos autoctones de esquistossomose mansoni em crianças de Recife, PE. Revista de Saúde Pública , v. 47, p. 684-690, 2013. <https://bit.ly/2RcLXdV> DOI: 10.1590/S0102-311X2013000200022
38. Barbosa, V.S. ; ARAÚJO, Karina Conceição Gomes Machado de ; **LEAL NETO, O. B.** ; BARBOSA, Constança Simões . Spatial distribution of schistosomiasis and geohelminthiasis cases in the rural areas of Pernambuco, Brazil. <https://bit.ly/2AxbwvQ> DOI: 10.1590/S0037-86822012000500017
39. LEAL-NETO ONICIO BATISTA; LIMA, P. M. ; MOREIRA, I. ; FELIX, L. ; SIVINI, M. A. V. C. ; AGUIAR, L. R. ; ASSUNCAO, R. ; CARVALHO, P. I. . Epidemiological Monitoring Of Rumors Through Social Networks During Mass Gatherings. In: 6th Word Congress Medicine 2.0, 2013, Londres. Abstracts iProceedings Booklet. Toronto: JMIR, 2013. p. 216-217. <http://bit.ly/2YFtGGt>
40. **LEAL NETO, O. B.**; CAVANCANTI, T. Y. ; ESTEVES, F. A. M. ; MARITCHA, A. A. ; GOMES, E. C. S. ; ARAÚJO, Karina Conceição Gomes Machado de ; BARBOSA, Constança Simões . Análise espacial dos casos humanos de esquistossomose em uma comunidade horticultora da Zona da Mata de Pernambuco, Brasil. Revista Brasileira de Epidemiologia (Impresso), v. 15, p. 771-780, 2012. <https://bit.ly/2C5qRUm> DOI: 10.1590/S1415-790X2012000400009.

41. GOMES, E. C. S. ; **LEAL NETO, O. B.** ; ALBUQUERQUE, J. ; SILVA, H. P. ; Barbosa.C.S. . Schistosomiasis transmission and environmental change: a spatio-temporal analysis in Porto de Galinhas, Pernambuco – Brazil. <https://bit.ly/2CUa9Je> DOI: 10.1186/1476-072X-11-51 2011
42. **LEAL NETO, O. B.**; GOMES, E. C. S. ; ALBUQUERQUE, J. ; Barbosa.C.S. . Estratégias do Futuro para Enfrentar Problemas do Passado: Celulares do tipo smartphones, Twitter e SMS criam rede nova, barata e eficiente para o combate à esquistossomose, doença que agora contamina sem distinção social. Scientific American Brasil, v. 106, p. 48-51, 2011. <https://bit.ly/2FcqUC2> DOI: 10.17605/OSF.IO/HBJMF
43. Barbosa.C.S. ; **LEAL NETO, O. B.** ; GOMES, E. C. S. ; ARAUJO, K. C. ; DOMINGUES, A. L. C. . The endemisation of schistosomiasis in Porto de Galinhas, Pernambuco, Brazil, 10 years after the first epidemic outbreak. <https://bit.ly/2F8b7E0> DOI: 10.1590/S0074-02762011000700014
44. **LEAL NETO, O. B.**; GOMES, E. C. S. ; ALBUQUERQUE, C. M. ; ALBUQUERQUE, J. ; Barbosa.C.S. . Use of computerized templates and mobile technology in putting epidemiological surveys into operation in the field.. In: V Simpósio Nacional de Geografia da Saúde, 2011, Recife. Anais do V Simpósio Nacional de Geografia da Saúde. Recife, 2011.

## MEDIA

### Interviews

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| 1. <b>U of A teaches how AI can be used in public health</b><br><a href="https://tucson.com/news/local/education/college/article_f9ab1e44-21f1-4f9f-a4c1-0afc74a5bb44.html">https://tucson.com/news/local/education/college/article_f9ab1e44-21f1-4f9f-a4c1-0afc74a5bb44.html</a>                                                                                                         | 2025 |
| 2. <b>Public Health scientist leverages evolving technology to track diseases</b> The University of Arizona Health Sciences <a href="https://healthsciences.arizona.edu/connect/stories/public-health-scientist-leverages-evolving-technology-track-diseases">https://healthsciences.arizona.edu/connect/stories/public-health-scientist-leverages-evolving-technology-track-diseases</a> | 2024 |
| 3. <b>Finding and blocking infection routes in hospitals</b><br>ETH Zurich<br><a href="https://ethz.ch/en/news-and-events/eth-news/news/2024/02/finding-and-blocking-infection-routes-in-hospitals.html">https://ethz.ch/en/news-and-events/eth-news/news/2024/02/finding-and-blocking-infection-routes-in-hospitals.html</a>                                                             | 2024 |
| 4. <b>Detetive de Doenças</b><br>Fork Podcast<br><a href="https://www.youtube.com/watch?v=yQXU1HJTfZc&amp;ab_channel=ForkPodcast">https://www.youtube.com/watch?v=yQXU1HJTfZc&amp;ab_channel=ForkPodcast</a>                                                                                                                                                                              | 2022 |
| 5. <b>Govtech Colab compra EpiTrack, que foi destaque no controle da Zika</b><br>Canal Tech<br><a href="https://canaltech.com.br/startup/govtech-colab-compra-epitrack-que-foi-destaque-no-controle-da-zika-204826/">https://canaltech.com.br/startup/govtech-colab-compra-epitrack-que-foi-destaque-no-controle-da-zika-204826/</a>                                                      | 2021 |
| 6. <b>Exclusivo: govtech Colab compra a healthtech EpiTrack</b><br>Pequenas Empresas & Grandes Negócios<br><a href="https://revistapegn.globo.com/Startups/noticia/2021/12/exclusivo-govtech-colab-compra-healthtech-epitrack.html">https://revistapegn.globo.com/Startups/noticia/2021/12/exclusivo-govtech-colab-compra-healthtech-epitrack.html</a>                                    | 2021 |
| 7. <b>John Snow's Legacy</b><br>UZH News<br><a href="https://www.news.uzh.ch/en/articles/2021/social-entrepreneurship.html">https://www.news.uzh.ch/en/articles/2021/social-entrepreneurship.html</a>                                                                                                                                                                                     | 2021 |

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| 8.  | <b>A Brazilian Scientist's Tool for Curbing Outbreaks</b><br>The Creators with Robert Hocking<br><a href="https://www.youtube.com/watch?v=o-la0U43YDE&amp;ab_channel=TheCreatorsWithRobertHocking">https://www.youtube.com/watch?v=o-la0U43YDE&amp;ab_channel=TheCreatorsWithRobertHocking</a>                                                                                                  | 2020 |
| 9.  | <b>Dados de tecnologia na Gestão Pública do Coronavírus</b><br>Exame Talks<br><a href="https://www.spreaker.com/episode/dados-de-tecnologia-na-gestao-publica-do-coronavirus-exame-talks--58340121#:~:text=No%20,Fundador%20e%20CEO%20da">https://www.spreaker.com/episode/dados-de-tecnologia-na-gestao-publica-do-coronavirus-exame-talks--58340121#:~:text=No%20,Fundador%20e%20CEO%20da</a> | 2019 |
| 10. | <b>Pesquisador usa inovação digital contra Covid-19 no Brasil e Suíça</b><br>SWI<br><a href="https://www.swissinfo.ch/por/ciencia/inoa%a7%a3o_pesquisador-usa-inova%a7%a3o-digital-contra-covid-19-no-brasil-e-su%ad%a7a/45696432">https://www.swissinfo.ch/por/ciencia/inoa%a7%a3o_pesquisador-usa-inova%a7%a3o-digital-contra-covid-19-no-brasil-e-su%ad%a7a/45696432</a>                     | 2019 |
| 11. | <b>Pesquisadores criam ferramenta para mapear risco de avanço do coronavírus no Brasil</b><br>Saude Business<br><a href="https://www.saudebusiness.com/ti-e-inovao/pesquisadores-criam-ferramenta-para-mapear-risco-de-avanco-do-coronavrus-no-brasil/">https://www.saudebusiness.com/ti-e-inovao/pesquisadores-criam-ferramenta-para-mapear-risco-de-avanco-do-coronavrus-no-brasil/</a>       | 2019 |
| 12. | <b>Uma startup brasileira ajuda a prevenir epidemias no Malawi</b><br>Pequenas Empresas & Grandes Negócios<br><a href="https://revistapegn.globo.com/Startups/noticia/2019/04/uma-startup-brasileira-ajuda-prevenir-epidemias-no-malawi.html">https://revistapegn.globo.com/Startups/noticia/2019/04/uma-startup-brasileira-ajuda-prevenir-epidemias-no-malawi.html</a>                         | 2019 |
| 13. | <b>AWS Now Go Build</b><br>Amazon Web Services<br><a href="https://www.youtube.com/watch?v=NNNju68n2do&amp;t=258s">https://www.youtube.com/watch?v=NNNju68n2do&amp;t=258s</a>                                                                                                                                                                                                                   | 2018 |
| 14. | <b>Como a tecnologia pode ser aplicada em prol da saúde pública</b><br>HSM Experience<br><a href="https://experience.hsm.com.br/posts/tecnologia-aplicada-na-saude-publica">https://experience.hsm.com.br/posts/tecnologia-aplicada-na-saude-publica</a>                                                                                                                                        | 2018 |
| 15. | <b>Conexão</b><br>TV Cultura<br><a href="https://www.youtube.com/watch?v=L4CVIUWgLIo&amp;ab_channel=Epitrack">https://www.youtube.com/watch?v=L4CVIUWgLIo&amp;ab_channel=Epitrack</a>                                                                                                                                                                                                           | 2017 |
| 16. | <b>Startup pernambucana cria 'uber' das consultas médicas</b><br>JC<br><a href="https://jc.ne10.uol.com.br/canal/economia/pernambuco/noticia/2017/10/29/startup-pernambucana-cria-uber-das-consultas-medicas-313554.php">https://jc.ne10.uol.com.br/canal/economia/pernambuco/noticia/2017/10/29/startup-pernambucana-cria-uber-das-consultas-medicas-313554.php</a>                            | 2017 |
| 17. | <b>Eles pararam de reclamar dos governos - e estão usando o celular para melhorar a política</b><br>BBC.com<br><a href="https://www.bbc.com/portuguese/brasil-36660936">https://www.bbc.com/portuguese/brasil-36660936</a>                                                                                                                                                                      | 2016 |
| 18. | <b>Campus Party Recife: aplicativos usam tecnologia a favor de causas sociais</b><br>Imirante<br><a href="https://imirante.com/noticias/brasil/2016/08/21/campus-party-recife-aplicativos-usam-tecnologia-a-favor-de-causas-sociais">https://imirante.com/noticias/brasil/2016/08/21/campus-party-recife-aplicativos-usam-tecnologia-a-favor-de-causas-sociais</a>                              | 2016 |
| 19. | <b>Epitrack, a startup recifense que irá representar o Brasil no The Venture Global</b><br>Projeto Draft                                                                                                                                                                                                                                                                                        | 2015 |

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PRESENTATIONS (last 3 years)

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| <b>1. Artificial Intelligence trends for Telco</b><br>TIM AI Academy, Rio de Janeiro, Brazil                                                                        | 2025 |
| <b>How the present is shaping the future of health</b><br>AI Bootcamp São Paulo, Brazil                                                                             | 2025 |
| <b>Digital Epidemiology Overview</b><br>GFV Spark Workshop, MEZCOPH UA                                                                                              | 2025 |
| <b>Participatory Surveillance Overview</b><br>GFV Spark Workshop, MEZCOPH UA                                                                                        | 2025 |
| <b>Strategies for Acquisition, Engagement and retention in participatory surveillance strategies</b><br>GFV Spark Workshop, MEZCOPH UA                              | 2025 |
| <b>AI Health Revolution</b><br>Inspirali, Brazil                                                                                                                    | 2024 |
| <b>Data-driven decision making</b><br>Novo Nordisk LATAM/SUBR, Brazil                                                                                               | 2024 |
| <b>AI Ethics and Data Governance</b><br>Novo Nordisk LATAM/SUBR, Brazil                                                                                             | 2024 |
| <b>Leadership in the AI Age</b><br>Novo Nordisk LATAM/SUBR, Brazil                                                                                                  | 2024 |
| <b>Innovation Through data</b><br>Novo Nordisk LATAM/SUBR, Brazil                                                                                                   | 2024 |
| <b>Planning and Executing Analytics and AI Strategy</b><br>Novo Nordisk LATAM/SUBR, Brazil                                                                          | 2024 |
| <b>Data, Digital Wizards and a whole lot of AI: Epidemiology's glow-up for the new age</b><br>Epi Seminar, Department of Epidemiology and Biostatistics, MEZCOPH UA | 2024 |
| <b>Digital Epidemiology: unlocking the future of disease surveillance</b><br>Epi Seminar, Department of Epidemiology and Biostatistics, MEZCOPH UA                  | 2024 |
| <b>Global Flu View</b><br>One Health Symposium, MEZCOPH, UA                                                                                                         | 2024 |
| <b>How the present is shaping the future of health</b><br>AI Bootcamp São Paulo, Brazil                                                                             | 2024 |
| <b>Digital Health Revolution</b><br>Executive Program SUBR 2024 São Paulo, Brazil                                                                                   | 2024 |

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| <b>Digital Health Revolution</b><br>Executive Program SUBR 2023 Embu das Artes, Brazil                              | 2023 |
| <b>Digital Contact Tracing LMICs deployments</b><br>I-Dair Annual Review Meeting, ETH Zurich, Switzerland           | 2023 |
| <b>Digital Public Health: Unlocking the future of disease surveillance</b><br>ISI Foundation Seminars, Turin, Italy | 2023 |
| <b>Global Flu View</b><br>International Workshop on Participatory Surveillance, Cambodia                            | 2022 |
| <b>Global Flu View</b><br>EOS GTM – World Health Organization, Egypt                                                | 2022 |

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#### SUBMITTED GRANTS/CONTRACTS

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| <b>Learning <math>R_0</math> for AI: Network-driven strategies to advance women in health workplaces</b><br>WIN AI Challenge – ASPEN Institute - \$5,000,000<br>PI<br><i>Writing</i>                                                     | 2025 |
| <b>Leveraging Global Flu View for AI-Driven Digital Transformation in Healthcare</b><br>Thumbay International Research Grant - 120,000 AED<br>PI<br><i>Funded</i>                                                                        | 2025 |
| <b>Global Flu View: enhancing public health intelligence for early detection of influenza threats variants through multi-modal disease surveillance</b><br>Open Philantropy - \$1,000,000<br>PI<br><i>Writing</i>                        | 2025 |
| <b>Multi-modal Approach for Predicting Infection Routes in Nursing Homes</b><br>New Investigator Grant - Arizona Department of Health Service – \$225,000<br>PI<br><i>Funded</i>                                                         | 2024 |
| <b>Establishing the Digital Epidemiology and Innovation Hub: Advancing AI-Driven Solutions for Global Health Security Challenges at the University of Arizona</b><br>Provost Investment Fund - \$196,350.00<br>PI<br><i>Not selected</i> | 2024 |
| <b>Preventing Global Health Threats in the AI era</b><br>Doris Duke foundation - \$59,397.10<br>Co-PI<br><i>Not selected</i>                                                                                                             | 2024 |
| <b>Multi-modal Approach for Predicting Infection Routes in Nursing Homes</b><br>Robert Wood Johnson Foundation - \$2,683,371.00<br>PI<br><i>Not selected</i>                                                                             | 2024 |

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| <b>AERATE: Automated Environmental Review, Assessment and Treatment for Education</b><br>ARPA-H - \$3,341,135.00<br>Co-PI<br><i>Not selected</i>                                                                            | 2024        |
| <b>Assessing Enteric Disease Risk from Post-wildlife Flooding</b><br>SCORCH – \$24,326.00<br>Co-I<br><i>Not selected</i>                                                                                                    | 2024        |
| <b>Global Flu View</b><br>Observatoire de la e-Santé dans les Pays du Sud (ODESS) 2025 Fondation Pierre Fabre - \$50,000.00<br>PI<br>Not selected                                                                           | 2024        |
| <b>EPFL I-DAIR Covid-19 Real-time</b><br>Fondation Botnar - \$5,500.000<br>Funded<br>Co-I                                                                                                                                   | 2021 – 2024 |
| <b>Child Development Study</b><br>UNICEF Malawi – 1,600,000 CHF<br>Co-PI<br>Funded                                                                                                                                          | 2020 – 2022 |
| <b>Incidence, Spectrum of Symptoms and Risk Factors for Coronavirus Disease 2019 (COVID-19) among Healthcare Workers - a Prospective Cohort Study</b><br>Swiss National Science Foundation - \$400,000.00<br>Co-I<br>Funded | 2020 – 2021 |
| <b>Inception Phase child Development Study</b><br>UNICEF Malawi – 127,000 USD<br>Co-PI<br>Funded                                                                                                                            | 2019        |
| <b>Biosecurity/LIKA</b><br>University of Nagasaki - \$40,000.00<br>Co-PI<br>Funded                                                                                                                                          | 2017        |
| <b>Guardians of Health</b><br>FACEPE - \$50,000.00<br>PI<br>Funded                                                                                                                                                          | 2016        |
| <b>Guardians of Health</b><br>Skoll Global Threats Fund - \$244,000.00<br>PI<br>Funded                                                                                                                                      | 2015-2016   |

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|------------------------------------------------|------|
| <b>Epicrowd</b>                                | 2015 |
| Skoll Global Threats Fund – \$186,000.00       |      |
| PI                                             |      |
| Funded                                         |      |
| <b>Epihack Rio</b>                             | 2015 |
| Skoll Global Threats Fund - \$184,000.00       |      |
| PI                                             |      |
| Funded                                         |      |
| <b>Healthy Cup</b>                             | 2014 |
| The Task force for Global Health - \$97,770.00 |      |
| Funded                                         |      |
| PI                                             |      |