Zulma M. Cucunubá - *Curriculum Vitae*
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Current and Past Positions and Working Groups

- 2020-to Present. Assistant Professor. Department of Clinical Epidemiology, Universidad Javeriana, Bogota, Colombia.
- 2018-to Present MRC Rutherford Fund Fellow, Department of Infectious Disease Epidemiology, *Imperial College London, London, UK*
- 2017 to 2018. Research Associate, Vaccine Impact Modelling Consortium, *Imperial College London, London, UK*
- *2011-2014*. Director of Chagas Disease Research Network, *Instituto Nacional de Salud, Colombia*
- *2007-2011*. Scientific Researcher. Parasitology Research Lab. *Instituto Nacional de Salud, Colombia*

Education

- 2017. PhD Infectious Disease Epidemiology, Department of Infectious Disease Epidemiology, *Imperial College London, London, UK* (Supervisors Prof María-Gloria Basáñez, Dr Lesong Conteh, Dr Pierre Nouvellet)
- 2010. MSc Public Health (Hons), *Univ. Nacional de Colombia*
-2006. Medicine (Hons). *Univ. Pedagógica y Tecnológica de Colombia*

Current grants

- 2020 to 2021. CoI of Modelling to inform COVID-19 response in Colombia (Prosperity Fund; £220k)
- 2018 to 2020. PI of Chikungunya and Emerging Alphaviruses in Panama (MRC-GIDA; £35k)
- 2018 to 2020. PI on an MRC Rutherford Fund Fellowship (£270k)
- 2017-Present. PI Modelling Disease Burden of Chagas Disease in Latin America (NTD-Modelling Consortium, Pan-American Health Organization, £90k)
- 2011-2014. PI Chagas Disease Research Network. Consortium (£600k)

Public outreach (2020)

- Interviews for TV and radio in Latin America: CNN, El Espectador, La Silla Vacía, RCN, Ojo Público, Semana
- Podcast episodes: El hilo - shows.acast.com/elhilo/episodes/coronavirus-encrucijada
- Urgent Epidemiology. A course for Journalists (in Spanish) - fundaciongabo.org/es/epidemiologia-para-periodistas

Academic events

- 2019. Coordinated 2nd Training Workshop on Modelling and Outbreak Analysis, Bogotá, Colombia. 45 participants from 6 Latin American countries (June 2019). www.ins.gov.co/modelamiento/modelamiento.html
- 2017. Coordinated 1st Training Workshop on Modelling and Outbreak Analysis, Bogotá, Colombia. 45 participants from 2 Latin American countries (December 2018) https://epicoursebogota.netlify.app/
- 2018. Coordinated International Modelling Chagas Workshop (30 participants form 7 different countries) Imperial College London, February 2018.

Selected Publications (47 peer-reviewed publications, 4577 citations, h-index: 27 (scholar.google.com/citations?user=YxVl1nUAAAAJ&hl=en)

1) Biggerstaff M, Cowling BJ, **Cucunubá ZM**, Dinh L, Ferguson NM, et al., for the WHO COVID-19 Modelling Parameters Group. Early insights from statistical and mathematical modeling of key epidemiologic parameters of COVID-19. Emerg Infect Dis. 2020 https://doi.org/10.3201/eid2611.201074
2) Verity R, Okell LC, Dorigatti I, **Cucunubá ZM**, (…) Donnelly CA, Ghani AC, Ferguson NM. Estimates of the severity of coronavirus disease 209: a model-based analysis. Lancet Infect Dis. 2020 30:S473-3099(20)30243-7.
3) Walker PGT, Whittaker C, Watson OJ, **Cucunuba ZM,** (…), Ferguson NM, Ghani AC. The impact of COVID- 19 and strategies for mitigation and suppression in low- and middle-income countries. *Science*. 2020;369(6502):413-422
4) Laiton-Donato, Villabona-Arenas CJ (..), **Cucunuba ZM.** Genomic epidemiology of SARS-CoV-2 in Colombia. medRxiv 2020.06.26.20135715.
1) Ainslie KEC, Walters CE, Fu H, Bhatia (…) **Cucunubá ZM.** et al. Evidence of initial success for China exiting COVID-9 social distancing policy after achieving containment. Wellcome Open Res 2020, 5:8
2) Carrera JP, **Cucunuba ZM,** Neira K, et al. Endemic and epidemic human alphavirus infections in Eastern Panama, An Analysis of Population-Based Cross-Sectional Surveys. AmJTropMed: 2020.0.0.90462.
4) Li X, Mukandavire C, **Cucunubá ZM**, et al. Estimating the health impact of vaccination against 0 pathogens in 98 low- and middle-income countries from 2000 to 2030. *medRxiv* 209; : 9004358.
5) **Cucunubá ZM**, (..) Dobson A, Basañez MG. Insights from quantitative and mathematical modelling on the proposed WHO 2030 goals for Chagas disease. *Gates Open Research* 209, 3:539. doi.org/0.2688/gatesopenres.3069.
6) Castro MC, Baeza A, Codeço CT, **Cucunubá ZM** et al. Development, environmental degradation, and disease spread in the Brazilian Amazon*PLoS Biol*. 209;7():e3000526. doi: 0.37/journal.pbio.3000526.
7) Routledge I, Chevez JER, **Cucunubá ZM,** et al. Estimating spatiotemporally varying malaria reproduction numbers in a near elimination setting. *Nature Commun*. 208;9:2476.
8) **Cucunubá ZM,** Nouvellet P (…), Dobson AP, Basáñez MG. Complementary Paths to Chagas Disease Elimination: The Impact of Combining Vector Control with Etiological Treatment. *Clin Infect Dis.* 208;66:S293-S300.
9) **Cucunuba ZM,** Nouvellet P, Conteh L, et al., Modelling historical changes in the force-of-infection of Chagas disease to inform control and elimination programmes: application in Colombia. *BMJ Glob Health.207;2(3):e000345*
10) Ferguson NM, **Cucunubá ZM**, Dorigati I, et al. Countering the Zika epidemic in Latin America. *Science,* 207 DOI: 0.26/science.aag029