



Juan David Leongómez

ASSOCIATE PROFESSOR

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I am a researcher mainly interested in human behaviour, as well as quantitative methods and reproducible science.

About me

I am an Associate Professor and Researcher at **EvoCo: Human Behaviour and Evolution Lab**, and leader of the **CODEC: Cognitive and Behavioural Sciences** research group (classification **A1**), **Faculty of Psychology**, at **Universidad El Bosque** in Bogota, Colombia. My research interests include mate choice and human vocal communication, with an aspiration towards understanding musicality. I am also interested in bioacoustics and psychoacoustics, as well as hormonal effects on human behaviour. I published among the first articles showing within-individual changes in voice pitch in response to the social status of the listener, and have demonstrated strong effects of voice modulation on listeners in courtship contexts. I am very passionate about quantitative methods and R programming, as a tool to promote reproducibility and open science.



Skills

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| Programming | R (advanced: all data wrangling, analysis, plots and tables -and even this CV- made in R) |
| Reproducible Reports | Markdown/Rmarkdown (including L^AT_EX and HTML5) |
| Quantitative Research | General and Generalised Models, Linear Mixed-effects Models, Model selection and Averaging, Machine Learning |
| Software | RStudio, Visual Studio Code, Praat, Audacity, InkScape, Mendeley, Zotero |
| Languages | English/Spanish (native) |

Education

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| PhD - Psychology | Stirling, UK |
| UNIVERSITY OF STIRLING - SCHOOL OF NATURAL SCIENCES | 2014 |
| MSc in Evolutionary Psychology | Liverpool, UK |
| UNIVERSITY OF LIVERPOOL - SCHOOL OF BIOLOGICAL SCIENCES | 2009 |
| BA in Music Pedagogy | Bogota, Colombia |
| UNIVERSIDAD PEDAGÓGICA NACIONAL - FACULTAD DE BELLAS ARTES | 2006 |

Working and Teaching Experience

For a full list, and a description of responsibilities, please check [my website](#) or my [academic CV](#).

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|------------------------------|---------------------|
| Universidad El Bosque | Bogota, Colombia |
| ASSOCIATE PROFESSOR | Jan. 2015 - Present |

Accomplishments

For information on **grants**, **scholarships**, **awards** and **prizes**, please check [my website](#) or my [academic CV](#).

Selected Publications

For a full list, please check the publications section on [my website](#) or my [academic CV](#).

Leongómez, J. D., Havlíček, J., & Roberts, S. C. (2022). Musicality in Human Vocal Communication: An Evolutionary Perspective. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 377, 20200391. <https://doi.org/10.1098/rstb.2020.0391>

- Kleisner, K., **Leongómez, J. D.**, Pisanski, K., Fiala, V., Cornec, C., Groyecka, A., ... Akoko, R. M. (2021). Predicting strength from aggressive vocalisations versus speech in African bushland and urban communities. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 376, 20200403. <https://doi.org/10.1098/rstb.2020.0403>
- Leongómez, J. D.**, Pisanski, K., Reby, D., Sauter, D., Lavan, N., Perlman, M., & Varella Valentova, J. (2021). Voice modulation: From origin and mechanism to social impact. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 376, 20200386. <https://doi.org/10.1098/rstb.2020.0386>
- Leongómez, J. D.**, Sánchez, O. R., Vásquez-Amézquita, M., & Roberts, S. C. (2021). Contextualising courtship: Exploring male body odour effects on vocal modulation. *Behavioural Processes*, 193, 104531. <https://doi.org/10.1016/j.beproc.2021.104531>
- Leongómez, J. D.**, Sánchez, O. R., Vásquez-Amézquita, M., Valderrama, E., Castellanos-Chacón, A., Morales-Sánchez, L., ... González-Santoyo, I. (2020). Self-reported Health is Related to Body Height and Waist Circumference in Rural Indigenous and Urbanised Latin-American Populations. *Scientific Reports*, 10, 4391. <https://doi.org/10.1038/s41598-020-61289-4>
- Leongómez, J. D.**, Mileva, V. R., Little, A. C., & Roberts, S. C. (2017). Perceived differences in social status between speaker and listener affect the speaker's vocal characteristics. *PLOS One*, 12(6), e0179407. <https://doi.org/10.1371/journal.pone.0179407>
- Leongómez, J. D.**, Binter, J., Kubicová, L., Stolařová, P., Klapilová, K., Havlíček, J., & Roberts, S. C. (2014). Vocal modulation during courtship increases proceptivity even in naive listeners. *Evolution and Human Behavior*, 35(6), 489–496. <https://doi.org/10.1016/j.evolhumbehav.2014.06.008>

Note: I am the/a corresponding author in all these publications

Investigación Abierta (YouTube channel)



Investigación Abierta [Open Research] is a YouTube channel (in Spanish) where I post videos and tutorials related to quantitative research methods and open science, as well as useful open source software.

Postgraduate Supervision

For a full list, including undergraduate supervision, please check [my website](#) or my [academic CV](#).

Milena Vásquez-Amézquita

PHD IN NEUROSCIENCE

- Supervised together with Alicia Salvador.

University of Valencia, Spain

2015 - 2018

Francisco Javier Flores

PROFESSIONAL DOCTORATE IN COUNSELLING PSYCHOLOGY

- Supervised together with Lisa Chiara Fellin.

University of East London, UK

2015 - 2018

Julia Sanz-Vidania

PSYCHOLOGICAL RESEARCH METHODS (EVOLUTIONARY PSYCHOLOGY) MSc

- Supervised together with S. Craig Roberts.

University of Stirling, UK

2013 - 2014

Editorial Appointments

I recently served as a guest editor of a 2-part theme issue on [Philosophical Transactions B](#) (check [Part 1](#), [Part 2](#)). I have served as an *ad-hoc* reviewer for a variety of journals including [Proceedings of the Royal Society B: Biological Sciences](#), [Royal Society Open Science](#), [PLOS ONE](#), [Evolution and Human Behavior](#), [Scientific Reports](#), [Basic and Applied Social Psychology](#), [Cortex](#), [Perception](#), [Evolutionary Psychology](#), and [Frontiers in Psychology](#) where I am currently a [Review Editor](#) for the [Evolutionary Psychology speciality section](#). My full, verified review record is available from my [Web of Science](#) profile.