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 (cassification **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

Programming	R (advanced: all data wrangling, analysis, plots and tables -and even this CV- made in R)
Reproducible Reports	Markdown/Rmarkdown (including LaTeX 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

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 detailed CV.

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 detailed CV.

Selected Publications

For a full list, please check the publications section on my website or my detailed 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 detailed CV.

Milena Vásquez-Amézquita   *University of Valencia, Spain*
PhD in Neuroscience   *2015 - 2018*
• Supervised together with Alicia Salvador.

Francisco Javier Flores   *University of East London, UK*
Professional Doctorate in Counselling Psychology   *2015 - 2018*
• Supervised together with Lisa Chiara Fellin.

Julia Sanz-Vidania   *University of Stirling, UK*
Psychological Research Methods (Evolutionary Psychology) MSc   *2013 - 2014*
• Supervised together with S. Craig Roberts.

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 specialty section*. My full, verified review record is available from my Web of Science profile.