



# Juan David Leongómez

ASSOCIATE PROFESSOR

Faculty of Psychology, Universidad El Bosque

☎ (+57) 601-6489000 Ext. 1901 | ✉ [jleongomez@unbosque.edu.co](mailto:jleongomez@unbosque.edu.co) | 🌐 [jdleongomez.info](http://jdleongomez.info) | 📺 [JDLeongomez](https://www.youtube.com/JDLeongomez)

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

## About me

I am an Associate Professor and Researcher at the [Human Behaviour Lab \(LACH\)](#), Faculty of Psychology, at [Universidad El Bosque](#) in Bogotá, 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.

## Primary Research Methods

- Experimental designs
- Online questionnaires
- Voice recording
- Acoustic analysis
- Facial photographs
- Geometric morphometrics
- Anthropometry
- Reproducible Research

## Skills

<b>Programming</b>	R (advanced: all data wrangling, analysis, plots and tables -and even this CV- made in R)
<b>Reproducible Reports</b>	Markdown/Rmarkdown (including <b>L<sup>A</sup>T<sub>E</sub>X</b> and <b>HTML</b> )
<b>Quantitative Research</b>	General and Generalised Models, Linear Mixed-effects Models, Model selection and Averaging, Machine Learning
<b>Software</b>	R, RStudio, Praat, Audacity, InkScape, Mendeley, Zotero
<b>Languages</b>	English/Spanish (native)

## Research Areas

- Human voice
- Vocal modulation
- Mate choice
- Human behaviour
- Hormones and behaviour

## Education

### University of Stirling

PHD - PSYCHOLOGY

Stirling, UK

2014

- Dissertation Title: "Contextual musicality: vocal modulation and its perception in human social interaction"
- Supervisors: Prof. S. Craig Roberts, and Prof. Anthony C. Little
- Committee members: Prof. Phyllis C. Lee (dissertation chair), and Prof. Stuart Semple

### University of Liverpool

MSC IN EVOLUTIONARY PSYCHOLOGY

Liverpool, UK

2009

- Supervisor: Prof. S. Craig Roberts
- Best overall performance in the MSc

- GPA: 4.28/5.00
- Research project: 4.90/5.00

## Relevant further education

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**Johns Hopkins University**

Coursera (MOOC platform)

PRACTICAL MACHINE LEARNING

2021

- GPA: 97/100
- Certificate: <https://www.coursera.org/account/accomplishments/verify/DC7ULMJ3CZWM>

**University of Dundee**

Dundee, UK

STATISTICAL PROGRAMMING IN R AND LINEAR MIXED MODELS

2012

## Working Experience

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**Universidad El Bosque**

Bogota, Colombia

ASSOCIATE PROFESSOR

Apr. 2019 - Present

- Researcher at the Human Behaviour Analysis Lab (LACH)
- Leader of the Cognitive Processes and Education research group (Procesos Cognoscitivos y Educación) (since 2016)
- Supervision of a variety of undergraduate research projects associated with psychology and biology
- Member of the Research Committee
- Member of the Advisory Committee on Research Ethics

**Universidad El Bosque**

Bogota, Colombia

ASSISTANT PROFESSOR

Jan. 2015 - Apr. 2019

- Researcher at the Human Behaviour Analysis Lab (LACH)
- Methodological and statistical advisor for postgraduate and faculty research projects
- Leader of the Cognitive Processes and Education research group (Procesos Cognoscitivos y Educación) (since 2016)
- Organiser of the Nerd Café weekly conference series of the Faculty of Psychology (2016-2017)
- Supervision of a variety of undergraduate research projects associated with psychology and biology
- Postdoctoral stay (2018-2019)
- Co-supervision of Doctoral Students: Milena Vásquez-Amézquita (PhD in Neuroscience, University of Valencia, Spain – 2015-2018)
- Co-supervision of Doctoral Students: Francisco Javier Flores (Professional Doctorate in Counselling Psychology, University of East London, UK – 2016-2018)

**Universidad de La Sabana**

Chia, Colombia

CATHEDRATIC PROFESSOR

Jan. 2015 - Dec. 2016

- Teaching and supervision of research projects

**University of Stirling**

Stirling, UK

TEACHING ASSISTANT

2011 - 2014

- Supervision of an MSc research project (Evolutionary Psychology MSc)
- Marking and statistical advice to MSc students

**Universidad Pedagógica Nacional**

Bogota, Colombia

AUXILIAR PROFESSOR

2010

- Member of the Research Committee
- Supervision of research projects

## Teaching Experience

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**Universidad El Bosque**

Bogota, Colombia

ASSOCIATE PROFESSOR

2019

- Quantitative Methods II (Psychology MSc)

**Universidad El Bosque**

Bogota, Colombia

ASSISTANT PROFESSOR

2017-2018

- Quantitative Methods II (Psychology MSc)

**Universidad El Bosque**

Bogota, Colombia

ASSISTANT PROFESSOR

2017

- Quantitative Methods I (Psychology MSc)

## Universidad El Bosque

ASSISTANT PROFESSOR

- Research Degree Project

Bogota, Colombia

2018

## Universidad El Bosque

ASSISTANT PROFESSOR

- Sources and Documentation Styles in Psychology

Bogota, Colombia

2015

## Universidad de La Sabana

CATHEDRATIC PROFESSOR

- Evolution and Development of Vocal Communication: Songs, Fashion, and Language

Chia, Colombia

2016

## Universidad de La Sabana

CATHEDRATIC PROFESSOR

- Inferential Statistics
- Descriptive Statistics

Chia, Colombia

2015 - 2016

## University of Stirling

TEACHING ASSISTANT

- Animal Behaviour (lecture on vocal communication)

Stirling, UK

2012

## University of Stirling

TEACHING ASSISTANT

- Quantitative Methods (Psychology MSc – several lectures, practical supervision, one-on-one teaching)
- Cognition Module (leading research projects in psychoacoustics)

Stirling, UK

2012-2014

## Universidad Pedagógica Nacional

AUXILIAR PROFESSOR

- Research Project I
- Research Lab II

Bogota, Colombia

2010

## Scholarships, Awards and Honors

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### Ig Nobel Prize

ECONOMICS PRIZE

- For 'trying to quantify the relationship between different countries' national income inequality and the average amount of mouth-to-mouth kissing' (Watkins, et al., 2019)

Cambridge, MA, USA.

Sep. 2020

### Universidad El Bosque

VIII EXCELLENCE AWARDS

- COP\$7.000.000

Bogota, Colombia

Dic. 2019

### Universidad El Bosque

VII EXCELLENCE AWARDS

- COP\$5.000.000

Bogota, Colombia

Dic. 2018

### Universidad El Bosque

VI EXCELLENCE AWARDS

- COP\$5.000.000

Bogota, Colombia

Dic. 2017

### Experimental Psychology Society

GRINDLEY GRANTS

Canterbury, UK

Sep. 2014

### Colciencias

FRANCISCO JOSÉ DE CALDAS SCHOLARSHIP FOR DOCTORAL STUDIES

Bogota, Colombia

Oct. 2010 - Oct. 2014

### School of Life Sciences – University of Liverpool

ANNUAL PRIZE IN EVOLUTIONARY PSYCHOLOGY

- Best overall performance in the MSc

Liverpool, UK

Oct. 2009

### University of Liverpool

UNIVERSITY OF LIVERPOOL INTERNATIONAL SCHOLARSHIP

Liverpool, UK

Sep. 2008 - Sep. 2009

### Colfuturo

SCHOLARSHIP-LOAN PROGRAMME

Bogota, Colombia

Sep. 2008 - Sep. 2009

## Grants

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## Colciencias

Bogota, Colombia

POSTDOCTORAL RESEARCH STAYS - COLCIENCIAS BENEFICIARIES 2017

Jan. 2018 - Jan. 2019

- Project: Perceptible signals of physical and mental health in faces, voices and body odors, and their relationship with hormonal levels
- COP\$84.000.000

## Universidad El Bosque

Bogota, Colombia

IX INTERNAL CALL FOR FINANCING RESEARCH AND TECHNOLOGICAL INNOVATION PROJECTS EL BOSQUE UNIVERSITY, 2017

Jan. 2018 - Dec. 2021

- Project: Perceptible signals of physical and mental health in faces, voices and body odors, and their relationship with hormonal levels
- COP\$136.586.537

## Universidad El Bosque

Bogota, Colombia

VIII INTERNAL CALL FOR FINANCING RESEARCH AND TECHNOLOGICAL INNOVATION PROJECTS EL BOSQUE UNIVERSITY, 2016

Jan. 2017 - Dec. 2020

- Project: Effects of evolutionary relevant static signals (sex, dominance, and attractiveness) on the cortical processing of human faces
- COP\$80.000.000

## Universidad El Bosque

Bogota, Colombia

VII INTERNAL CALL FOR FINANCING RESEARCH AND TECHNOLOGICAL INNOVATION PROJECTS EL BOSQUE UNIVERSITY, 2015

Jan. 2016 - Dec. 2019

- Project: Efectos de los niveles hormonales, masculinidad y feminidad, en la discriminación tonal en hombres y mujeres
- COP\$13.000.000

## Publications

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### PREPRINTS AND ARTICLES UNDER REVIEW

- Martínez, C. A., & **Leongómez, J. D.** (submitted). Dehumanization Effects on Agency Attributions, Retributive Justice judgments, and Resocialization Attitudes towards Former Perpetrators in Post-conflict. *Political Behavior*. [https://jdleongomez.info/en/files/Dehumanization\\_effects.pdf](https://jdleongomez.info/en/files/Dehumanization_effects.pdf)
- Vásquez-Amézquita, M., **Leongómez, J. D.**, Salvador, A., & Seto, M. C. (submitted). What do the eyes tell us about sexual preferences according to the age and sex of the stimuli? Connecting attention and eye movements to pedophilia. *Forensic Sciences Research*. [https://jdleongomez.info/en/files/eye-tracking\\_review.pdf](https://jdleongomez.info/en/files/eye-tracking_review.pdf)

### PUBLISHED JOURNAL ARTICLES AND WORKS

- 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>
- Santamaría-García, H., Burgaleta, M., Legaz, A., Flichtentrei, D., Cordoba-Delgado, M., Molina, J., Linares, J., Montealegre, J., Castelblanco Toro, S., Schulte, M., Paramo, J., Mondragón, I., **Leongómez, J. D.**, Salamone, P., González-Pacheco, J., Baez, S., & Ibañez, A. (2022). The price of prosociality in pandemic times. *Humanities and Social Sciences Communications*, 9, 15. <https://doi.org/10.1057/s41599-021-01022-2>
- Vásquez-Amézquita, M., Salvador, A., & **Leongómez, J. D.** (2022). Is digit ratio (2D:4D) different between sexual and non-sexual offenders, and non-offending men? Study of a colombian sample [Existen diferencias en la ratio 2D:4D entre delincuentes sexuales y no sexuales, y hombres no delincuentes? Un estudio en una muestra colombiana]. *Interdisciplinaria. Revista de Psicología y Ciencias Afines*, 39(1), 127–141. <https://doi.org/10.16888/interd.2022.39.1.8>
- Watkins, C., Bovet, J., Fernandez, A. M., **Leongómez, J. D.**, Zelazniewicz, A., Correa Varella, M. A., & Wagstaff, D. (2022). Men say "I love you" before women do: Robust across several countries. *Journal of Social and Personal Relationships*, 39(7), 2134–2153. <https://doi.org/10.1177/02654075221075264>
- Fiala, V., Třebický, V., Pazhoohi, F., **Leongómez, J. D.**, Tureček, P., Saribay, S. A., Akoko, R. M., & Kleisner, K. (2021). Facial attractiveness and preference of sexual dimorphism: A comparison across five populations. *Evolutionary Human Sciences*, 3, e38. <https://doi.org/10.1017/ehs.2021.33>
- Jones, B. C., DeBruine, L. M., Flake, J. K., ..., **Leongómez, J. D.**, ..., & Chartier, C. R. (2021). To which world regions does the valence-dominance model of social perception apply? *Nature Human Behaviour*, 5, 159–169. <https://doi.org/10.1038/s41562-020-01007-2>
- Kleisner, K., **Leongómez, J. D.**, Pisanski, K., Fiala, V., Cornec, C., Groyecka, A., Butovskaya, M., Reby, D., Sorokowski, P., & Akoko, R. M. (2021). Predicting strength from aggressive vocalisations versus speech in african bush-

land and urban communities. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 376, 20200403. <https://doi.org/10.1098/rstb.2020.0403>

- Kleisner, K., Tureček, P., Roberts, S. C., Havlíček, J., Valentova, J. V., Akoko, R. M., **Leongómez, J. D.**, Apostol, S., Varella, M. A. C., & Saribay, S. A. (2021). How and why patterns of sexual dimorphism in human faces vary across the world. *Scientific Reports*, 11, 5978. <https://doi.org/10.1038/s41598-021-85402-3>
- 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., Nieto, J., & 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>
- Bonilla, F. M., & **Leongómez, J. D.** (2019). Efectos de la expresión emocional y de la orientación del rostro sobre las respuestas conductuales y el componente N170. *Psychologia*, 13(2), 95–106. <https://doi.org/10.21500/19002386.3473>
- Vásquez Amézquita, M., **Leongómez, J. D.**, Seto, M. C., & Salvador, A. (2019). Differences in Visual Attention Patterns to Sexually Mature and Immature Stimuli Between Heterosexual Sexual Offenders, Nonsexual Offenders, and Nonoffending Men. *Journal of Sex Research*, 56(2), 213–228. <https://doi.org/10.1080/00224499.2018.1511965>
- Vásquez-Amézquita, M., **Leongómez, J. D.**, Seto, M. C., Bonilla, F. M., Rodríguez-Padilla, A., & Salvador, A. (2019). Visual Attention Patterns Differ in Gynephilic and Androphilic Men and Women Depending on Age and Gender of Targets. *Journal of Sex Research*, 56(1), 85–101. <https://doi.org/10.1080/00224499.2017.1372353>
- Watkins, C. D., **Leongómez, J. D.**, Bovet, J., Żelaźniewicz, A., Korbmacher, M., Corrêa Varella, M. A., Fernandez, A. M., Wagstaff, D., & Bolgan, S. (2019). National income inequality predicts cultural variation in mouth to mouth kissing. *Scientific Reports*, 9, 6698. <https://doi.org/10.1038/s41598-019-43267-7>
- Culpepper, P. D., Havlíček, J., **Leongómez, J. D.**, & Roberts, S. C. (2018). Visually Activating Pathogen Disgust: A New Instrument for Studying the Behavioral Immune System. *Frontiers in Psychology*, 9, 1397. <https://doi.org/10.3389/fpsyg.2018.01397>
- Danel, D. P., Valentova, J. V., Sánchez, O. R., **Leongómez, J. D.**, Corrêa Varella, M. A., & Kleisner, K. (2018). A cross-cultural study of sex-typicality and averageness: Correlation between frontal and lateral measures of human faces. *American Journal of Human Biology*, 30(5), e23147. <https://doi.org/10.1002/ajhb.23147>
- Vásquez-Amézquita, M., **Leongómez, J. D.**, Seto, M. C., Bonilla, F. M., Rodríguez-Padilla, A., & Salvador, A. (2018). No relation between digit ratio (2D:4D) and visual attention patterns to sexually preferred and non-preferred stimuli. *Personality and Individual Differences*, 120, 151–158. <https://doi.org/10.1016/j.paid.2017.08.022>
- Bonilla, F. M., & **Leongómez, J. D.** (2017). Efectos en la amplitud y la latencia del componente N170 ante la presentación de rostros emocionales de ira y miedo. *Psychologia*, 11(1), 39–48. <https://doi.org/10.21500/19002386.3100>
- 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>
- Cobey, K. D., Nicholls, M., **Leongómez, J. D.**, & Roberts, S. C. (2015). Self-reported Dominance in Women: Associations with Hormonal Contraceptive use, Relationship Status, and Testosterone. *Adaptive Human Behavior and Physiology*, 1(4), 449–459. <https://doi.org/10.1007/s40750-015-0022-8>
- Leongómez, J. D.** (2015). La música como objeto de estudio científico: consideraciones en torno a la musicalidad y el origen de la música. *Pensamiento Palabra y Obra*, 13, 77–86. <https://doi.org/10.17227/2011804>

**Leongómez, J. D.** (2014). *Contextual musicality : vocal modulation and its perception in human social interaction* [PhD, University of Stirling]. <http://hdl.handle.net/1893/21102>

**Leongómez, J. D.**, Binter, J., Kubicová, L., Stolařová, P., Klapilová, K., Havlíček, J., & Roberts, S. C. (2014). Vocal modulation during courtship increases perceptivity even in naive listeners. *Evolution and Human Behavior*, 35(6), 489–496. <https://doi.org/10.1016/j.evolhumbehav.2014.06.008>

Binter, J., **Leongómez, J. D.**, Moyano, N., Valentova, J., Jouza, L., & Klapilová, K. (2012). Sex differences in the incidence of sexual fantasies focused on evolutionary relevant objects. *Anthropologie*, 50(1), 83–93. <http://puvodni.mzm.cz/1413>

Ferdenzi, C., Lemaître, J.-F., **Leongómez, J. D.**, & Roberts, S. C. (2011). Digit ratio (2D:4D) predicts facial, but not voice or body odour, attractiveness in men. *Proceedings of the Royal Society B: Biological Sciences*, 278(1724), 3551–3557. <https://doi.org/10.1098/rspb.2011.0544>

**Leongómez, J. D.** (2009). *Variation of pitch and loudness range of human voice in response to intra- and inter-sexual stimuli* [MSc]. University of Liverpool.

**Leongómez, J. D.** (2008). El origen no humano de la música. (*Pensamiento*), (*Palabra*) y *Obra*, 1(1), 87–97. <https://revistas.pedagogica.edu.co/index.php/revistafba/article/view/50>

## DIVULGATION ARTICLES

**Leongómez, J. D.** (2021). Meta-análisis de correlaciones en R [Meta-analysis of correlations in R]. *Zenodo*. <https://doi.org/10.5281/zenodo.5640182>

**Leongómez, J. D.** (2020). Análisis de poder estadístico y cálculo de tamaño de muestra en R: Guía práctica [Statistical power analysis and sample size calculation in R: A practical guide]. *Zenodo*. <https://doi.org/10.5281/zenodo.3988776>

Mileva, V. R., & **Leongómez, J. D.** (2017). We change our voice when we talk to high-status people, shows new study. *The Conversation*. <https://theconversation.com/we-change-our-voice-when-we-talk-to-high-status-people-shows-new-study-80053>

Mileva, V. R., & **Leongómez, J. D.** (2018). Want to know if your partner's cheating on you? Just listen to their voice. *The Conversation*. <https://theconversation.com/want-to-know-if-your-partners-cheating-on-you-just-listen-to-their-voice-92387>

## 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.

**Leongómez, J. D.** [Investigación Abierta]. (2021). *Hacer meta-análisis en jamovi es muy fácil* [Meta-analysis in jamovi is very easy]. [Video]. YouTube. <https://jdleongomez.info/en/post/meta/>

**Leongómez, J. D.** [Investigación Abierta]. (2020). *Poder estadístico y tamaño de muestra en R* [Statistical power and sample size calculation in R]. [3 videos]. YouTube. <https://jdleongomez.info/en/post/power/>

**Leongómez, J. D.** [Investigación Abierta]. (2020). *¿Qué es un valor p? Te lo puedo mostrar gráficamente y con simulaciones* [What is a p-value? I can show you graphically]. [Video]. YouTube. <https://jdleongomez.info/en/post/pvalue/>

**Leongómez, J. D.** [Investigación Abierta]. (2020). *Introducción a OBS Studio* [Introduction to OBS Studio]. [Video]. YouTube. <https://jdleongomez.info/en/post/obs/>

**Leongómez, J. D.** [Investigación Abierta]. (2020). *Introducción a jamovi* [Introduction to jamovi]. [2 videos]. YouTube. <https://jdleongomez.info/en/post/jamovi/>

## Conference Presentations, Posters and Workshops

**Leongómez, J. D.** (2022, April). *How reliable is the scientific literature? Open science as a strategy to address the implications of the naturalisation of bad practices and the replication crisis*. Presentation organised by the



- Leongómez, J. D.** (2020, November). *How many participants do I need? Statistical power analysis and sample size calculation in R*. Workshop presented at the Online International Congress of Neurosciences: Brain and Behaviour in times of COVID-19 (Universidad El Bosque, Universidad de los Andes), Bogotá, Colombia. <https://youtu.be/tVB9sh5ZFH0>
- Leongómez, J. D.** & Sánchez, O. R. (2019, September). *Association between height and waist circumference with health in rural indigenous and urban populations in Latin America*. Paper presented at the XXV Institutional Research Congress (Universidad El Bosque), Bogotá, Colombia.
- Leongómez, J. D.**, Sánchez, O.R., Vásquez-Amézquita, M., Valderrama, E., Castellanos-Chacón, A., Morales-Sánchez, L., Nieto, J., & González-Santoyo, I. (2019, August). *Self-reported Health is Related to Body Height and Waist Circumference in Rural Indigenous and Urbanised Latin-American Populations*. Paper and poster presented at the VII Summer Institute of the International Society for Human Ethology (ISHE), Zadar, Croatia. Poster: <https://jdleongomez.info/en/publication/leongomez2020/PosterA0.pdf>
- Leongómez, J. D.** (2019, June). *Experimental Designs*. Workshop at the Vicerectory of Research (Universidad El Bosque), Bogotá, Colombia.
- Leongómez, J. D.**, Murray, A.K., & Roberts, S.C. (2018, September). *Contextualising courtship: Male body odour effects on vocal modulation*. Paper presented at the XXIV Biannual Conference for Human Ethology (ISHE), Santiago, Chile.
- Leongómez, J. D.** (2017, September). *Effects of hormonal levels, masculinity and femininity, on men's and women's pitch discrimination*. Paper presented at the XXIII Institutional Research Congress (Universidad El Bosque), Bogotá, Colombia.
- Leongómez, J. D.** (2017, August). *The sound of seduction: Vocal modulations and their effects during courtship*. Plenary session at the 2nd Symposium of Neurosciences, Cognition and Society (Universidad Javeriana), Bogotá, Colombia.
- Leongómez, J. D.** (2017, March). *Is the relationship between musical and linguistic processing a vestige of the evolutionary origins of music?*. Plenary session at the 2017 Brain Awareness Week 2017 (Universidad El Bosque), Bogotá, Colombia.
- Leongómez, J. D.**, Mileva, V.R., Little, A.C., & Roberts, S.C. (2016, August). *Perceived differences in social status between speaker and listener affect the speaker's vocal characteristics*. Paper presented at the XXIII Biennial Congress On Human Ethology (ISHE), Stirling, UK.
- Leongómez, J. D.**, Binter, J., Kubicová, L., Stolařová, P., Klapilová, K., Havlíček, J., & Roberts, S.C. (2014, April). *Vocal modulation during courtship increases proceptivity even in naive listeners*. Paper presented at the European Human Behaviour and Evolution Association (EHBEA) Annual Meeting 2014 (University of Bristol), Bristol, UK.
- Leongómez, J. D.**, & Roberts, S.C. (2013, April). *The sound of sweet nothings: How men and women modulate vocal parameters in speech directed towards attractive and unattractive individuals*. Oral presentation for the Mind and Brain Group (University of Stirling), Stirling, UK.
- Leongómez, J. D.**, & Roberts, S.C. (2013, March). *The sound of sweet nothings: How men and women modulate vocal parameters in speech directed towards attractive and unattractive individuals*. Poster presented at the European Human Behaviour and Evolution Association (EHBEA) Annual Meeting 2013 (VU University Amsterdam), Amsterdam, Netherlands.
- Leongómez, J. D.** (2013, March). *Voice research techniques using Praat*. Workshop at the Faculty of Humanities (Charles University), Prague, Czech Republic.
- Leongómez, J. D.** (2013, March). *Acoustic Communication*. Oral presentation at the Centre for Theoretical Study, Prague, Czech Republic.
- Leongómez, J. D.**, & Roberts, S.C. (2012, May). *The sound of sweet nothings: How men and women modulate vocal parameters in speech directed towards attractive and unattractive individuals*. Oral presentation for the Group of Human Ethology (Charles University), Prague, Czech Republic.

**Leongómez, J. D.** (2013, March). *Voice research techniques using Praat*. Workshop at the Scottish Universities Psychology Postgraduate Research Training – SUPPORT (University of Stirling), Stirling, UK.

**Leongómez, J. D., & Roberts, S.C.** (2011, February). *The sound of sweet nothings: How men and women modulate vocal parameters in speech directed towards attractive and unattractive individuals*. Oral presentation for the Behaviour and Evolution Research Group (University of Stirling), Stirling, UK.

**Leongómez, J. D., & Roberts, S.C.** (2010, December). *Context-dependant modulation of vocal parameters*. Poster presented at The Language of Music, the Music of Language; Meeting 2: Entrainment/Meaning (Centre for Music & Science, University of Cambridge), Cambridge, UK.

## Postgraduate and undergraduate Supervision

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### Postgraduate

PHD IN NEUROSCIENCE

- Milena Vásquez-Amézquita. Supervised together with Alicia Salvador

*University of Valencia, Spain*

2015 - 2018

### Postgraduate

PROFESSIONAL DOCTORATE IN COUNSELLING PSYCHOLOGY

- Francisco Javier Flores. Supervised together with Lisa Chiara Fellin

*University of East London, UK*

2015 - 2018

### Postgraduate

PSYCHOLOGICAL RESEARCH METHODS (EVOLUTIONARY PSYCHOLOGY) MSc

- Julia Sanz-Vidania. Supervised together with S Craig Roberts

*University of Stirling, UK*

2013 - 2014

### Postgraduate

MSC IN PSYCHOLOGY

- Adrián Acosta Guerrero. Supervised together with Milena Vásquez-Amézquita

*Universidad El Bosque, Colombia*

2019 - 2020

### Undergraduate

PSYCHOLOGY

- Andrés Castellanos-Chacón (2017 - 2018; teaching supervision 2019 - Present)
- Maria Paula Moreno Rodríguez (2019 - 2021)
- Andrés Felipe Orozco Serrato (2020 - 2021)
- Danny Ferley Gaitan Rodríguez (2019 - 2020)
- Hasbleidy Gamboa Ordoñez (2019 - 2020)
- Paula Andrea Betancourt Velandia (2018 - 2019)
- Ana Sofía Gómez Castelblanco (2018 - 2019)
- Lina María García Hoyos (2016 - 2017)
- Angie Liliana Pérez Rodríguez (2016 - 2018)
- Lina María Morales Sánchez (2016 - 2017)
- Laura Milena Estupiñan Aldana (2016 - 2017)
- Vanesa Díaz Güiza (2016 - 2018)
- Cindy Paola Moncada Gómez (2016 - 2017)
- Haydn Ricardo Roldán Morales (2015 - 2016)

*Universidad El Bosque, Colombia*

Since 2015

### Undergraduate

BIOLOGY

- Maria Alejandra Abello Mozo (2017 - 2018)

*Universidad El Bosque, Colombia*

2017 - 2018

### Undergraduate

MUSIC PEDAGOGY

- Natalia Elizabeth Moreno Buitrago (2017 - 2019)
- Juan Felipe Pérez Ariza (2017 - 2019)

*Universidad Pedagógica Nacional,  
Colombia*

2017 - 2019

## Editorial Appointments

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My verified review record is available from my [Web of Science](#) profile.

### Philosophical Transactions of the Royal Society B

GUEST EDITOR

- Theme Issue "Voice modulation: from origin and mechanism to social impact"
- Edited by Juan David Leongomez, Katarzyna Pisanski, David Reby, Disa Sauter, Nadine Lavan, Marcus Perlman, & Jaroslava Varella Valentova

*Editorial Boards*

2020 - 2021



## Frontiers in Psychology

### REVIEW EDITOR

- Specialty section on Evolutionary Psychology

### Ad Hoc Reviewer

#### JOURNALS INCLUDE

- Proceedings of the Royal Society B: Biological Sciences
- Basic and Applied Social Psychology
- Royal Society Open Science
- Evolution and Human Behavior
- Scientific Reports
- Cortex
- Journal of Nonverbal Behavior
- Perception
- Frontiers in Psychology
- Evolutionary Psychology
- Human Ethology Bulletin
- Summa Psicológica

### Academic Reviewer

#### PUBLICATION EVALUATION

- MinCiencias
- Universidad Nacional de Colombia

*Editorial Boards*

*2019 - Present*

*Journals*

*Since 2013*

*Colombian Institutions*

*Since 2015*

## Scientific Events

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### CIVN2020 - Online International Congress of Neurosciences: Brain and Behaviour in times of COVID-19

#### PRESIDENT OF THE SCIENTIFIC COMMITTEE

- <http://doi.org/10.17605/OSF.IO/5BWNX>

### 1st International Virtual Congress ISEP

#### MEMBER OF THE SCIENTIFIC COMMITTEE

- <https://www.isep.es/congreso2020/#comite>

*Universidad El Bosque &*

*Universidad de los Andes*

*November 25 - 28, 2020*

*ISEP*

*May 5 - 7, 2020*

## Memberships

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### CURRENT

- [International Society for Human Ethology \(ISHE\)](#)

### PAST

- [European Human Behaviour and Evolution Association \(EHBEA\)](#)
- [Association for Psychological Science \(APS\)](#)