



Milena Vásquez-Amézquita

ASSOCIATE PROFESSOR

Faculty of Psychology, Universidad El Bosque

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📧 [Milena-Vasquez-Amezquita](#) | 🏠 grupo-codec.netlify.app/author/milena-vasquez-amezquita/

I am a researcher primarily interested in the neurocognitive bases of human affect and sexuality.

About me

Psychologist, Master in Basic and Applied Neurosciences and PhD in Neurosciences. Active associate researcher within the group **CODEC: Cognitive and Behavioural Sciences** (classification **A1** in MinCiencias). Associate Professor at the **Laboratory of Experimental Psychology** of the **Faculty of Psychology** at **Universidad El Bosque**. Postdoctoral stay at **Universidad de la Costa** with funding from **MinCiencias**. I have been director and co-director of successful research projects from an experimental methodology in cognitive-affective neuroscience with internal and external funding, and I currently directing the research hotbed **SexCog: sexuality and affectivity from a neurocognitive perspective**. I have 13 years of professional and university teaching experience, applied to the development and implementation of undergraduate and postgraduate higher education programmes related to the neurobiological and cognitive bases of human behaviour, and I have supervised undergraduate, masters and doctoral degree projects.



Skills

Programming	R (advanced: all data wrangling, analysis, plots and tables —and even this CV— made in R)
Reproducible Reports	Markdown/R Markdown (including L^AT_EX and HTML). Version control: Git and GitHub
Quantitative Research	General and generalised models, linear mixed-effects models, multi-model inference, machine learning
Software	RStudio , Visual Studio Code , Praat , Audacity , InkScape , Zotero
Languages	English/Spanish (native)

Research

Research Areas	Human voice • Vocal modulation • Mate choice • Human behaviour
Primary Research Methods	Experimental designs • Acoustic analysis • Geometric morphometrics • Stimuli rating

Education

University of Stirling

PHD - PSYCHOLOGY

- Research project: **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**

Stirling, UK

2014

University of Liverpool

MSC IN EVOLUTIONARY PSYCHOLOGY

- Research project: **Variation of pitch and loudness range of human voice in response to intra- and inter-sexual stimuli**
- Supervisor: **Prof. S. Craig Roberts**
- Best overall performance in the MSc

Liverpool, UK

2009

Universidad Pedagógica Nacional

BA IN MUSIC PEDAGOGY

- GPA: 4.28/5.00
- Research project: 4.90/5.00 | **El origen no humano de la música**

Bogota, Colombia

2006

Relevant further education

Academic Experience

Universidad El Bosque

Bogota, Colombia

ASSOCIATE PROFESSOR

2019

- Quantitative Methods II (Psychology MSc) (2019)

Universidad El Bosque

Bogota, Colombia

ASSISTANT PROFESSOR

2015 - 2018

- Quantitative Methods II (Psychology MSc) (2017-2018)
- Research Degree Project (2018)
- Quantitative Methods I (Psychology MSc) (2017)
- Sources and Documentation Styles in Psychology (2015)

Universidad de La Sabana

Chia, Colombia

CATHEDRATIC PROFESSOR

2015 - 2016

- Evolution and Development of Vocal Communication: Songs, Fashion, and Language (2016)
- Inferential Statistics (2015 - 2016)
- Descriptive Statistics (2015 - 2016)

University of Stirling

Stirling, UK

RECOGNISED TEACHER IN PSYCHOLOGY

2012 - 2014

- Animal Behaviour (lecture on vocal communication) (2012)
- Quantitative Methods (Psychology MSc – several lectures, practical supervision, one-on-one teaching) (2012-2014)
- Cognition Module (leading research projects in psychoacoustics) (2012-2014)

Universidad Pedagógica Nacional

Bogota, Colombia

AUXILIAR PROFESSOR

2010

- Research Project I (2010)
- Research Lab II (2010)

Professional Experience

Universidad El Bosque

Bogota, Colombia

ASSOCIATE PROFESSOR

Apr. 2019 - Present

- Researcher at [EvoCo: Human Behaviour and Evolution Lab](#)
- Leader of the [CODEC: Cognitive and Behavioural Sciences](#) research group (since 2016)
- [Methodological and statistical advisor](#) for postgraduate and faculty research projects
- 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 [EvoCo: Human Behaviour and Evolution Lab](#)
- Leader of the [CODEC: Cognitive and Behavioural Sciences](#) research group (since 2016)
- [Methodological and statistical advisor](#) for postgraduate and faculty research projects
- 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

RECOGNISED TEACHER IN PSYCHOLOGY

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

Stirling, UK

2011 - 2014

Universidad Pedagógica Nacional

AUXILIAR PROFESSOR

- Member of the Research Committee
- Supervision of research projects

Bogota, Colombia

2010

Grants

Minciencias

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: Effects of hormone levels, masculinity and femininity, on pitch discrimination in men and women
- COP\$13.000.000

Scholarships, Awards and Honors

Universidad El Bosque

Bogota, Colombia

IX EXCELLENCE AWARDS

Dic. 2022

- COP\$10.000.000

Ig Nobel Prize

Cambridge, MA, USA.

ECONOMICS PRIZE

Sep. 2020

- 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)

Universidad El Bosque

Bogota, Colombia

VIII EXCELLENCE AWARDS

Dic. 2019

- COP\$7.000.000

Universidad El Bosque

Bogota, Colombia

VII EXCELLENCE AWARDS

Dic. 2018

- COP\$5.000.000

Universidad El Bosque

Bogota, Colombia

VI EXCELLENCE AWARDS

Dic. 2017

- COP\$5.000.000

Experimental Psychology Society

Canterbury, UK

GRINDLEY GRANTS

Sep. 2014

Minciencias

Bogota, Colombia

FRANCISCO JOSÉ DE CALDAS SCHOLARSHIP FOR DOCTORAL STUDIES

Oct. 2010 - Oct. 2014

School of Life Sciences – University of Liverpool

Liverpool, UK

ANNUAL PRIZE IN EVOLUTIONARY PSYCHOLOGY

Oct. 2009

- Best overall performance in the MSc

Publications

7 <i>h</i> -index	19 <i>g</i> -index	7 <i>i</i> 10-index	20 Publications
Total 385	Citations Mean 19.25	Median 4.5	

JOURNAL ARTICLES

- Hadavi, S., Kuroda, J., Shimozone, T., Leongómez, J.D., & Savage, P. E. (In Principle Accepted). Cross-cultural relationships between music, emotion, and visual imagery: A comparative study of Iran, Canada, and Japan [Stage 1 Registered Report]. *Peer Community In Registered Reports*. Preprint: <https://doi.org/10.31234/osf.io/26yg5>
- Martínez, C. A., & Leongómez, J.D. (2024). Dehumanizing framing effects on agency, punishment, and re-socialization attributions towards ex-perpetrators in post-conflict. *Peace and Conflict: Journal of Peace Psychology*. Advance online publication. <https://doi.org/10.1037/pac0000710>
- Kleisner, K., Tureček, P., Saribay, S. A., Pavlovič, O., Leongómez, J.D., Roberts, S. C., Havlíček, J., Valentova, J. V., Apostol, S., Akoko, R. M., & Varella, M. A. C. (2024). Distinctiveness and femininity, rather than symmetry and masculinity, affect facial attractiveness across the world. *Evolution and Human Behavior*, 45(1), 82–90. <https://doi.org/10.1016/j.evolhumbehav.2023.10.001>
- Vásquez-Amézquita, M., Leongómez, J.D., Salvador, A., & Seto, M. C. (2023). What can the eyes tell us about atypical sexual preferences as a function of sex and age? Linking eye movements with child-related chronophilias. *Forensic Sciences Research*, 8, 5-15. <https://doi.org/10.1093/fsr/owad009>
- Terry, J., Ross, R. M., Nagy, T., ..., Leongómez, J.D., ..., & Field, A. P. (2023). Data from an international multi-centre study of statistics and mathematics anxieties and related variables in university students (the SMARVUS dataset). *Journal of Open Psychology Data*, 11(1), 8. <https://doi.org/10.5334/jopd.80>
- 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., ... 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., ... 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>
- 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., ... 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., ... 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/10.17227/2011804X.15PP077.86>
- 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/Anthropologie/article.php?ID=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, 87–97. <https://revistas.pedagogica.edu.co/index.php/revistafba/article/view/50>

ARTICLES UNDER REVIEW

- Vásquez-Amézquita, M.**, Leongómez, J.D., Martínez-González, M. B., & Chivers, M. L. (2023). *Trait Sexual Desire-Linked Subjective Sexual Arousal to Erotic and Non-Erotic Stimuli: Gender, Relationship Status, and Gender-Specificity*. [Manuscript submitted for publication].

Conference Presentations, Posters and Workshops

- Leongómez, J.D. (2023, August). *Powering your conclusions: Exploring the vital importance of statistical power and sample size for reliable inference*. Invited talk presented at XXIX Institutional Research Congress (Universidad El Bosque), Bogotá, Colombia. https://investigaciones.unbosque.edu.co/s/D-00730__ViceInvestigaciones__agenda-Congreso-Institucional-links-1.pdf

- Leongómez, J.D. (2023, July). *From data to knowledge: Conducting meta-analyses of correlations and t-tests*. Invited workshop presented at Summer Institute of the International Society for Human Ethology (ISHE), Universidade Federal de Pernambuco, Recife, Brazil. https://ishe.org/wp-content/uploads/2023/07/BoA_v06_km.pdf (see [certificate](#))
- Leongómez, J.D. (2023, July). *Ensuring reliable results: Power analysis and sample size estimation in behavioural research*. Invited workshop presented at Summer Institute of the International Society for Human Ethology (ISHE), Universidade Federal de Pernambuco, Recife, Brazil. https://ishe.org/wp-content/uploads/2023/07/BoA_v06_km.pdf (see [certificate](#))
- Leongómez, J.D., Havlíček, J., & Roberts, S.C. (2022, October). *Musicality in human vocal communication*. Paper presented as part of The Evolution of Human Musicality symposium at the 4th Brazilian Meeting on Evolution of Human Behavior (University of São Paulo), São Paulo, Brazil. https://youtu.be/gK_r10r4nfs?t=9662
- Leongómez, J.D. (2022, October). *jamovi face-to-face session*. Workshop for the Research Training Plan of the Vicerectory of Research (Universidad El Bosque), Bogotá, Colombia.
- Leongómez, J.D. (2022, September). *Introduction to jamovi: Modern, free, open source alternative for statistical analysis*. Presentation for the Research Training Plan of the Vicerectory of Research (Universidad El Bosque), Bogotá, Colombia. <https://investigaciones.unbosque.edu.co/eventos/cuestioneseticas-jjnlm-92bkj-n249w-hbnhl-6tpj4-pm22x-8m3yh-645tt-gw59h-xwc6x-d9sgw-6fzel-hm6dd-2wrls-569m2-8zns8-rg363>
- Leongómez, J.D. (2022, August). *Beyond Open Access: The need for comprehensive Open Science to address the implications of the naturalisation of malpractice and the replication crisis*. Presentation for the Research Training Plan of the Vicerectory of Research (Universidad El Bosque), Bogotá, Colombia. <https://investigaciones.unbosque.edu.co/eventos/cuestioneseticas-jjnlm-92bkj-n249w-hbnhl-6tpj4-pm22x-8m3yh-645tt-gw59h-xwc6x-d9sgw-6fzel-hm6dd-2wrls-569m2-8zns8>
- 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 Research Unit of the Faculty of Psychology (Universidad El Bosque), Bogotá, Colombia. <https://youtu.be/F198MoBqSaI>
- 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. <https://static1.squarespace.com/static/5fb667be752a000eaf4b5869/t/60454941f7f209159575a773/1615153475374/Memorias+-XXV+Congreso+2019.pdf>
- 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.

Organisation of Scientific Events

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

PRESIDENT OF THE SCIENTIFIC COMMITTEE

- [Book of Abstracts](#)
- [YouTube channel](#) (The entire congress is available)

[Universidad El Bosque &](#)

[Universidad de los Andes](#)

November 25 - 28, 2020

ISHE International Congress 2024

MEMBER OF THE PROGRAMME COMMITTEE

- [ISHE Meetings](#)

[ISHE](#)

July 12 - 16, 2024

1st International Virtual Congress ISEP

MEMBER OF THE SCIENTIFIC COMMITTEE

- [Scientific Committee](#)

[ISEP](#)

May 5 - 7, 2020

Research Supervision

POSTGRADUATE

The Faculty of Psychology at Universidad El Bosque does not offer research degrees, and all M-level courses are professional masters. Because of this, opportunities to supervise postgraduate students are limited, and most of my postgraduate supervision has been external.

Milena Vásquez-Amézquita

[Universitat de València, Spain](#)

PHD IN NEUROSCIENCE

2015 - 2018

- Thesis (**Summa Cum Laude**): *Preferencias sexuales típicas y atípicas según sexo y edad de los estímulos: Utilidad de la técnica de rastreo ocular* [Typical and atypical sexual preferences according to sex and age of the stimuli: Usefulness of the eye tracking technique]
- Supervised together with Alicia Salvador

Francisco Javier Flores

[U. of East London, UK](#)

PROFESSIONAL DOCTORATE IN COUNSELLING PSYCHOLOGY

2015 - 2018

- Tesis: *What sense do people make of the functions of their 'behaviours that may be causing problems in their everyday life'? A hybrid deductive/inductive template analysis*
- Supervised together with Lisa Chiara Fellin

Adrián Acosta Guerrero

[Universidad El Bosque, Colombia](#)

MSc IN PSYCHOLOGY

2019 - 2020

- Research project (**Distinction**): *La voz como predictor de sintomatología asociada a depresión y ansiedad* [Voice as a predictor of symptomatology associated with depression and anxiety]
- Supervised together with [Milena Vásquez-Amézquita](#)

Julia Sanz-Vidania

[University of Stirling, UK](#)

PSYCHOLOGICAL RESEARCH METHODS (EVOLUTIONARY PSYCHOLOGY) MSc

2013 - 2014

- Research project (**Distinction**): *Sexy Chat: Mate-Choice Preferences for Speech Content in the Absence of Auditory Cues*
- Supervised together with [S Craig Roberts](#)

UNDERGRADUATE

The supervised undergraduate students listed below come from different universities and academic programmes. This list only includes students for whom I was the main supervisor or who were awarded honours degrees. Additionally, I am currently supervising six students as a principal supervisor, and have supervised over 25 students as

a co-supervisor.

Andrés Castellanos-Chacón

Universidad El Bosque, Colombia

BSc IN PSYCHOLOGY

Since 2017

- Professional practice in research supervision (2017 - 2018)
- Project: *Señales perceptibles de salud física y mental en rostros, voces y olores corporales, y su relación con niveles hormonales* [Perceptible signs of physical and mental health in faces, voices, and body odours, and their relationship to hormone levels]
- Research project with **distinction**
- Teaching supervision (2019 - Present)

Scharik Yuliana Bello Lizarazo, Maria Camila Plazas López & Natalia Rodríguez Bautista

Universidad El Bosque, Colombia

BSc IN PSYCHOLOGY

2023 - 2024

- Research project: *¿Es posible percibir la promiscuidad de una persona con tan solo escuchar su voz?* [Is it possible to perceive a person's promiscuity just by listening to his or her voice?]

Isabella Russo

Universidad El Bosque, Colombia

BSc IN PSYCHOLOGY

2023

- Research project: *¿El género, preferencia sexual y nivel de sociosexualidad de una persona podrían influir en su capacidad para detectar la sociosexualidad de otros a través de rostros?* [Could a person's gender, sexual preference and level of sociosexuality influence their ability to detect the sociosexuality of others from their faces?]

Maria Camila Wilches & Johan Sebastián Castiblanco

Universidad El Bosque, Colombia

BSc IN PSYCHOLOGY

2022 - 2023

- Research project: *El rol del género en la identificación de la sociosexualidad a partir de las voces* [The role of gender in the identification of sociosexuality from voices]

Angie Alejandra Lozano Sanjuan, Daniela Martínez Franco & Mariana Saavedra Botero

Universidad El Bosque, Colombia

BSc IN PSYCHOLOGY

2021 - 2022

- Research project (**Distinction**): *¿Somos capaces de detectar qué tan sociosexual es una persona a partir de su voz y/o su rostro?* [Are we able to detect the sociosexual orientation of a person from their voice and/or face?]

John Jairo Rubio

Universidad El Bosque, Colombia

BSc IN PSYCHOLOGY

2021 - 2022

- Research project: *¿Existe relación entre la simetría facial y el atractivo de la voz?* [Association between facial symmetry and vocal attractiveness]

Maria Daniela Martínez Luna & Juan Sebastián Preciado Ruíz

Universidad El Bosque, Colombia

BSc IN PSYCHOLOGY

2020 - 2021

- Research project (**Distinction**): *¿Existe relación entre la sociosexualidad y la voz?* [Is there a relationship between sociosexuality and voice?]

Maria Paula Moreno Rodríguez & Andrés Felipe Orozco Serrato

Universidad El Bosque, Colombia

BSc IN PSYCHOLOGY

2019 - 2021

- Research project: *¿Existe relación entre la forma del rostro y la socio-sexualidad?* [Is there an association between face shape and socio-sexuality?]

Danny Ferley Gaitan Rodríguez & Hasbleidy Gamboa Ordoñez

Universidad El Bosque, Colombia

BSc IN PSYCHOLOGY

2019 - 2020

- Research project: *Detección de infidelidad y sociosexualidad a partir de rostros: Análisis preliminar* [Perception of socio-sexuality from facial cues]

Natalia Elizabeth Moreno Buitrago & Juan Felipe Pérez Ariza

U. Pedagógica Nacional, Colombia

BA IN MUSIC PEDAGOGY

2017 - 2019

- Research project (**Distinction**): *Musicalidad y cohesión social: una aproximación experimental y bibliográfica desde el trabajo en equipo* [Musicality and social cohesion: An experimental and bibliographic approach from teamwork]

Paula Andrea Betancourt Velandia & Ana Sofía Gómez Castelblanco

Universidad El Bosque, Colombia

BSc IN PSYCHOLOGY

2018 - 2019

- Research project: *Hombres que alcanzan voces menos agudas y con un volumen más bajo, tienden a tener más relaciones sexuales casuales* [Men who achieve lower-pitched voices and with a lower intensity tend to have more casual sex]

Maria Alejandra Abello Mozo

Universidad El Bosque, Colombia

BSc IN BIOLOGY

2017 - 2018

- Research project (**Distinction**): *Desarrollo y evaluación de una metodología nueva para manipular las variables del atractivo, dominancia y sexo simultáneamente en fotos de caras humanas con el programa PsychoMorph* [Development and evaluation of a new methodology to simultaneously manipulate attractiveness, dominance and sex in photos of human faces with PsychoMorph]

Cindy Paola Moncada Gómez

Universidad El Bosque, Colombia

BSc IN PSYCHOLOGY

2017 - 2018

- Research project: *La voz del sexo casual: ¿las características vocales predicen la disposición al sexo sin compromiso en hombres y mujeres?* A [The voice of casual sex: do vocal characteristics predict willingness to engage in uncommitted sex in men and women? A]

Laura Milena Estupiñan Aldana[Universidad El Bosque, Colombia](#)

BSc IN PSYCHOLOGY

2017 - 2018

- Research project: *La voz del sexo casual: ¿las características vocales predicen la disposición al sexo sin compromiso en hombres y mujeres?* B [The voice of casual sex: do vocal characteristics predict willingness to engage in uncommitted sex in men and women? B]

Vanesa Díaz Güiza[Universidad El Bosque, Colombia](#)

BSc IN PSYCHOLOGY

2016 - 2018

- Research project: *La voz del sexo casual: ¿las características vocales predicen la disposición al sexo sin compromiso en hombres y mujeres?* C [The voice of casual sex: do vocal characteristics predict willingness to engage in uncommitted sex in men and women? C]

Lina María García Hoyos[Universidad El Bosque, Colombia](#)

BSc IN PSYCHOLOGY

2016 - 2018

- Research project: *¿Se puede determinar si una persona ha sido infiel a partir de su voz?* [Can you determine if a person has been unfaithful from their voice?]

Angie Liliana Pérez Rodríguez[Universidad El Bosque, Colombia](#)

BSc IN PSYCHOLOGY

2016 - 2017

- Research project: *Efectos de los niveles hormonales en la discriminación tonal de mujeres* [Effects of hormone levels on pitch discrimination in women]

Lina María Morales Sánchez[Universidad El Bosque, Colombia](#)

BSc IN PSYCHOLOGY

2016 - 2017

- Research project: *Discriminación tonal predice satisfacción con pareja y su inversión parental, en hombres y mujeres* [Pitch discrimination predicts partner satisfaction and parental investment, in men and women]

Haydn Ricardo Roldán Morales[Universidad El Bosque, Colombia](#)

BSc IN PSYCHOLOGY

2015 - 2016

- Research project: *El sonido de la seducción: discriminación tonal, satisfacción en pareja, y niveles hormonales en hombres* [The Sound of Seduction: Tonal Discrimination, Partner Satisfaction, and Hormone Levels in Men]