

# Pauline Larrouy-Maestri

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Nationality French / Belgian  
Languages French (native), English (fluent), German (advanced)



## EDUCATION AND TRAINING

**2013: Ph.D, Department of Psychology and Education (section: Speech Therapy), Prof. Dominique Morsomme**

Dissertation title: Evaluation of singing voice accuracy in a melodic context  
Committee: Steve Majerus, Régine Kolinsky, Nathalie Henrich, Irène Deliège, Dominique Morsomme  
Field: Cognitive psychology, Speech therapy, Music.  
University of Liège (Belgium)

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**2007 – 2009: Master in speech therapy** at the University of Brussels, Highest distinction, ULB (Belgium)

**2005 – 2007: Bachelor in speech therapy** at the University of Brussels, ULB (Belgium)

**2006 – 2010: Bachelor in music (piano)** at the Royal Conservatory of Mons (Belgium)

**2003 – 2005: Bachelor in psychology** at the University of Toulouse, le Mirail (France)

**2002 – 2004: Bachelor in pedagogy** at the University of Toulouse, le Mirail (France)

**1999 – 2003: University degree in music therapy** at University of Montpellier, Paul-Valéry (France)

**1999: Baccalauréat (scientific section)** at lycée Foch, Rodez (France)

## PROFESSIONAL EXPERIENCE

**2019 – present: Researcher (permanent position)**

Max Planck Institute for Empirical Aesthetics | Grüneburgweg, 14, 60 322 Frankfurt-am-Main (Germany)

**2014 – 2019: Post-doc, Department of Neuroscience, Prof. Professor David Poeppel**

Max Planck Institute for Empirical Aesthetics | Grüneburgweg, 14, 60 322 Frankfurt-am-Main (Germany)

**2015 (4 months): Post-doc associate, School of Communication, Prof. Marc Pell**

Neuropragmatic and Emotion Laboratory, McGill University, Montréal (Canada)

**2013 – 2014 (6 months): Post-Doc associate, Department of Psychology, Prof. Peter Pfordresher**

APAL Laboratory at the University at Buffalo (USA)

**2009 – 2014: Assistant at the Psychology Department, Voice therapy section**

University of Liège | B38-Rue de l'Aunale, 30, 4000 Liège (Belgium)

**2009 – 2011: Speech Therapist (Voice Specialty)**

Evaluation and rehabilitation of speaking/singing voice disorders

**1999 – 2009: Music teacher and performer**

Practical music workshops, piano and solfeggio teaching

# COMMUNICATION - PUBLICATIONS

## Peer-reviewed publications

Bruder, C., Breda, P., & **Larrouy-Maestri, P.** (2025). Attractive synthetic voices. *Computers in Human Behavior: Artificial Humans*, 6. doi: 10.1016/j.chbah.2025.100211

Bruder, C., & **Larrouy-Maestri, P.** (2025). CoVox: A dataset of contrasting vocalizations. *Behavior Research Methods*, 57(5), 142. doi: 10.3758/s13428-025-02664-9

**Larrouy-Maestri, P.**, Poeppel, D., & Pell, M. (2025). The sound of emotional prosody: Nearly three decades of research and future directions. *Perspective on Psychological Science*. doi: 10.1177/17456916231217722

Bruder, C., Frieler, K., & **Larrouy-Maestri, P.** (2024). Appreciation of singing and speaking voices is highly idiosyncratic. *Royal Society Open Science*, 11(11), 241623. doi:10.1098/rsos.241623.

Teng, X., **Larrouy-Maestri, P.**, & Poeppel, D. (2024). Segmenting and predicting musical phrase structure exploits neural gain modulation and phase precession. *Journal of Neuroscience*, 44(30). doi:10.1523/JNEUROSCI.

Bruder, C., Poeppel, D., & **Larrouy-Maestri, P.** (2024). Perceptual (but not acoustic) features predict singing voice preferences. *Scientific reports*, 14(1), 8977. doi:10.1038/s41598-024-58924-9.

Ozaki, Y., Tierney, A., Pfordresher, P. Q., McBride, J. M., Benetos, E., Proutskova, P., ... & Savage, P. E. (2024). Globally, songs and instrumental melodies are slower and higher and use more stable pitches than speech: A Registered Report. *Science advances*, 10(20), eadm9797. doi:10.1126/sciadv.adm9797.

Tan, Y., Sun, Z., Teng, X., **Larrouy-Maestri, P.**, Duan, F., & Aoki, S. (2024). Effective network analysis in music listening based on electroencephalogram. *Computers and Electrical Engineering*, 117, 109191. doi:10.1016/j.compeleceng.2024.109191.

Fink, L., Hörster, M., Poeppel, D., Wald-Fuhrmann, M., & **Larrouy-Maestri, P.** (2023). Features underlying speech versus music as categories of auditory experience. *Psy ArXiv*. doi:10.31234/osf.io/2635u.

Van Rijn, P., & **Larrouy-Maestri, P.** (2023) Modeling individual and cross-cultural variation in the mapping of emotions to speech prosody. *Nature Human Behavior*, 7(3):386-396. doi: 10.1038/s41562-022-01505-5.

**Larrouy-Maestri, P.**, Kegel, V., Schlotz, W., van Rijn, P., Menninghaus, W., & Poeppel, D. (2023) The meaning of spoken sentences can be twisted by a forward shift of prosodic stress. *Journal of Experimental Psychology: General*, 152(9):2438-2462. doi: 10.1037/xge0001377.

Bruder, C., & **Larrouy-Maestri, P.** (2023). Classical singers are also proficient in non-classical singing. *Frontiers in Psychology*, 14, 1215370. doi:10.3389/fpsyg.2023.1215370.

**Larrouy-Maestri, P.**, Wang, X., Vairo Nunes, R., & Poeppel, D. (2023). Are you your best judge?: On the self-evaluation of singing. *Journal of Voice*, 37(4), 633-e7. doi: 10.1016/j.jvoice.2021.03.028

van Rijn, P., Poeppel, D., & **Larrouy-Maestri, P.** (2023). Contribution of Pitch Measures over Time to Emotion Classification Accuracy. *psyarxiv*. doi:10.31234/osf.io/pnysd

**Larrouy-Maestri, P.**, Poeppel, D., & Pfordresher, P. (2022). *Pitch units* in music and speech prosody. In *How language speaks to music: prosody from a cross-domain perspective*, Richard Wiese, Mathias Scharinger Eds. doi: 10.1515/9783110770186

Holz, N., **Larrouy-Maestri, P.**, & Poeppel, D. (2022). The variably intense vocalizations of affect and emotion (VIVAE) corpus prompts new perspective on nonspeech perception. *Emotion*, 22(1), 213–225. <https://doi.org/10.1037/emo0001048>

Schuller, B., Batliner, A., Amiriparian, S., Bergler, C., Gerczuk, M., Holz, N., ... & Roberts, S. (2022). The ACM multimedia 2022 computational paralinguistics challenge: vocalisations, stuttering, activity, & mosquitoes. In *Proceedings of the 30th ACM International Conference on Multimedia* (pp. 7120-7124).

Durojaye, C., Fink, L., Roeske, T., Wald-Fuhrmann, M., & **Larrouy-Maestri, P.** (2021). Perception of Nigerian talking drum performances as speech-like vs. music-like: the role of familiarity and acoustic cues. *Frontiers in Psychology, Section Language Sciences*

Fink, L., Durojaye, C., Roeske, T., Wald-Fuhrmann, M., & **Larrouy-Maestri, P.** (2022). The dùndún drum helps us understand how we process speech and music. *Frontiers for Young Minds*, section Neuroscience and Psychology. [Reviewed by kids]

Holz, N., **Larrouy-Maestri, P.**, & Poeppel, D. (2021). The paradoxical role of emotional intensity in the perception of vocal affect. *Scientific Reports*

Roeske, T., **Larrouy-Maestri, P.**, Sakamoto, Y., & Poeppel, D. (2020). Listening to birdsong reveals basic features of rate perception and aesthetic judgements. *Proceedings of the Royal Society B*, 287(1923), 20193010. doi: 10.1098/rspb.2019.3010

**Larrouy-Maestri, P.** (2020). *Evaluation tools in singing education: a comparison of human and technological measures*. In Routledge Companion to Interdisciplinary Studies in Singing, Helga R. Gudmundsdottir, Carol Beynon, Karen Ludke, Annabel J. Cohen Eds, chap 21, pp. 253-267.

Harrison, P., Marjeh, R., Adolphi, F., van Rijn, P., Anglada-Tort, M., Tchernichovski, O., **Larrouy-Maestri, P.** & Jacoby, N. (2020). Gibbs Sampling with people. *Advances in Neural Information Processing Systems*, 33 (NeurIPS 2020)

**Larrouy-Maestri, P.**, Harisson, P., Müllensiefen, D. (2019). The Mistuning Perception Test: A new measurement instrument. *Behavior Research Methods*, 51, 663-675. doi: 10.3758/s13428-019-01225-1

Ayoub, M-R., **Larrouy-Maestri, P.**, & Morsomme, D. (2019). The effect of smoking on the fundamental frequency of the speaking voice. *Journal of Voice*. doi: 10.1016/j.jvoice.2018.04.001

**Larrouy-Maestri, P.** (2018). "I know it when I hear it": On listeners' perception of mistuning. *Music & Science*, 1, 1-17. doi: 10.1177/2059204318784582

**Larrouy-Maestri, P.**, & Pfordresher, P. (2018). Pitch perception in music: Do scoops matter? *Journal of Experimental Psychology: Human Perception and Performance*, 44(10), 1523-1541. doi: 10.1037/xhp0000550

**Larrouy-Maestri, P.** (2017). The influence of non-musical variables on the evaluation of vocal pitch accuracy. *CFMAE Interdisciplinary Journal for Music and Art Pedagogy, Special Issue on Singing & Voice*.

Merrill, J., & **Larrouy-Maestri, P.** (2017) Vocal features of song and speech: Insights from Schoenberg's Pierrot lunaire. *Frontiers in Psychology*, 8:1108. doi: 10.3389/fpsyg.2017.01108

**Larrouy-Maestri, P.**, Morsomme, D., Magis, D., & Poeppel, D. (2017). Lay listeners can evaluate the pitch accuracy of operatic voices. *Music Perception*, 34(4), 489-495. doi: 10.1525/MP.2017.34.4.489

**Larrouy-Maestri, P.** (2016). *Justesse en voix chantée: bien évaluer pour bien guider*. In De la voix parlée au chant, Claire Klein-Dallant Ed., ISBN: 978-1-234-56789-7. pp. 515-522.

**Larrouy-Maestri, P.**, Magis, D., Grabenhorst, M., & Morsomme, D. (2015). Layman versus Professional Musician: Who Makes the Better Judge? *PLoS ONE*, 10(8), e0135394.

Pfordresher, P. Q., & **Larrouy-Maestri, P.** (2015). On drawing a line through the spectrogram: How do we understand deficits of vocal pitch imitation? *Frontiers in Human Neuroscience*, 9.

Hutchins, S., **Larrouy-Maestri, P.**, & Peretz, I. (2014) Singing ability is rooted in vocal-motor of pitch. *Attention, Perception, and Psychophysics*, 76(8), 2522-2530.

**Larrouy-Maestri, P.**, Magis, D., & Morsomme, D. (2014) The evaluation of vocal accuracy: The case of operatic singing voices. *Music Perception*, 32(1), 1-10.

**Larrouy-Maestri, P.**, Magis, D., & Morsomme, D. (2014). The effect of melody and technique on the singing voice accuracy of trained singers. *Logopedics Phoniatrics Vocology*, 39, 126-129.

**Larrouy-Maestri, P.**, Magis, D., & Morsomme, D. (2014) Effects of melody and technique on acoustical and musical features of Western operatic singing voices. *Journal of Voice*, 28(3), 332-340.

**Larrouy-Maestri, P.**, & Morsomme, D. (2014). Criteria and tools for objectively analysing the vocal accuracy of a popular song. *Logopedics Phoniatrics Vocology*. 39, 11-18.

**Larrouy-Maestri, P.**, & Morsomme, D. (2014). The effects of stress on singing voice accuracy. *Journal of Voice*, 28(1), 52-58.

**Larrouy-Maestri, P.**, Lévêque, Y., Schön, D., Giovanni, A., & Morsomme, D. (2013). The evaluation of singing voice accuracy: A comparison between subjective and objective methods. *Journal of Voice*, 27(2), 259e1-e5.

**Larrouy-Maestri, P.**, Leybaert, J., & Kolinsky, R. (2013). The benefit of musical and linguistic expertise on language acquisition in sung material. *Musicae Scientiae*, 17(2), 217-228.

## Non peer-reviewed articles

Hubin, M., Morsomme, D., & **Larrouy-Maestri, P.** (2018). Définition et développement de la justesse vocale mélodique des enfants de 4 à 9 ans. *Cahiers de l'ASELF*, 14(4), 13-18.

**Larrouy-Maestri, P.** (2015). Influence du stress sur la voix parlée et chantée. *Language et pratiques*, 56, 33-42.

**Larrouy-Maestri, P.** (2013). Evaluer la justesse d'une performance vocale mélodique. *Cahiers de l'ASELF*, 10(4), 3-13.

## Databases

Lewis, G., van Rijn, P., Gwilliams, L., **Larrouy-Maestri, P.**, Poeppel, D., Ghitza, O. (2021) NyU-BU contextually controlled stories: NUBUC. Doi: 10.5281/zenodo.4075183

Holz, N., **Larrouy-Maestri, P.**, & Poeppel, D. (2020) The variably intense vocalizations of affect and emotion corpus (VIVAE). doi: 10.5281/zenodo.4066235

**Larrouy-Maestri, P.** (2012). Trained Singers Corpus. [http://crdo.up.univ-aix.fr/voir\\_depot.php?lang=en&id=792&prefix=sldr](http://crdo.up.univ-aix.fr/voir_depot.php?lang=en&id=792&prefix=sldr)

**Larrouy-Maestri, P.** (2011). Happy Birthday Corpus. [http://crdo.up.univ-aix.fr/voir\\_depot.php?lang=en&id=000774](http://crdo.up.univ-aix.fr/voir_depot.php?lang=en&id=000774)

# COMMUNICATION - PRESENTATIONS

## Oral presentations (peer reviewed) at scientific conferences

Bruder, C., & **Larrouy-Maestri, P.** (2025, July 21-25). Introducing CoVox: a dataset of contrasting vocalizations. 18th. International Conference on Music Perception and Cognition (ICMPC), São Paulo, Brazil.

Wester, J., & **Larrouy-Maestri, P.** (2025, March) Role of language comprehension on humanness perception in speech. 67th Tagung experimentell arbeitender Psychologen (TeaP). Frankfurt-am-Main, Germany

Wester, J., & **Larrouy-Maestri, P.** (2025, March) Role of speech comprehension on the perception of humanness. 36th Elektronische Sprachsignalverarbeitung (ESSV). Halle, Germany

Bruder, C., & **Larrouy-Maestri, P.** (2024, August). Individual differences in singing voice perception. 2nd International Conference on Voice Identity. Marburg, Germany

Bruder, C., Frieler, K., & **Larrouy-Maestri, P.** (2024, July). Measuring agreement in preferences for singing and speaking voices. 12th Triennial Conference of the European Society for the Cognitive Sciences of Music (ESCOM). York/La Plata/Melbourne (remote participation)

Bruder, C., Frieler, K., & **Larrouy-Maestri, P.** (2024, May). Measuring shared taste across contrasting types of vocalizations. Biennial Conference of the International Association of Empirical Aesthetics, Palma, Spain

**Larrouy-Maestri, P.** & Wald-Fuhrmann, M. (2024, May). "Music" as a perceptual category – the role of perspective, stimulus duration and repetition. Biennial Conference of the International Association of Empirical Aesthetics, Palma, Spain

Bruder, C., & **Larrouy-Maestri, P.** (2024, May). The unique vocal quality of lullabies voices. Interdisziplinäre Tagung Schlafmusik / Sleep Music. Regensburg, Germany

Bruder, C., & **Larrouy-Maestri, P.** (2023, March). What grounds singing voice preferences? Symposium organised by Thomas Jacobsen, at the 65th Annual meeting of the General Psychology section of the German Psychological Society (TeaP). Trier, Germany

Hye, E. et al. (2023, October). Auditory attention decoding during polyphonic music listening. Timing Research Forum (TRF-3). <http://timingforum.org/trf3/>. Lisbon, Portugal

Bruder, C., Breda, P., & **Larrouy-Maestri, P.** (2023, September). Attractiveness and social appeal of synthetic voices. 23th conference of the european society for cognitive psychology (ESCOP). Porto, Portugal.

**Larrouy-Maestri, P.**, & Wald-Fuhrmann, M. (2023, August). Music or Something Else? Exploring How People Categorize Sounds. International Conference on Music Perception and Cognition (ICMPC), Tokyo, Japan (online presentation)

Hołubowska, Z., Teng, X., & **Larrouy-Maestri, P.** (2023, August). The Effect of Temporal Regularity on Tracking Musical Phrases. International Conference on Music Perception and Cognition (ICMPC), Tokyo, Japan.

Ozaki et al. (>50 co-authors). (2023, July). Similarities and differences in a global sample of songs and speech recordings. International Council for Traditional Music conference. <http://ictmusic.org/ictm2023/programme>, Ghana.

Hołubowska, Z., Teng, X., **Larrouy-Maestri, P.** (2022, October). Wpływ regularności fraz muzycznych na zdolność ich śledzenia – badania behawioralne i EEG. [Effect of regularity on the behavioral and neural tracking of musical phrases]. Ogólnopolska Konferencja Naukowa "Muzyka w refleksji naukowej". Poland (online).

Fink, L., Hörster, M., Poeppel, D., Wald-Fuhrmann, M., & **Larrouy-Maestri, P.** (2022, September). Western listeners' perception of music and speech is reflected in acoustic and semantic descriptors. Workshop "Biology-culture relationships in the evolution of language and music" organized by Rie Asano, in the context of the Joint Conference on Language Evolution. Kanazawa, Japan, and online.

Bruder, C., Poeppel, D., **Larrouy-Maestri, P.** (2022, August). The role of typicality in singing voice preferences. 14th Pan-European Voice Conference (PEVoC). Tallinn, Estonia.

**Larrouy-Maestri, P.**, Pell, M., & Poeppel, D., (2022, July). New directions to crack the acoustic code of emotional prosody. European Society for Cognitive and Affective Neuroscience (ESCAN). Vienna, Austria.

**Larrouy-Maestri, P.**, Teng, X., & Poeppel, D. (2022, April). Segmenting and predicting "phrases" in continuous auditory streams: the case of music. Cognitive Neuroscience Society (CNS). San Francisco, USA.

Bruder, C., Jacoby, N., Poeppel, D., & **Larrouy-Maestri, P.** (SysMus, 2021). What makes a singer your favorite one? International Conference of Students of Systematic Musicology, Norway.

van Rijn, P., Mertes, S., Schiller, D., Harrison, P., **Larrouy-Maestri, P.**, André, E., & Jacoby, N. (Interspeech, 2021) Exploring emotional prototypes in a high dimensional TTS latent space. ISCA

**Larrouy-Maestri, P.**, Fink, L., Durojaye, C., Hörster, M., Poeppel, D., & Wald-Fuhrmann, M. (2021, ESCOM-ICMPC). Music or language or both? The classification of dúndún talking drum stimuli

- Bruder, C., Jacoby, N., Poeppel, D., & **Larrouy-Maestri, P.** (2021, ESCOM-ICMPC). Predicting aesthetic ratings from the acoustics of sung melodies
- Bruder, C., Jacoby, N., Poeppel, D., & **Larrouy-Maestri, P.** (2021, IAEA). Predicting aesthetic ratings from the acoustics of sung melodies
- Holz, N., **Larrouy-Maestri, P.**, & Poeppel, D. (2021, April). The emotion intensity paradox. Conference of the Society for Affective Sciences, Virtual meeting, US.
- Holz, N., **Larrouy-Maestri, P.**, & Poeppel, D. (2020, April). The paradoxical role of emotional intensity in the perception of vocal affect. 13<sup>th</sup> Annual Conference of the Social and Affective Neuroscience Society, Virtual meeting.
- Harrison, P., Marjeh, R., Adolfi, F., van Rijn, P., Anglada-Tort, M., Tchernichovski, O., **Larrouy-Maestri, P.** & Jacoby, N. (2020, December). Gibbs Sampling with people. NeurIPS, Virtual meeting.
- Larrouy-Maestri, P.**, & Poeppel, D. (2020, August 6-8). Right or wrong: Evaluation of the correctness of music performances. Symposium "The study of aesthetic experience: Who likes what and why?" APA Convention, Boston/Virtual meeting, US.
- Larrouy-Maestri, P.**, Vessel, E., Bruder, C., Rogers, S., & Poeppel, D. (2019, August). From opera to pop: Do we all like the same voices? Paper presented at the Society for Music Perception & Cognition (SMPC), New York, US
- Larrouy-Maestri, P.**, Huan, S.E. & Pfordresher, P. (2019, August). The perception of scoops in judgments of singing performances. Paper presented at the Society for Music Perception & Cognition (SMPC), New York, US
- Xiangbin, T., **Larrouy-Maestri, P.**, & Poeppel, D. (2019, August). Neurophysiological tracking of musical phrases in Bach. Paper presented at the Society for Music Perception & Cognition (SMPC), New York, US.
- Larrouy-Maestri, P.**, Vessel, E.A., Wald-Fuhrmann, M., & Poeppel, D. (2018, July). Do you like what sounds right? Paper accepted at the 15th International Conference on Music Perception and Cognition (ICMPC), 10th triennial conference of the European Society for the Cognitive Sciences of Music (ESCOM), Montreal, Canada.
- Merrill, J., Sundberg, J., Seedorf, T., Lejeune, L., & **Larrouy-Maestri, P.** (2017, August). *Aesthetic concepts of the beautiful voice*. Round table organized (symposium accepted) at the Pan European Voice Conference, Ghent, Belgium.
- Larrouy-Maestri, P.**, Wang, X., Vairo Nunes, R., & Poeppel, D. (2017, August). What if Florence F. Jenkins would have been more critical? On singers self-evaluation. Paper presented at the Pan European Voice Conference, Ghent, Belgium.
- Merrill, J., & **Larrouy-Maestri, P.** (2017, August). Features of vocal expression in song and speech: Examination of 'Speechsong'. Paper presented at the Conference of the European Society for the Cognitive Sciences of Music (ESCOM), Ghent, Belgium.
- Ayoub, M-R., **Larrouy-Maestri, P.**, & Morsomme, D. (2017, August). The effect of smoking on the fundamental frequency of the speaking voice of Lebanese men. Paper presented at the Pan European Voice Conference, Ghent, Belgium.
- Larrouy-Maestri, P.**, Franz, S., Muralikrishnan, R., & Poeppel, D. (2017, March). Does it sound right? Perception of "correctness" in music. Paper presented at the 59th Conference of Experimental Psychologists (TeaP), Dresden, Germany.
- Larrouy-Maestri, P.**, Franz, S., & Poeppel, D. (2016, July). Perception of pitch accuracy in melodies: A categorical or continuous phenomenon? Paper presented at International Conference on Music Perception and Cognition (Young Investigator Award), San Francisco, US.
- Larrouy-Maestri, P.**, & Pfordresher, P. (2015, August). How do "scoops" influence the perception of singing accuracy? Paper presented at Meeting of the society for music perception and cognition, Nashville, US.
- Larrouy-Maestri, P.**, Gosselin, L., Blanckaert, E., & Morsomme, D. (2015, August). Listeners' tolerance when listening to melodic performances. Paper presented at 9th Triennial Conference of the European Society for the Cognitive Sciences, Manchester, UK.
- Morsomme, D., Finck, C., & **Larrouy-Maestri, P.** (2015, April). Estimated subglottic pressure evaluation: Evolution in 152 dysphonic patients. Paper presented at the 11th International Conference on Advances in Quantitative Laryngology Voice and Speech Research & The 4th International Occupational Voice Symposium, London, United Kingdom.
- Morsomme, D., Chareix, H., Finck, C., & **Larrouy-Maestri, P.** (2014, October). Pression Subglottale estimée. Paper presented at the Société Française de Phoniatry, Paris, France.
- Larrouy-Maestri, P.**, & Pfordresher, P. Q. (2014, June). Pitch fluctuations in accurate and inaccurate singers: are they the same? Paper presented at Advancing Interdisciplinary Research in Singing: Development, Education and Wellbeing. AIRS symposium, Toronto, Canada.
- Morsomme, D., Chareix, H., Finck, C., & **Larrouy-Maestri, P.** (2014, May). Estimated Subglottic Pressure Evaluation According to Vocal Pathology. Study on 418 Patients. Paper presented at 43rd Annual Symposium of the Voice Foundation, Philadelphia, United States, PA.



**Larrouy-Maestri, P.**, & Morsomme, D. (2013, August). How do music experts and non-expert evaluate the vocal accuracy of operatic singing voices? Paper presented at the Pan European Voice Conference, Prague.

**Larrouy-Maestri, P.**, Roig-Sanchis, V., & Morsomme, D. (2013, August). The evaluation of singing voice accuracy: Are we good judges even if we are not musicians? Paper presented at the Society for Music Perception & Cognition, Toronto, Canada.

Hutchins, S., **Larrouy-Maestri, P.**, & Peretz, I. (2013, August). Pitch matching, melodic singing, and vocal-motor control. Paper presented at Society for Music Perception & Cognition, Toronto, Canada.

**Larrouy-Maestri, P.**, & Morsomme, D. (2013, August). The evaluation of singing voice accuracy: Are we good judges even if we are not musicians? Paper presented at Society for Music Perception & Cognition, Toronto, Canada.

**Larrouy-Maestri, P.**, Blanckaert, E., & Morsomme, D. (2013, May). The evaluation of singing voice accuracy: How tolerant are we? Paper presented at Annual Meeting of Belgian Association for Psychological Sciences, Louvain-la-Neuve, Belgium.

**Larrouy-Maestri, P.**, & Morsomme, D. (2012, October). Impact du stress sur la justesse d'une performance vocale chez des étudiants de conservatoire. Paper presented at 68ème Congrès de la Société Française de Phoniatrie, Paris, France.

**Larrouy-Maestri, P.**, Hutchins, S., & Peretz, I. (2012, May). The relationship between vocal abilities and singing accuracy. Paper presented at Annual Meeting of Belgian Association for Psychological Sciences, Liège, Belgium.

## Poster presentations (peer reviewed) at scientific conferences

**Larrouy-Maestri, P.**, Hubin, M., & Morsomme, D. (2025, November 21-23). The non-linear developmental trajectory of singing accuracy. Poster presented at the 21st Annual NeuroMusic Conference, McMaster, Hamilton, Canada

Platte, S.L., **Larrouy-Maestri, P.**, Shuldt-Jensen, M., & Fink, L. (2025, November 21-23). Conducting against the room: How variable acoustics and adaptive gestures shape vocal load in choirs. Poster presented at the 21st Annual NeuroMusic Conference, McMaster, Hamilton, Canada

Aydin, T. A., Wald-Fuhrmann, M., **Larrouy-Maestri, P.** (2025, July 21-25). What makes music "music": Investigating the contribution of perceptual features in predicting music ratings. Poster presented at the 18th. International Conference on Music Perception and Cognition (ICMPC), São Paulo, Brazil.

Aydin, T. A., Wald-Fuhrmann, M., & **Larrouy-Maestri, P.** (2025, March). Contribution of acoustic and perceptual features in predicting a "music" category. Poster presented at the 67th Tagung experimentell arbeitender Psychologen (TeaP), Frankfurt-am-Main, Germany.

**Larrouy-Maestri, P.** Aydin, T. A., & Wald-Fuhrmann, M. (2024, November). The role of acoustic and perceptual features in music perception. Poster presented at the 20th Annual NeuroMusic Conference, McMaster, Hamilton, Canada

Wester, J. M., & **Larrouy-Maestri P.** (2024, August). Perception of "humanness" in speech. Poster presented at the 2nd International Conference on Voice Identity. Marburg, Germany

Wester, J. M., & **Larrouy-Maestri P.** (2024, July). Effect of syntax and semantics on the perception of "humanness" in speech. Poster presented at the Highlights in the Language Sciences (HILS) Conference, Nijmegen, the Netherlands.

Aydin, T. A., Wald-Fuhrmann, M., & **Larrouy-Maestri, P.** (2024, May) Direct comparison of sliders versus forced-choice response formats in music perception research. Poster presented at the Biennial Conference of the International Association of Empirical Aesthetics, Palma, Spain

Hołubowska, Z., Teng, X., **Larrouy-Maestri, P.** (2023, March). The effect of regularity on the behavioural and neural tracking of musical phrases. Poster presented at the 65th Annual meeting of the General Psychology section of the German Psychological Society (TeaP). Trier, Germany

Amin, Y., **Larrouy-Maestri, P.**, Ripollés, P., & Pelofi, C. (2022, November). Musical attention decoding. Society of Neuroscience (SFN). San Diego (online).

Bruder, C., & **Larrouy-Maestri, P.** (2022, September). Acoustic characteristics of contrasting singing styles. 38 Jahrestagung der Deutschen Gesellschaft für Musikpsychologie, Würzburg, Germany.

Fink, L., Hörster, M., Poeppel, D., Wald-Fuhrmann, M., & **Larrouy-Maestri, P.** (2022, April). Bonfire happiness or a scratchy affair?: Patterns in free labelling and categorization of percussive stimuli. Cognitive Neuroscience Society (CNS). San Francisco.

Hörster, M., Fink, L., Wald-Fuhrmann, M., Poeppel, D., & **Larrouy-Maestri, P.** (2021, November) Speech, music, or "raindrops on drums": Labels influence the categorization of sounds. Poster to be presented at the International Conference of Students of Systematic Musicology, Norway.

- Wang, X., & **Larrouy-Maestri, P.** (2020, September). Singers are affected by the presence of their own performances when evaluating the pitch accuracy of their peers. Poster presented at the International Conference of Students of Systematic Musicology, York, England.
- Holz, N., **Larrouy-Maestri, P.**, & Poeppel, D. (2020, May). Quantifying the sweet spot of emotional intensity in the perception of vocal affect. Poster presented at the Social and Affective Neuroscience Society, Virtual meeting, US.
- Holz, N., **Larrouy-Maestri, P.**, & Poeppel, D. (2020, May 22-25). Inferring meaning from variably intense emotion expressions. Poster presented at the Cognitive Neuroscience Society, Virtual meeting, US.
- Van Rijn, P., Michalareas, G., Poeppel, D., & **Larrouy-Maestri, P.** (2019, December). Emotional prosody: the role of pitch over time. Poster presented at the Rhythm in speech recognition (R3) workshop. Nijmegen, NL.
- Holz, N., **Larrouy-Maestri, P.**, & Poeppel, D. (2019, May). Moans and screams – a newly validated corpus of affective vocalizations. Poster presented at the Social and Affective Neuroscience Society, Miami, US.
- Holz, N., **Larrouy-Maestri, P.**, & Poeppel, D. (2019, March). Rethinking affective vocalizations. Poster presented at the Cognitive Neuroscience Society, San Francisco, US.
- Roeske, T., **Larrouy-Maestri, P.**, Sakamoto, Y., & Poeppel, D. (2018, November). The rate of birdsong as a window into auditory aesthetic perception. Poster presented at the Society for Neuroscience, San Diego, US.
- Larrouy-Maestri, P.**, Franz, S., Dalla Bella, S., & Poeppel, D. (2018, July). What sounds right? Categorization of correctness in music. Poster accepted at the 15th International Conference on Music Perception and Cognition (ICMPC), 10th triennial conference of the European Society for the Cognitive Sciences of Music (ESCOM), Montreal, Canada.
- Larrouy-Maestri, P.**, Franz, S., Bégel, V., Dalla Bella, S., & Poeppel, D. (2017, August). Perception of beat accuracy in music: Relative to the tempo? Poster presented at the Conference of the European Society for the Cognitive Sciences of Music (ESCOM), Ghent, Belgium
- Larrouy-Maestri, P.**, Harrison, P.M.C., Walker, D., & Müllensiefen, D. (2017, August). A new test of the ability to detect mistuning in real music. Poster presented at the Conference of the European Society for the Cognitive Sciences of Music (ESCOM), Ghent, Belgium
- Roeske, T., **Larrouy-Maestri, P.**, Sakamoto, Y., & Poeppel, D. (2017, July). Would you dance to birdsong? Poster presented at the Neuroscience and Music conference, Boston, US.
- Merrill, J., & **Larrouy-Maestri, P.** (2016, Septembre). Zur Akzeptanz des Sprechgesangs in Schönbergs Pierrot lunaire [Schönberg's Pierrot lunaire revisited acceptance of vocal expression]. Poster presented at Akustik und Musikalische Hörwahrnehmung, Deutsche Gesellschaft für Musikpsychologie, Wien, Germany.
- Fischinger, T., Kreutz, G., & **Larrouy-Maestri, P.** (2016, July). Solo vs. duet in different virtual rooms: On the consistency of singing quality across conditions. Poster presented at International Conference for Music Perception and Cognition, San Francisco.
- Larrouy-Maestri, P.**, DeChristen, E., Kolinsky, R. (2015, August). Effects of music and language expertise on the implicit learning of musical and linguistic structures. Poster presented at 9th Triennial Conference of the European Society for the Cognitive Sciences, Manchester, UK.
- Larrouy-Maestri, P.** (2015, March). Evaluation of pitch accuracy in solfeggio examinations: What about non-musical variables. Poster presented at the First International Conference on Multimodal Experience in Music, Sheffield, UK.
- Gosselin, L., Morsomme, D., & **Larrouy-Maestri, P.** (2014, October). Effets de l'expertise musicale sur la perception de la justesse vocale. Poster presented at the Journée de recherche clinique de la CPLU, University of Liège, Belgium
- Larrouy-Maestri, P.**, Magis, D., Nowak, M., & Morsomme, D. (2014, May). Toward a Characterization of Western Operatic Singing Voices. Poster presented at the 43rd Annual Symposium of the Voice Foundation, Philadelphia, US.
- Beeken, M., Morsomme, D., & **Larrouy-Maestri, P.** (2014, May). Influence of melodic context on the perception of vocal pitch accuracy. Poster presented at Belgium Association for Psychological Science Annual Meeting, Belgium.
- Larrouy-Maestri, P.**, & Morsomme, D. (2013, August). The influence of subjective factors on the evaluation of singing voice accuracy. Poster presented at the 5th Annual Meeting & International Conference of AIRS, Advancing Interdisciplinary Research in Singing: Development, Education and Wellbeing, Toronto, Canada.
- Larrouy-Maestri, P.**, Lévêque, Y., Schön, D., Giovanni, A., & Morsomme, D. (2012, July). A comparison between subjective and objective methods for evaluating the vocal accuracy of a popular song. Poster presented at the 12th International Conference on Music Perception and Cognition (ICMPC) and 8th Triennial Conference of the European Society for the Cognitive Sciences of Music (ESCOM), Thessaloniki, Greece.
- Larrouy-Maestri, P.**, & Morsomme, D. (2012, May). Impact of performance anxiety on the accuracy of the singing voice among music students. Poster presented at the voice foundation's 41st Annual Symposium, Philadelphia, USA.



**Larrouy-Maestri, P.**, & Morsomme, D. (2011, August). Effet de la technique vocale sur la justesse en voix chantée. Poster presented at the 9th Pan European Voice Conference, Marseille, France.

**Larrouy-Maestri, P.**, Leybaert, J, & Kolinsky, R. (2010, August). Processing of linguistic and musical dimensions contained in songs: effects of an expertise. Poster presented at the 5th International Conference on the Physiology and Acoustics of Singing, Stockholm, Sweden.

## Invited talks at universities or research centers

- **2025, November 20:** Vocal communication beyond the words. Invited talk at Centre for Advanced Research in Experimental and Applied Linguistics (**ARiEAL**). McMaster University, Hamilton
- **2025, May 8:** Mapping voice(s) and meaning(s). Invited talk at the BRAMS-CRBLM Lecture Series - Montreal University, Canada.
- **2025, March 5:** Making sense of voices. Keynote presented at the 36th Elektronische Sprachsignalverarbeitung (ESSV). Halle, Germany
- **2023, October 23:** Making sense of sounds. Invited talk at the BEAT lab at McMaster University, Hamilton, Canada.
- **2021, March 12:** The sound of intentions. Invited talk at the Max Planck-NYU Center for Language, Music, and Emotion, New York, Virtual meeting.
- **2021, February 2:** The perception of auditory sequences. Invited talk at the Public seminar series of the Psychology & Neuroscience of Cognition (PsyNCog), Faculty of Psychology, Logopédie, & Sciences de l'Éducation, University of Liège, Belgium, Virtual meeting.
- **2019, October 19:** Music and Perception. Symposium: The sound of science (organized by the CERFA), Dresden, Germany.
- **2019, April 1:** La voix : un bel instrument à la portée de tous. Invited talk at « Langues et musique, musique des langues : Quelles perspectives pour l'apprentissage ? (organized by the Haute Ecole Francisco Ferrer), Brussels, Belgium.
- **2018, July 26:** Lab Meeting BRAMS, invited by Simone Dalla Bella, Montreal, Canada.
- **2018, June 8-9:** Qui peut évaluer la justesse d'un chanteur? Invited talk at « 2<sup>ème</sup> Rencontres de Phoniatrie », Paris, France.
- **2017, November 20:** Singing in the (b)rain. Invited talk at the Estonian Academy of Music and Theatre by the Estonian Musicological Society, Lechter lecture series, Tallinn, Estonia.
- **2017, May 17:** Does this sound right? On the perception of correctness in music. Invited talk at the Université Libre de Bruxelles (ULB), Center for Research in Cognition and Neurosciences, Brussels, Belgium.
- **2017, May 8:** Singing in the (b)rain. Invited talk at Deutsches Zentrum für Neurodegenerative Erkrankungen, DZNE (Music & Brain lecture series), Bonn, Germany.
- **2017, April 20:** Does this melody sound right? Invited talk at the Max Planck Institute for Human Cognitive and Brain Research, in the Otto Hahn Group « Neural Bases of Intonation in Speech and Music », Leipzig, Germany.
- **2017, April 11:** Est-ce que ça sonne bien? Invited talk at the IRCAM (Séminaire Recherche et Technologie), Paris, France.
- **2016, October 21:** From perception to evaluation of singing performances. Invited talk at the Voice Symposium, University of Liège, Belgium.
- **2016, May 30:** Melodic perception. Invited talk at the LeadNet Meeting organized by the Max-Planck Society (Workshop on Interdisciplinary Neurobiology in the Max Planck Society). Berlin, Germany.
- **2016, March 17:** In-tune versus out-of-tune: On the perception of pitch accuracy. Invited talk at BRAMS, International Laboratory for Brain, Music, and Sound Research at Montreal University, Montreal, Canada.
- **2016, March 11:** In-tune versus out-of-tune: On the process of accuracy perception in melodies. Invited talk at the Psychology Department at Ryerson University, Toronto, Canada.
- **2015, Novembre 12:** Do you sing in tune? Perception of pitch accuracy when listening to sung melodies. Invited talk at the Brain, Mind and Music (lecture serie), Goldsmiths University, London, UK.
- **2015, August:** Workshop on singing accuracy, listeners' tolerance, and pitch analysis. Workshop presented at the 5th Annual Meeting on Advancing Interdisciplinary Research in Singing, Nashville, US.

- **2014, October 31:** Stress and singing accuracy: What is the relationship? Invited talk at EVTA symposium, Belgium.
- **2014, June 28:** Workshop on pitch analysis for singing. Invited talk at Advancing Interdisciplinary Research in Singing: Development, Education and Wellbeing. AIRS symposium, Toronto, Canada.
- **2014, April 26:** Perception of melodic accuracy in occasional singers: role of pitch fluctuations? Invited talk at the Music Cognition Symposium, Rochester, USA
- **2014, March 28:** Definition of vocal pitch accuracy in a melodic context. Invited talk at BRAMS, International Laboratory for Brain, Music, and Sound Research at Montreal University, Montreal, Canada.
- **2014, March 03:** How do we perceive vocal pitch accuracy during singing? Psychology Department meeting, Buffalo, USA.
- **2014, January 15:** Evaluation of pitch accuracy: from occasional to operatic singers. Presentation at the Auditory Perception and Action Laboratory, Buffalo, NY, US.
- **2013, November 14:** Stress et voix: le cas de la justesse mélodique. Invited talk at the Université Catholique de Louvain-la-Neuve, Belgium.
- **2013, October 16:** Perception de la justesse en voix chantée. Invited talk at GIPSA-Lab, Grenoble, France.
- **2013, August 13:** Pitch analysis workshop. Invited talk at the 5th Annual Meeting of Advancing Interdisciplinary Research in Singing, Toronto, Canada.
- **2012, December 12:** La voix juste : la science au service du chant. Invited talk at ISAE: Institut Supérieur de l'Aéronautique et de l'Espace, Toulouse, France.
- **2011, November 17:** Critères et outils d'analyse de la justesse vocale. Invited talk at Ircam Forum, Paris, France.
- **2011, May 27:** Vocal accuracy in the singing voice. Presentation at BRAMS, International Laboratory for Brain, Music, and Sound Research at Montreal University, Montreal, Canada.

## ON-GOING PROJECTS (SELECTION):

- Inferring meaning from vocalizations (PI)
- An interactionist approach to voice(s) perception (PI)
- Development of singing (PI)
- Singing Voice Preferences (PI: Camula Bruder, PhD candidate)
- Borders of "humanness" category (PI: Janniek Wester, PhD candidate)
- Definition of a "music" category (PI: T. Ata Aydin, PhD candidate)
- Neurophysiological tracking of musical structure (PI: Xiangbin Teng)
- Multi-voice perception (PI: Sarah Platte, project on choir conducting)

see [www.aesthetics.mpg.de](http://www.aesthetics.mpg.de) for details

## AWARDS AND GRANTS

- **2025:** Research scholarship of €20,000 awarded to conduct the project "Humanity of Speech", by Imminent - Translated Research Center, in the
- **2023:** Research scholarship of €20,000 awarded to conduct the project "Humanity of Speech", by Imminent - Translated Research Center, in the category Human-Computer interaction.
- **2017:** Nominated and selected for "Sign Up! Careerbuilding for outstanding female post docs in the MPG"
- **2017:** Finalist at the Minerva Fast Track fellowship supported by the Max Planck Society.

- **2016:** Young Investigator Award from the Society for Education, Music, & Psychology Research (SEMPRE) and the International Conference for Music Perception and Cognition (ICMPC)
- **2015:** Merit Scholarship program for foreign students [Bourse d'excellence pour étudiants étrangers, PBEEE] from the Fonds de recherche du Québec – Nature et technologies (CA \$12,000).
- **2013:** Finalist at the competition "Ma these en 180s" [Presentation of PhD thesis], University of Liège, Belgium
- **2013:** Patrimoine de l'Université de Liège and FNRS travel fundings for a research stay in US
- **2011:** Grant at the "Concours de bourses de voyage" from the French Community of Belgium.

## TEACHING AND SUPERVISION

### Co-taught (2010-2014)

University of Liège, section Speech Therapy, headed by Prof. Dominique Morsomme

[2010-2012: Additional pedagogic training for higher education from the Institut de Formation et de Recherche en Enseignement Supérieur (IFRES) on e-learning, mentoring, teaching skills]

- Perception and production de la parole [Perception and production of speech]: LOGO5001-1
- Techniques de rééducation des dysodies [Singing voice disorders rehabilitation]: LOGO0018-2
- Bilans de voix et techniques de rééducation des dysphonies [Speaking voice evaluation and rehabilitation]: LOGO0019-1
- Pratique de l'observation [Observation practice]: YSTG9017-1
- Séminaire d'accompagnement de stage [Rehabilitation practice development]: YSTG9029 -1

### Co-supervision of doctoral thesis

- **Aydin T. Ata (2024 - ongoing).** Neural correlates of the "music" perceptual category
- **Wester Janniek (2023 - ongoing).** Borders of Humanness.
- **Bruder Camila (2018 - 2024).** Roots of singing voice preferences
- **Van Rijn Pol (2019 - 2022).** Mapping acoustic features to prosody perception.
- **Holz Natalie (2017 - 2021).** Neural correlates of affect perception in screams.

### Supervision of bachelor thesis (more than 20 from 2011 to 2024)

### Supervision of master thesis (17 from 2011 to 2024)

### Research assistants and interns at the MPI (12 from 2014 to 2024)