

**Nom : LABOISSIÈRE**  
**Prénom : Rafael**  
**Collège : B1**  
**Institut de vote : INSB**  
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## Personal data

Family name: LABOISSIÈRE

First name: Rafael

Date and place of birth: October 15, 1962 in Belo Horizonte, Brazil

Citizenship: brazilian and french

## Professional situation

Researcher (CRHC) at Centre National de la Recherche Scientifique, France. Hired in October 1992. Currently associated with Laboratory of Psychology and Neurocognition (CNRS UMR5105). Research domains: Perception and Production of Speech, Human Motor Control, Language Development.

## Previous employements

**2001 – 2006:** Researcher at the Max-Planck Institute for Human Cognitive and Brain Sciences, Munich & Leipzig, Germany. Head of the Junior Research Group “Sensorimotor Coordination”.

**1992 – 2001:** Researcher at the Institute of Speech Communication, CNRS & INPG, Grenoble, France.

**1997 – 1998:** Professor at the Department of Telecommunications, Institute of Technology for Aeronautics, São José dos Campos, Brazil

## Research management

Member of the Section 26 and CID of the CoNRS between 2016 and 2021

## Education

- Ph.D. at Institut National Polytechnique de Grenoble, Signal–Image–Speech. Thesis title: “Preliminaries for Speech Communication Robotics – Inversion and Control of an Articulatory Model of the Vocal Tract”. September 1992.
- DEA at Université Paul Sabatier, Toulouse, Computer Science. June, 1988.
- Electronic Engineer at Instituto Tecnológico de Aeronáutica, São José dos Campos, Brazil. December 1986. Specialization: Signal Processing and Control Theory.

## Recent peer-reviewed publications

(In this section and in the following ones, the ☆ symbol indicates publications written with students.)

- ☆ Dida M, Cian C, Barraud PA, Guerraz M, and **Laboissière R** (2021), Idiosyncratic multisensory reweighting as the common cause for motion sickness susceptibility and adaptation to postural perturbation. *PLOS ONE* 16(12): e0260863. DOI: <https://doi.org/10.1371/journal.pone.0260863>
- ☆ Santana AC, Barbosa AV, Yehia HC, and **Laboissière R** (2021), A dimension reduction technique applied to regression on high dimension, low sample size neurophysiological data sets. *BMC Neurosci* 22(1). DOI: <https://doi.org/10.1186/s12868-020-00605-0>
- ☆ Tixier M, Cian C, Barraud PA, Laboissiere R, and Rousset S (2020), The interaction between long-term memory and postural control: Different effects of episodic and semantic tasks. *Motor Control* page 1–16. DOI: <https://doi.org/10.1123/mc.2020-0061>
- ☆ Blandin R, Van Hirtum A, Pelorson X, and **Laboissière R** (2019), Multimodal radiation impedance of a waveguide with arbitrary cross-sectional shape terminated in an infinite baffle. *The Journal of the Acoustical Society of America* 145(4): 2561–2564. DOI: <https://doi.org/10.1121/1.5099262>
- ☆ Blandin R, Van Hirtum A, Pelorson X, and **Laboissière R** (2018), The effect on vowel directivity patterns of higher order propagation modes. *J Sound Vib* 432: 621–632. DOI: <https://doi.org/10.1016/j.jsv.2018.06.053>  
Boudiaf N, **Laboissière R**, Cousin E, Fournet N, Krainik A, and Baciú M (2018), Behavioral evidence for a differential modulation of semantic processing and lexical production by aging: a full linear mixed-effects modeling approach. *Aging Neuropsychol Cogn* 25: 1–22. DOI: <https://doi.org/10.1080/13825585.2016.1257100>
- ☆ Bayet L, Quinn P, **Laboissière R**, Caldara R, Lee K, and Pascalis O (2017), Fearful but not happy expressions boost face detection in human infants. *P Royal Soc B-Biol Sci* 284(1862): 20171054. DOI: <https://doi.org/10.1098/rspb.2017.1054>  
**Laboissière R**, Barraud PA, and Cian C (2017), Real and visually-induced body inclination differently affect the perception of object stability. *PLoS ONE* 12(10): 1–15. DOI: <https://doi.org/10.1371/journal.pone.0186431>
- ☆ Blandin R, Van Hirtum A, Pelorson X, and **Laboissière R** (2016), Influence of higher order acoustical propagation modes on variable section waveguide directivity: Application to vowel [a]. *A Acust* 102: 918–929. DOI: <https://doi.org/10.3813/AAA.919006>
- ☆ Blandin R, Arnela M, **Laboissière R**, Pelorson X, Guasch O, Van Hirtum A, and Laval X (2015), Effects of higher order propagation modes in vocal tract like geometries. *J Acoust Soc Am* 137(2): 832–843. DOI: <https://doi.org/10.1121/1.4906166>  
**Laboissière R**, Letievant JC, Ionescu E, Barraud PA, Mazzuca M, and Cian C (2015), Relationship between spectral characteristics of spontaneous postural sway and motion sickness susceptibility. *PLoS ONE* 10(12): e0144466. DOI: <https://doi.org/10.1371/journal.pone.0144466>
- ☆ Kallel F, **Laboissière R**, Ben Hamida A, and Berger-Vachon C (2013), Influence of a shift in frequency distribution and analysis rate on phoneme intelligibility in noisy environments for simulated bilateral cochlear implants. *Appl Acoust* 74(1): 10–17. DOI: <https://doi.org/10.1016/j.apacoust.2012.05.014>
- ☆ Loureiro MA, Mota DA, Campolina T, Yehia HC, and **Laboissière R** (2012), Interpretative coupling and synchronization in clarinet duos. *OPUS – Revista da Associação Nacional de Pesquisa e Pós-Graduação em Música / ANPPOM* 18(2): 181–206. (in Portuguese).
- ☆ Canault M and **Laboissière R** (2011), Le babillage et le développement des compétences articulatoires: Indices temporels et moteurs. *Faits de Langue* 37: 173–188.
- ☆ Priot AE, **Laboissière R**, Plantier J, Prablanc C, and Roumes C (2011), Partitioning the components of visuomotor adaptation to prism-altered distance. *Neuropsychologia* 49(3): 498–506. DOI: <https://doi.org/10.1016/j.neuropsychologia.2010.11.028>