

# Ladislav Nalborczyk

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## Education

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### Univ. Grenoble-Alpes, France & Ghent University, Belgium

PhD in Cognitive Psychology & PhD in Clinical and Experimental Psychology, October 2015 – Present  
Thesis title: Psychophysiological characteristics of verbal rumination: basic and clinical aspects  
Supervisors: Pr. Elsa Spinelli (UGA) & Pr. Ernst Koster (UGent)  
Co-supervisors: Dr. H el ene L evenbruck (UGA) & Dr. Marcela Perrone-Bertolotti (UGA)

### Grenoble Institute of Technology, France

MSc in Cognitive Science, June 2015

### Pierre-Mendes France University, France

BA in Psychology, June 2013

## Publications

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### *Peer-reviewed journal articles*

Beffara, B., Bret, A., & **Nalborczyk, L.** (under review). Automation in Sequential Testing: A Commentary on Sch onbrodt, Wagenmakers, Zehetleitner, and Perugini (2017). [OSF].

**Nalborczyk, L.**, Batailler, C., L evenbruck, H., Vilain, A., & B urkner, P.-C. (under review). An Introduction to Bayesian Multilevel Models with brms: A Case Study of Gender Effects on Vowel Variability in Standard Indonesian. [OSF].

Trafimow, D., Amrhein, V., Areshenkoff, C. N., Barrera-Causil, C., Beh, E. J., Bilgic, Y., ... Marmolejo-Ramos, F. (under review). Manipulating the Alpha Level Cannot Cure Significance Testing. Comments on "Redefine Statistical Significance". [Preprint].

**Nalborczyk, L.**, Perrone-Bertolotti, M., Baeyens, C., Grandchamp, R., Polosan, M., Spinelli, E., ... L evenbruck, H. (2017). Orofacial Electromyographic Correlates of Induced Verbal Rumination. *Biological Psychology*, 127, 53-63. <http://dx.doi.org/10.1016/j.biopsycho.2017.04.013>. [OSF].

### *Book chapters*

L evenbruck, H., Grandchamp, R., Rapin, L., **Nalborczyk, L.**, Dohen, M., Perrier, P., Baci u, M., & Perrone-Bertolotti, M. (in press). A cognitive neuroscience view of inner language: to predict and to hear, see, feel. In Langland-Hassan, P. & Vicente, A. (eds.), *Inner Speech: nature, functions, and pathology*. Oxford University Press.

L evenbruck, H., **Nalborczyk, L.**, Perrone-Bertolotti, M., Baeyens, C., & Grandchamp, R. (in press). Un cas d'incarnation linguistique: implication du syst eme moteur orofacial dans les ruminations mentales. *Recherches sur la philosophie et le langage*, num ero special "Cognition incarn ee".

## Presentations

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### *Conference Talks*

- Nalborczyk, L.** (2018). Sequential Testing with Information Criteria and Evidence Ratios. Bayes@Lund, Sweden. [\[Slides\]](#)
- Nalborczyk, L.**, Perrone-Bertolotti, M., Baeyens, C., Grandchamp, R., Spinelli, E., Koster, E.H.W., & Løevenbruck, H. (2017). Verbal rumination as simulated speech. Embodied and Situated Language Processing conference. Moscow, Russia. [\[Slides\]](#)
- Nalborczyk, L.**, Perrone-Bertolotti, M., Baeyens, C., Keracheva, E., Grandchamp, R., Spinelli, E., Koster, E.H.W., & Løevenbruck, H. (2016). Rumination at the crossroads of embodied inner speech and emotion: facial electromyographic correlates. Consortium of European Research on Emotion (CERE). Leiden, Netherlands. [\[Slides\]](#)
- Nalborczyk, L.**, Løevenbruck, H., Perrone-Bertolotti, M., Baeyens, C., & Grandchamp, R. (2016). Verbal rumination as an embodied orofacial action. International conference Language and Enaction. Clermont-Ferrand, France. [\[Slides\]](#)

### *Conference Posters*

- Løevenbruck, H., Grandchamp, R., Rapin, L., **Nalborczyk, L.**, Dohen, M., Perrier, P., Baciú, M., & Perrone-Bertolotti, M. (2018). A neurocognitive predictive model of willful inner speech production. The Probabilistic Brain Workshop, Durham, England.
- Nalborczyk, L.**, Løevenbruck, H., Keracheva, E., Koster, E.H.W., Baeyens, C., Grandchamp, R., & Perrone-Bertolotti, M. (2017). Articulatory suppression effects on verbal rumination. Cognitive Science Arena. Brixen, Italy. [\[PDF\]](#)
- Nalborczyk, L.**, Baeyens, C., Grandchamp, R., Løevenbruck, H., Perrone-Bertolotti, M., & Polosan, M. (2015). Orofacial electromyographic correlates of induced verbal rumination. Embodied and Situated Language Processing conference. Lyon, France. [\[PDF\]](#)

## Software

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- Nalborczyk, L. (2018). *lmisc*. R package version 0.0.1, available on Github.
- Batailler, C., & Nalborczyk, L. (2017). *maskr*. R package version 0.0.1, available on Github.
- Nalborczyk, L. (2017). *sticer: Sequential Testing with Information Criteria and Evidence Ratios*. R package version 0.3.0.

## Teaching Experience (164h)

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- Data Analysis, 2016 (36h)
- Introduction to Cognitive Psychology, 2016 (50h)
- Cognitive Psychology, Perception, Action and Categorisation, 2016 (42h)
- Introduction to Bayesian Statistical Modelling, 2017, 2018 (36h)

*Co-supervision of master students (N = 4)*

Sonja Banjac, Master 2 Cognitive Science, UGA, Grenoble, 2017–2018

Myriam El-Helou, Master 1 Applied Mathematics and Informatics, UGA, Grenoble, 2016–2017

Elena Keracheva, Master 1 Clinical Psychology, UGA, Grenoble, 2015–2016

Lucile Pinek, Master 1 Cognitive Psychology, UGA, Grenoble, 2015–2016

## Fellowships, Grants, and Awards

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Univ. Grenoble Alpes: 3-year scholarship for a joint PhD (2015–2018)

## Academic Services

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Elected representative of the PhD students at the academic council and the research committee of the UGA (2015–2017)

## Professional Services

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Ambassador for the *Center for Open Science* (2017–Present)

## Professional Memberships

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Psychonomic Society

Association for Psychological Science

Society for the Improvement of Psychological Science

## Other Contributions

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*Active member of local associations for scientific communication*

Member of the organising team of the 6th edition of *Pint Of Science France*, Grenoble, 2016

Member of the organising team of the 9th edition of the *ArtScienceTechnologie* event, Grenoble, 2015

*Popularization talks*

Et si penser était une action ? *15th cognitive sciences forum, science slam*, Paris, 2016. [\[Slides\]](#)

## Technical Skills

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**Computer skills:** E-prime, OpenSesame, LabChart, Kubios HRV, SPSS, JASP, Git, Github, Matlab, R, RStudio, RMarkdown, LaTeX, Zotero, Mendeley

**Experimental tools:** Electromyography, Electrocardiography

## Languages

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**French:** Native

**English:** Professionnal efficiency

**Dutch:** Novice (A2, in learning)

**Arabic:** Novice (A1, in learning)

## References

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*Available upon request*