

# 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, 2015 – 2019 (expected)  
Thesis title: Psychophysiological characteristics of verbal rumination: basic and clinical aspects  
Supervisors: Pr. Elsa Spinelli (UGA) & Pr. Ernst Koster (UGent)  
Co-supervisors: Dr. Hélène Lœvenbruck (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*

Landy, J. F., Jia, M., Ding I. L., Viganola, D., Tierney, W., ... **Nalborczyk, L.** ... Uhlmann, E. L. (submitted). Crowdsourcing hypothesis tests: Making transparent how design choices shape research results.

**Nalborczyk, L.**, Perrone-Bertolotti, M., Baeyens, C., Grandchamp, R., Spinelli, E., Koster, E.H.W., & Lœvenbruck, H. (under review). Articulatory Suppression Effects on Induced Rumination. [OSF].

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

**Nalborczyk, L.**, Batailler, C., Lœvenbruck, H., Vilain, A., & Bürkner, P.-C. (under review). An Introduction to Bayesian Multilevel Models Using 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., ... **Nalborczyk, L.** ... Marmolejo-Ramos, F. (2018). Manipulating the Alpha Level Cannot Cure Significance Testing. *Frontiers in Psychology*, 9:699. <https://doi.org/10.3389/fpsyg.2018.00699>

**Nalborczyk, L.**, Perrone-Bertolotti, M., Baeyens, C., Grandchamp, R., Polosan, M., Spinelli, E., ... Lœvenbruck, 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*

Løevenbruck, H., Grandchamp, R., Rapin, L., **Nalborczyk, L.**, Dohen, M., Perrier, P., Baciù, 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*. Oxford University Press.

Løevenbruck, H., **Nalborczyk, L.**, Perrone-Bertolotti, M., Baeyens, C., & Grandchamp, R. (in press). Un cas d'incarnation linguistique: implication du système moteur orofacial dans les ruminations mentales. *Recherches sur la philosophie et le langage*, numéro spécial "Cognition incarnée".

## Presentations

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### *Invited Talks*

**Nalborczyk, L.** (2018). How to avoid common misinterpretations of p-values and Bayes Factors. ENTPE seminars, Lyon, France. [[Slides](#)]

### *Conference Talks*

**Nalborczyk, L.** (2018). Using information-theoretic approaches for model selection: moving from explanation toward prediction. Lightning Talk given at the meeting of the Society for the Improvement of Psychological Science, Grand Rapids, MI. [[Slides](#)]

Molto, L., **Nalborczyk, L.**, Palluel-Germain, R. & Morgado, N. (2018). Action-Specific Effects on Distance Perception: A Multilevel Bayesian Meta-Analysis. 7th International Conference on Spatial Cognition, Rome, Italy.

**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*

**Nalborczyk, L.**, Perrone-Bertolotti, M., Baeyens, C., Grandchamp, R., Spinelli, E., Koster, E.H.W., & Løevenbruck, H. (2018). Can articulatory suppression disrupt repetitive negative thinking? The 16th European Workshop on Imagery and Cognition, Padua, Italy. [[PDF](#)]

Molto, L., **Nalborczyk, L.**, Palluel-Germain, R., & Morgado, N. (2018). Action-Specific Effects on Distance Perception: A Multilevel Bayesian Meta-Analysis. The 16th European Workshop on Imagery and Cognition, Padua, Italy. [[PDF](#)]

Løevenbruck, H., Grandchamp, R., Rapin, L., **Nalborczyk, L.**, Dohen, M., Perrier, P., Baciù, M., & Perrone-Bertolotti, M. (2018). A neurocognitive predictive model of willful inner speech production. The Probabilistic Brain Workshop, Durham, England. [\[PDF\]](#)

**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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Batailler, C., & Nalborczyk, L. (2017). *maskr*. R package version 0.0.1, available on [Github](#).

Nalborczyk, L. (2017). *ESTER: Efficient Sequential Testing with Evidence Ratios*. R package version 0.2.0. Available on [CRAN](#).

## Teaching Experience

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### *Workshops*

Introduction to Bayesian Statistical Modelling, with Ivan Grahek, Antonio Schettino & Paul-Christian Bürkner, UGent, 2018

### *Lectures, courses*

Data Analysis, UGA, 2016 (36h)

Introduction to Cognitive Psychology, UGA, 2016 (50h)

Cognitive Psychology, Perception, Action and Categorisation, UGA, 2016 (42h)

Introduction to Bayesian Statistical Modelling, UGA, 2017, 2018 (36h)

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

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

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

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

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

## Fellowships, Grants, and Awards

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FWO travel grant to attend the SIPS 2018 conference (2018)

Grant from the Flemish government to organise a doctoral course on Bayesian statistical modelling (2018)

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

## Academic Services

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Co-organiser of the doctoral school course *Introduction to Bayesian statistical modelling*, June 13th – 15th, 2018, UGent (Belgium)

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

## Professional Memberships

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Psychonomic Society (2017–Present)

Center for Open Science, Ambassador (2017–Present)

Member of the *Psychological Science Accelerator* (2018–Present)

Society for the Improvement of Psychological Science (2017–Present)

## 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

*Popularisation talks*

Et si penser était une action ? *15th cognitive sciences forum, science slam*, Paris, 2016.

## 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 (in learning)

**Arabic:** Novice (in learning)

## References

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*Available upon request*