

# Curriculum Vitae

## Personal information

**Léo Dutriaux**

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## Working Experience

- 2023-Present**      **Assistant Professor**, Laboratoire d'Étude des Mécanismes Cognitifs (EMC), Université Lumière Lyon 2
- 2022-2023**      **Research and Teaching Fellow (ATER)**, Laboratoire sur les Interactions Cognition, Action, Emotion (LICAÉ), Université Paris Nanterre
- 2019-2022**      **Postdoctoral fellow**, under the supervision of Professor Roberto Bottini, University of Trento
- 2017-2019**      **Postdoctoral fellow**, under the supervision of Professor Lawrence W. Barsalou, University of Glasgow
- 2016-2017**      **Postdoctoral fellow**, Memory and Cognition Lab, Sorbonne Paris Cité University, Paris Descartes University

## Education

- 2012-2016**      **PhD in Cognitive Science**  
Sorbonne Paris Cité University, Paris Descartes University  
Supervised by Valérie Gyselinck (IFSTTAR) et Pascale Piolino (Prof. University of Paris)  
(highest mention delivered by the university)  
**Thesis title: Toward embodied spatial models: Memory, posture, and action possibilities**
- 2010-2012**      **Master in Cognitive Science (*Cogmaster*)**, Ecole Normale Supérieure (ENS), Sorbonne Paris Cité University, Paris Descartes University.
- 2007-2010**      **Bachelor in Psychology**, Sorbonne Paris Cité University, Paris Descartes University

## Skills

- IT**      **Programming:** extensive experience with **Python**, good level in **MATLAB**  
**Experimentation software:** E-prime, Psychopy, Qualtrics  
**Statistics software:**  
    **Behavioral data** with R, SPSS, Statistica, Jamovi, JASP  
    **fMRI data** with MATLAB
- Languages**      French (native), English (fluent, TOEIC score = 960), Italian (B2)

## Grants and Awards

- 2025-2030**      **French Research National Agency (grant holder)** – Using Egocentric and Allocentric Spaces to Represent Non-Spatial Knowledge (350 189,41 €, ANR-25-CE28-5463)
- 2012-2015**      **PhD Scholarship** of the French higher education ministry (**€80,000**)  
**Travel Grant** of the Paris Descartes University: Two months in the Erasmus University of Rotterdam, in the Memory Lab, supervised by Diane Pecher and Rolf Zwaan (**€4,000**)

## Teaching

- Tutor (2012-2017)**      Teachings in Cognitive Psychology, Psychometry, Experimental method and Statistics at a bachelor level
- Tutor (2020-2022)**      Teaching in Statistics to PhD students
- Assistant professor**      Teaching in Cognitive Psychology, Cognitive Neuroscience, Experimental method and Statistics at bachelor and master levels

## Other Academic Activities

- 2020-2022**      **Organization of the lab seminars**
- 2020-Now**      **Review Editor** for Frontiers in Psychology
- 2012-2013**      **Organization of the lab seminar**
- 2009-Now**      **Student, post-doc, and professor representative** in 8 different committees at a bachelor, master, doctoral levels, post-doctoral, and professor level from the department to the university scale.
- 2026-Now**      **Members of the Research Ethics Committee** of the University of Lyon

## Outreach Activities

- 2024**      **Participation to the Research festival:** Introduction to memory in a class in primary school.
- 2018**      **In lab initiation of high school students** to get in contact with research
- 2017**      **Participation to the Brain Week:** Introduction to the cognitive science of memory in my former high school.
- 2010-2012**      **Active member** of the student association **Cognivence**, and participation to the **organization** of the 10<sup>th</sup> and 11<sup>th</sup> **French National Cognitive Science Forum**

- Dutriaux, L., & Gyselinck, V.** (2016). Learning is better with the hands free: The role of posture in the memory of manipulable objects. *PLoS ONE*, *11*(7), e0159108
- Dutriaux, L., & Gyselinck, V.** (2016). Cognition incarnée : un point de vue sur les représentations spatiales. *L'Année Psychologique*, *116*(3), 419–465.
- Makowski, D., & **Dutriaux, L.** (2017). Neuropsychia.py: A Python Module for Creating Experiments, Tasks and Questionnaires. *Journal of Open Source Software*, *2*(19)(259), 10–11.
- Barsalou, L. W., **Dutriaux, L.**, & Scheepers, C. (2018). Moving beyond the distinction between concrete and abstract concepts. *Philosophical Transactions of the Royal Society B: Biological Sciences*, *373*(1752), 20170144.
- Lhuillier, S., Gyselinck, V., **Dutriaux, L.**, Grison, E., & Nicolas, S. (2018). “Like a ball and chain”: Altering locomotion effort perception distorts spatial representations. *Journal of Environmental Psychology*, *60*, 63–71.
- Dutriaux, L.**, Dahiez, X., & Gyselinck, V. (2019). How to change your memory of an object with a posture and a verb. *Quarterly Journal of Experimental Psychology*, *72*(5), 1112–1118.
- Tuena, C., Serino, S., **Dutriaux, L.**, Riva, G., & Piolino, P. (2019). Virtual Enactment Effect on Memory in Young and Aged Populations: a Systematic Review. *Journal of Clinical Medicine*, *8*(5), 620.
- Dutriaux, L.**, Nicolas, S., & Gyselinck, V. (2021). Aging and posture in the memory of manipulable objects. *Aging, Neuropsychology, and Cognition*, *28*(1), 26–36.
- de Vega, M., **Dutriaux, L.**, Moreno, I. Z., García-Marco, E., Seigneuric, A., & Gyselinck, V. (2021). Crossing hands behind your back reduces recall of manual action sentences and alters brain dynamics. *Cortex*, *140*, 51–65.
- Dutriaux, L.**, Papies, E. K., Fallon, J., Garcia-Marques, L., & Barsalou, L. W. (2021). Incidental exposure to hedonic and healthy food features affects food preferences one day later. *Cognitive Research: Principles and Implications*, *6*(1), 1-26.
- Dutriaux, L.**, & Gyselinck, V. (2022). The postural effect on the memory of manipulable objects: interference or facilitation?. *Experimental Psychology*, *68*(6), 333-339.
- Dutriaux, L.**, Clark, N. E., Papies, E. K., Scheepers, C., & Barsalou, L. W. (2023). The Situated Assessment Method (SAM2): Establishing individual differences in habitual behavior. *Plos one*, *18*(6), e0286954.
- Lhuillier, S., **Dutriaux, L.**, Nicolas, S., & Gyselinck, V. (2024). Manipulating objects during learning shrinks the global scale of spatial representations in memory: a virtual reality study. *Scientific Reports*, *14*(2656), 1–14.
- Dutriaux, L.**, Xu, Y., Sartorato, N., Lhuillier, S., & Bottini, R. (2024). Disentangling reference frames in the neural compass. *Imaging Neuroscience*, *2*(November 2023), 1–18.
- Dutriaux, L.**, & Bottini, R. (2025). Memory and Representation of Vision-Related Verbs in Early Blind Individuals. *Journal of Cognition*, *8*(1), 1–12.
- Xu, Y., Sartorato, N., **Dutriaux, L.**, & Bottini, R. (in press) Neural Representation of Time across Complementary Reference Frames. *eLife*.