

Camille L. GRASSO

Neuropsychologist & PhD in cognitive neuroscience

Postdoctoral researcher at Cognitive Neuroimaging Unit (UNICOG)

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PROFESSIONAL EXPERIENCE

- 12/02/2023 – present **Post-doctoral researcher** at UNICOG, CEA Joliot, NeuroSpin, CNRS & INSERM, Paris-Saclay. Advisor: Dr. Virginie van Wassenhove (CEA)
- 01/11/2018 – **PhD Student in cognitive psychology and neuroscience** at CRPN (Centre de Recherche en Psychologie et Neurosciences), CNRS, Aix-Marseille University. Co-supervised by Dr. Johannes Ziegler (CRPN), Dr. Marie Montant (CRPN) & Dr. Jennifer Coull (CRPN). LPC, CNRS, Aix-Marseille University
- 05/05/2022
- 01/09/2020 – **ATER – Teaching assistant** – Department of Cognitive Psychology
- 31/08/2022
- 01/10/2016 – **MSc Internship** - Neurology department, Epilepsy and Neurological Malaise Unit, CHU La Tronche (Grenoble), France. Neuropsychological assessments of epileptic patients before and after surgery, and neuropsychological assessments to detect neurodegenerative disorders.
- 31/08/2017
- Research work: Laboratory of Psychology and NeuroCognition (LPNC), University of Grenoble Alpes, France. Co-supervised by Dr. Nathalie Fournet (PhD, LPNC), Lassus (Neuropsychologist), and Christelle Mosca (Neuropsychologist).
- 01/10/2015 – **MSc Internship** - Neurology department, Neurovascular service, CHU La tronche, France. Neuropsychological assessments of patients following brain injury (head trauma, stroke).
- 31/08/2016
- Research work: Laboratory of Psychology et NeuroCognition (LPNC), University of Grenoble Alpes, France. Supervised by Dr. Christopher Moulin (PhD, LPNC).

EDUCATION

- 01/11/2018 – **PhD in cognitive psychology**
- 31/08/2022 Thesis defended the 05 May 2022
- 01/09/2016 – **Master 2 – Neuropsychology**, University of Savoie Mont Blanc, Chambéry, France
- 31/08/2017
- 01/09/2015 – **Master 1 – Cognitive and Social Psychology**, Grenoble Alpes University, Grenoble, France
- 31/08/2016
- 01/09/2012 – **Bachelor degree in Psychologie**, University Grenoble Alpes, Grenoble, France
- 31/08/2015

PUBLICATIONS

- In the pipeline
- 2. Grasso, C. L., Logie, M., & van Wassenhove, V. (in prep.).** Sizing up time: EEG decoding of duration production in virtual environments.
- 1. Grasso, C. L., Nalborczyk, L., & van Wassenhove, V. (in prep.).** From time to time: Geometry and inter-individual unsupervised alignment of durations representations.

Peer-reviewed journal
articles

5. Coretta, S., Casillas, J., ... **Grasso, C. L.** ... & Roettger, T. B. (2023). Multidimensional signals and analytic flexibility: Estimating degrees of freedom in human speech analyses. *Advances in Methods and Practices in Psychological Science*. <https://doi.org/10.31234/osf.io%2Fq8t2k>
4. **Grasso, C. L.**, Ziegler, J. C., Coull, J., & Montant, M. (2022). Embodied time: Effect of reading expertise on the spatial representation of past and future. *PLOS ONE*, 17(10), e0276273. <https://doi.org/10.1371/journal.pone.0276273>
3. **Grasso, C. L.**, Ziegler, J. C., Coull, J., & Montant, M. (2022). Space-time congruency effects using eye movements during processing of past-and future related words. *Experimental Psychology*. <https://doi.org/10.1027/1618-3169/a000559>
2. **Grasso, C. L.**, Ziegler, J. C., Mirault, J., Coull, J. T., & Montant, M. (2022). As time goes by: Space-time compatibility effects in word recognition. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 48(2), 304–319. <https://doi.org/10.1037/xlm0001007>
1. **Grasso, C. L.**, & Montant, M. (2018). Body-blindness in language studies. *L'Année psychologique*, 118(4), 383-388. <https://doi.org/10.3917/anpsy1.184.0383>

SCIENTIFIC COMMUNICATIONS

Invited talks

- Grasso, C. L.** (2022). Contribution of motor processes to the processing of temporal abstract concepts. UNICOG, NeuroSpin, Paris-Saclay, France.
- Grasso, C. L.** (2022). Embodied time: Contribution of motor processes to temporal cognition. Laboratory of Cognitive Neuroscience, EPFL, Geneva, Switzerland.
- Grasso, C. L.**, Ziegler, J. C., Coull, J., & Montant, M. (2019). Space-time compatibility effect in language. Conference talk at « La Journée Rencontres Jeunes Chercheur-ses ». (LPNC), Grenoble, France.
- Grasso, C. L.**, Ziegler, J. C., Coull, J., & Montant, M. (2019). Embodied language: a journey through time and space. Seminar embodiment: the role of body in cognition. Aix-Marseille University, France.

Conference &
Consortium talks

- Grasso C. L.** & van Wassenhove V. (2023). Exploring neural code and intersubjective alignment of time experience. SETCG Early Career Researchers Meeting. London, England.
- Grasso C. L.** & van Wassenhove V. (2023). From time to time: Unsupervised inter-individual alignment of durations representations. EXPERIENCE Consortium meeting. Padova, Italy.
- Grasso, C. L.**, Ziegler, J. C., Coull, J., & Montant, M. (2022). Embodied time: How the abstract concept of time arises from sensorimotor experience. Embodied and situated language processing (ESLP), Lille, France.

Public outreach talk

- Grasso, C. L.**, Ziegler, J. C., Coull, J., & Montant, M. (2019). Embodied Time. NeuroSchool Events. Aix-Marseille University, France.

Scientific posters

- Grasso, C. L.**, Logie, M., & van Wassenhove V. (2024). Decoding the reproduction of durations in size-varying virtual environments. FasT (French Association for timing), Paris-Saclay, France

Nalborczyk, L., & **Grasso, C.** (2024). Modelling timing processes in motor imagery. French association for timing. FasT (French Association for timing), Paris-Saclay, France.

Grasso, C. L., De Ajauro C., Logie. M., & van Wassenhove V. (2023). Sizing up time: EEG decoding of duration production in virtual environments. EEG and MEG methods multi-hub meeting (Cutting Gardens), Lyon, France.

Grasso, C. L., Ziegler, J. C., Coull, J., & Montant, M. (2022). Embodied time: How the abstract concept of time arises from sensorimotor experience. European Society of Cognitive Psychology (ESCoP), Lille, France.

Grasso, C. L., Ziegler, J. C., Coull, J., & Montant, M. (2019). As time goes by: space-time compatibility effects in word recognition. European Society of Cognitive Psychology (ESCoP), Tenerife, Spain.

Workshop WIRED, Workshop on Intracranial Recordings in humans Epilepsy, DBS, at the Institut du Cerveau et de la Moelle épinière, Paris, March 2023

TEACHING (594h)

<u>Bachelor courses</u>	<p>Cognitive Psychology, Department of Psychology, UFR ALLSH</p> <ul style="list-style-type: none"> - 2nd year of bachelor's degree (296h) - 1st year of bachelor's degree (168h) <p>Supervision of research theses (bachelor degree) in Cognitive Psychology, Department of Psychology, UFR ALLSH</p> <ul style="list-style-type: none"> - 3rd year of bachelor's degree (22h) <p>Developmental Psychology and Experimental Methodology, Department of Psychology, UFR ALLSH</p> <ul style="list-style-type: none"> - 3rd year of bachelor's degree, UFR ALLSH (60h)
<u>Master courses</u>	<p>Neurosciences of Emotion and Motivation, Department of Neuroscience & Department of Cognitive Sciences, UFR Science</p> <ul style="list-style-type: none"> - 1st year of master's degree (48h)

RESEARCH WORK SUPERVISION

- Cindy de Ajauro, M2 AIRE life science, Learning Planet Institute, University of Paris Cité, (2023). Currently research engineer at INRIA.
- Coralie Faby, M1 Clinical and developmental psychology, University of Aix-Marseille. (2019)
- Coralie Bertou, M1 Clinical and developmental psychology, University of Aix-Marseille. (2019)
- Benjamin Cassar, M2 Basic and Applied Cognitive Sciences, Lyon 2. (2018)
- Supervision of the research theses of 20 (in total) undergraduate students during their laboratory internships as part of their bachelor's degree program.

RELATED SCIENTIFIC ACTIVITIES

<u>Academic services</u>	
2024	Co-organiser of an international workshop on temporal cognition, as part of the FaST committee (GDR Temps), October 2024, Paris-Saclay, France
2022	Co-organiser of an international workshop on temporal cognition (timecog2022 – Perspectives on temporal cognition), June 2022, Marseille, France.
2018 - 2022	Representative of the PhD students of the Cognitive Psychology Laboratory. Aix-Marseille, France.
2021 - present	Member of the Psychological Science Accelerator
2019 – 2021	Vice-president of the Association of Young Researchers of Federation 3 (AJC3C). Marseille, France.
2018 – 2022	Member of the Committee for Scientific Animation (COAS). Marseille, France.

May 2019 Volunteer at the international conference NeuroFrance. Society for Neuroscience. Aix-Marseille, France.

Public outreach

2019 & 2020 Coordinator of the international festival Pint of Science. Aix-Marseille, France.

2020 Manager of the popular science event NeuroSchool 'Emotionally yours'. Aix-Marseille, France.

REVIEWING ACTIVITIES

Cognition

Journal of Neurolinguistics

Journal of Cognitive Neuroscience

GRANT AND AWARDS

- PhD Thesis Prize of Aix-Marseille University (2023)
- ILCB & FR3C research funding to support the organization of the workshop of temporal cognition (2022), 1200€
- Competitive PhD grant from the French Ministry of Higher Education, Research, and Innovation.

TECHNICAL SKILLS

Methods

Eyetracking, electroencephalography, mental chronometry, multivariate pattern analysis (decoding), representational similarity analysis

Computer tools

Programming: R, Python

Experiment design: OpenSesame, PsychoPy

Electrophysiological signal processing: mne-Python

Statistical modelling: R

Collaborative and reproducible writing: RMarkdown, LATEX, Overleaf, Zotero

Open Science: Github, Open Science Framework, ArXiv, BioRxiv