

Camille L. GRASSO



Neuropsychologist & PhD in Cognitive Neuroscience

at Laboratoire de Psychologie et Neurocognition (LPNC), Grenoble-Alpes University, CNRS, Grenoble, France and Wake Forest University School of Medicine, North Carolina, USA

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PROFESSIONAL EXPERIENCE

- From 01/06/2026 to 30/06/2029** **Post-doctoral researcher - Marie Skłodowska-Curie Global Fellowship** at Wake Forest University School of Medicine, North Carolina, USA. Advisor: Dr. Kenneth Kishida (outgoing phase) and at Laboratoire de Psychologie et Neurocognition (LPNC), Grenoble-Alpes University, CNRS, Grenoble, France. Advisor: Dr. Nathan Faivre (LPNC, returning phase).
Research focus: Investigating the neural and neurochemical mechanisms of temporal perception. The MIND project integrates electrochemical (fast-scan cyclic voltammetry) and electrophysiological (sEEG, EEG, LFPs) approaches to uncover how phasic dopamine fluctuations shape subjective duration.
- Present to 31/05/2025** **Post-doctoral researcher** at Laboratoire de Psychologie et Neurocognition (LPNC), Grenoble-Alpes University, CNRS, Grenoble, France. Advisor: Dr. Nathan Faivre (LPNC).
Visiting researcher (7 months), Wake Forest University School of Medicine, North Carolina, USA. Advisor: Dr. Kenneth Kishida.
Research focus: Electrophysiological (sEEG, LFPs) and electrochemical (fast-scan cyclic voltammetry) correlates of duration of conscious experiences in humans. This work combines research conducted at the LPNC (CNRS, Grenoble) with a 7-month research stay in the USA focused on human voltammetry and intracranial recordings.
- 13/02/2023 – 30/06/2025** **Post-doctoral researcher** at UNICOG, CEA Joliot, NeuroSpin, CNRS & INSERM, Paris-Saclay, France. Advisor: Dr. Virginie van Wassenhove (CEA).
Research focus: Neural representation of duration, combining EEG, multivariate analyses, virtual reality, and representational similarity analysis to investigate contextual and geometric properties of time perception.
- 01/11/2018 – 05/05/2022** **PhD student in cognitive Psychology** at CRPN (Centre de Recherche en Psychologie et Neuroscience), CNRS, Aix-Marseille University. Co-supervised by Dr. Johannes Ziegler (CRPN), Dr. Marie Montant (CRPN) & Dr. Jennifer Coull (CRPN). LPC, CNRS, Aix-Marseille University, France
Research focus: Representation of temporal order and abstract temporal concepts, informed by neural reuse and correlational learning frameworks. Using behavioral and sensorimotor measures, I investigated how temporal order is encoded and structured in human cognition.
- 01/09/2020 – 31/08/2022** **ATER – Teaching assistant** – Department of Cognitive Psychology
- 01/10/2016 – 31/08/2017** **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.

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 – 31/08/2016 MSc Internship - Neurology department, Neurovascular service, CHU La tronche, France. Neuropsychological assessments of patients following brain injury (head trauma, stroke).
Research work: Laboratory of Psychology et NeuroCognition (LPNC), University of Grenoble Alpes, France. Supervised by Dr. Christopher Moulin (PhD, LPNC).

EDUCATION

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

PUBLICATIONS

Pre-print & In the pipeline 10. Logie, M, **Grasso, C. L.**, & van Wassenhove, V. (**submitted**). Nested contextual change and the temporal compression of episodic memory.
<https://www.biorxiv.org/content/10.64898/2026.02.26.708184v1.abstract>
9. **Grasso, C. L.**, Logie, M, Toschi, N, Valenza, G, Gasco Ortiz, V, Alcaniz Raya M. & van Wassenhove. (in prep). The geometry of time: exploring the conceptual and neural representation of duration
8. **Grasso, C. L.**, Logie, M, & van Wassenhove, V. (in prep.). Sizing up time: EEG decoding of duration production in virtual environments
7. **Grasso, C. L.**, Nalborczyk, L., & van Wassenhove, V. (in prep.). Uncovering the representational geometry of durations

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.** (2025). How do we perceive time, and how does the brain encode durations? Réunion Mensuelles de NeuroImageries. Centre IRM, Institut de Neurosciences de la Timone (INT), Marseille, France.

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., Nalborczyk L., & van Wassenhove V.** (2025). Representational dynamics of subjective duration in the human brain. Timing Research Forum (TRF), Tokyo

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.** (2025). Decoding the reproduction of durations in size-varying virtual environments. Timing Research Forum (TRF), Tokyo

Nalborczyk, L., & Grasso, C. (2025). Modelling timing processes in motor imagery. French association for timing. Timing Research Forum (TRF), Tokyo

Logie, M., Grasso, C. L., & van Wassenhove, V. (2025) Nested contextual change and the temporal compression of episodic memory. Cognitive Neuroscience Society (CNS), Boston, USA.

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.

Logie, M., Grasso, C. L., & van Wassenhove, V. (2024) Nested contextual change and the temporal compression of episodic memory. 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 (616h)

All levels (master, PhD, Postdoc, permanent researcher) **Decoding EEG/MEG signals using MNE python (4h)**, UNICOG, NeuroSpin, CEA Paris-Saclay

Bachelor courses **English**, MIASH, UFR SHS, UGA, Grenoble
- 1st year of bachelor's degree (18h)
Cognitive Psychology, Department of Psychology, UFR ALLSH
- 2nd year of bachelor's degree (296h)
- 1st year of bachelor's degree (168h)

Supervision of research theses (bachelor degree) in Cognitive Psychology, Department of Psychology, UFR ALLSH
- 3rd year of bachelor's degree (22h)

Developmental Psychology and Experimental Methodology, Department of Psychology, UFR ALLSH
- 3rd year of bachelor's degree, UFR ALLSH (60h)

Master courses **Neurosciences of Emotion and Motivation**, Department of Neuroscience & Department of Cognitive Sciences, UFR Science
- 1st year of master's degree (48h)

RESEARCH WORK SUPERVISION

- o Igor Gornostaev, M1 research in cognitive science, UGA. (2025)
- o Gautier Artru, M2 Central Supélec, Paris-Saclay University. (2024)
- o Cindy de Ajauro, M2 AIRE life science, Learning Planet Institute, University of Paris Cité. Currently research engineer at INRIA. (2023)
- o Coralie Faby, M1 Clinical and developmental psychology, University of Aix-Marseille. (2019)
- o Coralie Bertou, M1 Clinical and developmental psychology, University of Aix-Marseille. (2019)
- o Benjamin Cassar, M2 Basic and Applied Cognitive Sciences, Lyon 2. (2018)
- o Supervision of the research theses of 20 undergraduate students during their laboratory internships as part of their bachelor's degree program. (2018-2023)

RELATED SCIENTIFIC ACTIVITIES

Academic services

2024-now Member of the Journal Club Gender Equity

2024-now Member of the scientific board of FaST (French association for the Study of Time)

- 2024 Co-organiser of an international workshop on temporal cognition, as part of the FaST committee, 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

- **Marie curie globale post-doctorale fellowship ~ €440 000** - Multiscale Investigation of the Neural and electrochemical correlates of temporal Distortions – MIND (2026)
- **Neurodis Mobility Grant - Fondation Neurodis (2025)**. Competitive mobility fellowship supporting a 7-months research stay at Wake Forest University Health Sciences (USA), **~€10,000**.
- **Seal of Excellence Award** from the European Commission Horizon Europe for the project Multiscale Investigation of the Neural and electrochemical correlates of temporal Distortions – MIND (2024)
- **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, surface and intracranial electroencephalography, human fast scan cyclic voltammetry, mental chronometry, multivariate pattern analysis (decoding), representational similarity analysis

Computer tools

Programming: R, Python, JavaScript

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