

## 1. Personal details and the date of the CV

- Expósito de Mäki-Marttunen
- Verónica
- Researcher ID (ORCID): 0000-0002-8527-091X
- Date of the CV: October 2025

## 2. Degrees

Year	Title	Institution
2015	PhD in Biological Sciences	University of Buenos Aires, Argentina
2011	Specialist in Data Mining and Knowledge Discovery	University of Buenos Aires, Argentina
2009	Eq. Master in Biological Sciences specializ. on Animal Morphology and Physiology	University of Buenos Aires, Argentina

## 3. Other education and expertise

## 4. Language skills

- Native language: **Spanish**
- Other language skills: **English**: fluent; **Norwegian**: advanced (C1, NORA0140, University of Oslo); **Dutch**: basic (A1, Dutch 1, Talecentrum, Leiden University); **Finnish**: basic (family).

## 5. Current employment

Year	Position	% employment	Name of institution
2022-	Postdoc	100	Precision Psychiatry Unit, Oslo University Hospital, Oslo, Norway

- Stage of the academic research career: II

## **6. Previous work experience**

Year		Position held	Name of institution
From	To		
2020	2022	Postdoc	Psychology Institute, Leiden University, Netherlands
2019	2019	Lecturer	Psychology Institute, University of Oslo, Norway
2015	2018	Postdoc	Psychology Institute, University of Oslo, Norway
2010	2015	PhD	FLENI (Foundation for the Fight against Pediatric and Neurological Disease), Argentina
2006	2009	Laboratory Assistant	Faculty of Agronomy, Department of Biochemistry, University of Buenos Aires, Argentina
2005	2006	Laboratory Assistant	Environmental Laboratory LAIA S.A., Buenos Aires, Argentina
2003	2005	Administrative assistant	Cooperative of Credits Premium Ltda, Buenos Aires, Argentina

## **7. Career breaks**

*March 2021-August 2021 Maternal leave*

*March 2023-August 2023 Maternal leave*

## **8. Research funding and grants**

- 2022 Funding from EuroScholars programme. Role: main supervisor.
- 2019 Seal of Excellence of Marie Skłodowska-Curie Actions Individual Fellowships (MSCA-IF). Role: main applicant.
- 2012-2016 Scientific research visit. Host: Kaisa Hartikainen, Behavioral Neurology Research Unit, Tampere University Hospital, Tampere, Finland. Amount: 3600 euros. Funding from CIMO, Finland (TM-12-8552). Role: main applicant.
- 2010-2015 Scholarship for PhD program granted by National Scientific and Technical Research Council (CONICET), Argentina. Role: main applicant.
- 2011 Scholarship for attending the ACNS Summer School on Computational Neuroscience held in Poland, 2011. Role: main applicant.

## **9. Research output**

- Total number of peer-reviewed publications: 20, of which 15 are first author, 2 are single author, and 1 is senior author.
- Methods, software, infrastructures, materials, guides and tools developed:  
BrainWaves Toolbox (github)

## **10. Research supervision and leadership experience**

<b>Year</b>	<b>Name of student</b>	<b>Program</b>		<b>Institution</b>	<b>Title of the thesis</b>
2025-	Anne-Gro Parnemann	PhD	Co-supervisor	University of Oslo, Norway	The Thalamus in Functional Neurological Disorder
2021-2022	Beth Lloyd	PhD	Co-supervisor	Leiden University, Netherlands	The impact of arousal on learning and memory
2021	Nada Amekran	Master	Main supervisor	University of Amsterdam, Netherlands	The neuromodulatory role of dopamine, serotonin, and norepinephrine in working memory deficits in schizophrenia
2021	Alexandra Felea	Master	Co-supervisor	Leiden University, Netherlands	Attention is in the eye of the beholder. An investigation of the relationship between attentional lapses and pupil size
2018	Michelle Antal	Master	Co-supervisor	University of Oslo, Norway	Locus coeruleus-Norepinephrine neuromodulation influences brain integration during attentional effort: An fMRI study

## **11.Teaching merits**

- Pedagogical training and other demonstrated pedagogical expertise:
- Course: Research supervision. LINK – Centre for Learning, Innovation & Academic Development, University of Oslo (30 hours course credit).
- Course: Teaching Critical Reflection to engage students. LINK – Centre for Learning, Innovation & Academic Development, University of Oslo (30 hours course credit).
- Course: *Teaching and Learning in Higher Education*, Faculty of Educational Sciences, University of Oslo, Norway (150 hours course credit)
  - Research-based and collaborative development of teaching and teaching methods:
- Collaborative development of seminar PSYC2230 in the masters programme on Cognitive Neuroscience (2019).
  - Teaching experience in general:
- 2025 Teaching duties as part of the postdoc position: lecturing for the professional program at the Medicine Faculty. Department of Basic Medicine, University of Oslo.
- 2024 Organizer of Workshop "Workshop "Basics of ChatGPT-4 Advanced Data Analysis" as part of the Digital Scholarship Days, University of Oslo, 8-12 January 2024, Oslo, Norway.
- 2022 Teaching assistant at EEG practicals for Experimentation 2: Neuroscientific Research Methods, master level course, Cognitive Psychology, Faculty of Social and Behavioral Sciences, Leiden University
- 2022 Guest lecturer at BBT.HTI.506 (Measurements of Physiological Systems course), Tampere University. Lecture on EEG, principles and applications.
- 2021-2022 Internal reviewer for master theses: Maximiliane Peters and Merlin Radbruch. Faculty of Behavioral and Social Sciences, Leiden University
- 2019 Position as University Lecturer, Department of Psychology, University of Oslo. Lecturing in courses in the bachelor and Cognitive Neuroscience master programs.
- 2015-2017 Teaching duties as part of the postdoc position: lecturing for the professional program on clinical Psychology and the master program on Cognitive Neuroscience. Department of Psychology, University of Oslo
- 2017 Internal reviewer for master thesis: Mari Messel, Department of Psychology, University of Oslo, Norway

## **12. Awards and honours**

- Nomination Best Teacher Award (2019)
- Best Poster Award received from Computational Neuroscience Society in the Annual Meeting of 2013, Paris, France (2013)

## **13. Other key academic merits**

- 2025- **Member of European Cooperation in Science and Technology (COST)**  
**Action:** Advancing human brainstem MRI and its application in clinical research and practice (CA24118).
- 2025 **Organizer of symposium:** "Brain activity propagation: elucidating origins, mechanisms, and significance" and **Oral presentation:** "Effects of neuromodulatory activity on infra-slow brain travelling waves: a pharmacology-fMRI-pupilometry study". Annual meeting of the Organization for Human Brain Mapping, June 24-28<sup>th</sup>, Brisbane, Australia.
- 2024 **Oral presentation:** "Effects of neuromodulatory activity on the behavior of brain travelling waves". BrainNet workshop, 13-15 May, Stockholm, Sweden.
- 2024 **Oral presentation:** "Security issues of LLMs when working with research data" at Nora SIG AI Security, Norway.
- 2023 **Abstracts reviewer**, OHBM conferences.
- 2023 **External reviewer** of grants, Natural Sciences and Engineering Research Council of Canada.
- 2021 **Organizer of symposium** "Imaging the brainstem: approaches, challenges and opportunities." and **Oral presentation:** "Imaging brainstem structures: Methodological Aspects". Annual meeting of the Organization for Human Brain Mapping (virtual).
- 2019 **Evaluation committee member** for PhD position at the Cognitive Section of the Department of Psychology, University of Oslo.
- 2016 **Oral presentation:** "Pronounced Influence of Relevant Threat on Attention Allocation Due to Orbitofrontal Lesion". 11 World Congress on Brain Injury, International Brain Injury Association (IBIA), San Francisco, CA
- 2013 **Oral presentation:** "Brain functional connectivity in patients with disorders of consciousness: towards novel dynamical approaches". XXVIII Annual meeting Argentine Society for Neuroscience
- 2013-2025 **Reviewer** for journals Neuroimage, Human Brain Mapping, PNAS, Neuropsychopharmacology, Cerebral Cortex, Brain Sciences, Social, Cognitive and Affective Neuroscience, Neuropsychologia, Frontiers in Aging Neuroscience, Journal of Neurology, International Journal of Psychophysiology, Journal of Cognition.

## **14. Scientific and societal impact**

- Code share through Git-Hub repository: <https://github.com/VeronicaMaki-Marttunen>
- Co-organizer of the II Annual Retreat of the Cognitive Psychology Unit at Leiden University.
- Data share collaboration with Falk Lieder (Max Planck Research Group Leader for Rationality Enhancement, MPI for Intelligent Systems, Tübingen, Germany).
- Supervision of final project of two high-school students (profielwerkstuk) on fMRI and memory. Leiden, Netherlands. 2021.
- Blog post: Hva skjer når hjernen blir overbelastet? Mäki-Marttunen, V. 2018 Forskning.no <https://forskning.no/stress-forskeren-forteller-hjernen/hva-skjer-nar-hjernen-blir-overbelastet/1189491>
- Blog post: Tracing consciousness down to the cell. Mäki-Marttunen, V. 2022 Leiden Psychology Blog. <https://www.leidenpsychologyblog.nl/articles/tracing-consciousness-down-to-the-cell>

## **15. Other merits**

- Literary production: Contribution to Anthology of Microfiction "Te cuento en breve: Concurso de microrelatos", 2025. Editorial House La Rueca, Argentina.  
*Participating contribution received a special mention.*