

# Marco Calabria

Personal webpage      marcocalabria.cat

RESEARCHERID



B-4529-2012  
0000-0003-4373-1316

## Work Experience

---

December 2019 to date| Associate Professor of Neuropsychology at Universitat Oberta de Catalunya, Barcelona

Nov 2014 –Nov 2019| Ramón y Cajal Research fellow at Pompeu Fabra University, Barcelona

Jan 2014-Oct 2014| Post-doc position (AThEME Project- FP7 European Programme) at Pompeu Fabra University, Barcelona - Speech Production and Bilingualism (SPB) (Prof. Albert Costa)

Jun 2009 – Dec 2013| Postdoc position (Juan de la Cierva Fellowship from 2011) at Pompeu Fabra University, Barcelona - Speech Production and Bilingualism (SPB) (Prof. Albert Costa)

Apr 2004 – Apr 2006| Research Assistant in Neuropsychology and Neurophysiology of Aging and Dementia at IRCCS Centro S. Giovanni di Dio-FBF, Brescia (Italy), Neurophysiology and Neuropsychology Lab (Dr. M. Cotelli and Prof. C. Miniussi)

## Teaching Experience

---

February 2018| Accreditation of Tenure-track lecturer (AQU Catalunya)

June 2020| Accreditation of Associate Professor (AQU Catalunya)

Decembre 2019 to date|

MSc in Neuropsychology: Neuropsychological of language, Neuropsychological assessment, Aging and Dementia, Neuropsychology of attention and executive functions

BA in Speech and Language Therapy: Anatomy and physiology of the nervous system, Neurodegenerative diseases and dementia

2018- 2019| *Neuroscience of Language (20 hr)* – Master in Brain and Cognition at Pompeu Fabra University (Barcelona, Spain)

20 June 2019| *Bilingualism and Neuropsychology* – Workshop at the University of Reading with Prof. Arpita Bose

2018 to 2019| *Neurocognitive bases of Learning and Language*, MSC in Learning Difficulties and Language Disorders at Universitat Oberta de Catalunya (Barcelona, Spain)

2017 to 2019|

*Psychology* (13 hours), BA in Medicine at Pompeu Fabra University (Barcelona, Spain)

*Psychology* (6 hours), BA in Human Biology at Pompeu Fabra University (Barcelona, Spain)

*Psychology and Psychopathology* (6 hours), BA in Criminology at Pompeu Fabra University (Barcelona, Spain)

November 2016| *Cognitive assessment of language* (2 hours), MSc in Neuropsychological Rehabilitation and Cognitive Stimulation at Institut Guttmann (Barcelona, Spain)

2012-2016| *Cognitive Neuroscience* (2 hours), MSc in Neurosciences at Pompeu Fabra University, Barcelona (Barcelona, Spain)

June 2012| *Language representation and control in bilinguals* (2 hours), MSc in Cognition, Brain and Language at Pompeu Fabra University (Barcelona, Spain)

May 2010| *Methodological issues and data analysis in Cognitive neuroscience with ERPs* (20 hours), BA in Psychology at the University of Padua (Italy)

April 2009| *Methodological issues and data analysis in Cognitive neuroscience with ERPs and TMS* (20 hours), BA in Psychology at the University of Padua (Italy)

## **Education**

---

April 2009| Ph.D. in Psychobiology at University of Padua (Italy), Department of General Psychology. Thesis title: "Memory for faces and proper names: episodic and semantic aspects". Supervisor: Prof. Patrizia Silvia Bisiacchi

2004-2005| Master's Degree in Statistics (Biostatistics and Epidemiology) at the University of Milano Bicocca (Italy).

December 2002| Bachelor's Degree in Experimental Psychology at the University of Padua (Italy). Title of the final dissertation: "ERP components in early processing of faces".

## **Research experiences abroad**

---

November 2022| Visiting researcher at the Department of Psychology and Clinical Language Sciences, University of Reading (Research Connections call, UOC)

Sept.-Dec. 2008| Visiting predoctoral training at INSERM U534, Lyon, France (Prof. Y. Rossetti). Main topic of research: temporal representation in patients with spatial neglect.

March 2003 – Sept. 2003| Post-Lauream Internship at INSERM U534, Lyon, France (Prof. Y. Rossetti). Main topic of research: prism adaptation in the rehabilitation of spatial neglect.

Jan. 2001 – Sept. 2001| Erasmus-Socrates Program. Université Catholique de Louvain (UCL), Belgium. Courses in Neuropsychology (Prof. X. Seron, M.P. Noel) and EEG Lab Training (Dr. B. Jemel).

## **Training**

---

2021-22 Continuing professional development Certificate in Community Engaged Research and Learning, TU Dublin (Ireland)

Nov. 2018 On-line course on "Emerging methodology of learning in academia", Pompeu Fabra University (Barcelona, Spain)

Sept. 2018 Summer School Visceral Mind at the University of Bangor, UK.

June 2017 Introduction to R- Summer School in Survey Methodology at Pompeu Fabra University, Research and Expertise Centre for Survey Methodology, Barcelona, Spain.

July 2016 Learning from Your Mistakes? Errorless Learning in Amnesia and Dementia by Roy Kessels at the International Neuropsychological Society Meeting, London, UK.

- Goal-Oriented Cognitive Rehabilitation for People with Early-Stage Dementia by Linda Clare at the International Neuropsychological Society Meeting, London, UK.
- July 2013 Workshop 'A diffusion model analysis of cognitive flexibility in children' at the University of the Balearic Islands (UIB), Palma de Mallorca (Spain)
- Dec. 2007 Brainvision Analyzer Workshop at IRCCS in Brescia, Italy
- July 2007 Summer School in Statistics at Residential Center in Bertinoro, Italy (Prof. M Gallucci, University of Milan). Generalized linear model for nonlinear, direct, and indirect effects. Theory, application, and implementation with SAS.
- May 2007 Summer School 'Transcranial Magnetic Stimulation' at Institute of Cognitive Neuroscience UCL, London.
- Sept. 2003 - March 2003
- Post-Lauream Internship at IRCCS Centro S.Giovanni di Dio-FBF in Brescia, Italy, *Neurophysiology Lab* (Prof. Carlo Miniussi). *Main topics of research*: TMS and cognitive rehabilitation in ageing and dementia

---

### Language Skills

- **Italian:** native language
- **English:** high proficiency level (C1)
- **Spanish:** high proficiency level (C1)
- **Catalan:** high proficiency level (C2)
- **French:** upper intermediate level

---

### Participation in Grants

Funding Institution: Agencia Estatal de Investigación (AEI)  
 Title: BILingualism In Age-Related Disorders: from cognition to neural networks (BILiARD)  
 From: September 2024 to: February 2027  
 Principal Investigator: Dr. Marco Calabria  
 Total: 85 625 Euros + 1 PhD fellowship

Funding Institution: Fundació 'la Caixa'  
 Title: Dramatizing health: the role of the theater for emotional, social and cognitive well-being  
 From: September 2024 to: September 2026  
 Principal Investigator: Dr. Marco Calabria  
 Total: 88 000 Euros

Funding Institution: Agencia Estatal de Investigación (AEI) and Fondo Europeo de Desarrollo Regional (FEDER)  
 Title: The Mozart Effect on memory in patients with cognitive decline (MEM-COG)  
 From: September 2021 to: February 2025  
 Principal Investigator: Dr. Marco Calabria  
 Total: 54 450 Euros + 1 PhD fellowship

Funding Institution: Universitat Oberta de Catalunya  
 Title: Understanding the neuroprotective role of bilingualism using advanced MRI analysis (Proof of concept)  
 From: January 2023 to: December 2023  
 Principal Investigator: Dr. Ferran Prados Carrasco  
 Total: 6 000 Euros

Funding Institution: Agencia Estatal de Investigación (AEI) and Fondo Europeo de Desarrollo Regional (FEDER)  
Funded Institution: Pompeu Fabra University, Barcelona, Spain  
Title: Red Albert Costa sobre Efectos de Lengua Extranjera Relacionados con la Aculturación – Red ACELERA (RED 2018-102615-T)  
From: January 2020 to: December 2022  
Principal Investigator: Dr. Jon Andoni Duñabeitia  
Total: 15 000 Euros

Funding Institution: Agencia Estatal de Investigación (AEI) and Fondo Europeo de Desarrollo Regional (FEDER)  
Funded Institution: Pompeu Fabra University, Barcelona, Spain  
Title: Two languages under control: the conflict of bilingual brain (CONTBIL, PSI 2017-87784-R)  
From: January 2018 to: January 2020  
Principal Investigator: Dr. Marco Calabria  
Total: 31 460 Euros

Funding Institution: Ministerio de Economía, Industria y Competitividad, Spanish Government  
Funded Institution: Pompeu Fabra University, Barcelona, Spain  
Title: Episodic and semantic memory in bilingual minds (MEMOBIL, PSI2014-52210-P)  
From: January 2015 to: December 2017  
Principal Investigator: Dr. Marco Calabria  
Total: 30 900 Euros

Funding Institution: Foundation 'La Marató-TV3'  
Funded Institution: Pompeu Fabra University, Barcelona, Spain  
Title: Bilingualism as a contributor to cognitive reserve in healthy and pathological aging (935422602)  
From: March 2015 to: December 2018  
Principal Investigators: Prof. Albert Costa and Prof. Cesar Avila  
Total: 295 136 Euros

Funding Institution: Ministerio de Economía, Industria y Competitividad, Spanish Government  
Funded Institution: Universitat Pompeu Fabra, Barcelona, Spain  
Title: Ramón y Cajal Programme (RYC-2013-14013)  
From: November 2014 to: October 2019  
Principal Investigators: Dr. Marco Calabria  
Total: 40 000 Euros

Funding Institution: European 7th Framework Programme  
Funded Institution: Pompeu Fabra University, Barcelona, Spain  
Title: Advancing The European Multilingual Experience – AThEME (613465)  
From: March 2014 to: March 2019  
Principal Investigator: Prof. Lisa Lai-Shen Cheng (University of Leiden, The Netherlands)  
Total: 315 851 Euros

Funding Institution: IMSERSO, Department of Aging, Spanish Government  
Funded Institution: Pompeu Fabra University, Barcelona, Spain  
Title: Recognition of faces and voices in Alzheimer's disease (48/2010)  
From: January 2011 to: March 2012  
Principal Investigator: Prof. Albert Costa  
Total: 34 000 Euros

Funding Institution: Ministerio de Educación y Ciencia, Spanish Government  
Funded Institution: Pompeu Fabra University, Barcelona, Spain

Title: On the active role of comprehenders during second language sentence comprehension: anticipation, integration and inference processes (PSI2011-23033)

From: 2011 to: 2014

Principal Investigator: Prof. Albert Costa

Total: 93 000 Euros

## List of publications

Type of publication	Number
Articles in peer-reviewed scientific journals (published)	58
Book Chapters	5
Publications with external evaluation from conferences	4
Scopus H index: 30    Number of citations: 2, 620 (Scopus), 3,963 (Google Scholar)	

Document & citation trends



1. Sainz-Pardo, M. Hernández, M., Suades, A., Juncadella, M., Ortiz-Gil, J., Ugas, L., Sala, I & Lleó, A., & **Calabria, M.** (under review). Can bilingualism impact the lexical access of patients with neurodegenerative diseases?
2. Pliatsikas, C., Antoniou, M., Duñabeitia, J. A., & **Calabria, M.** (2025). A Comprehensive Protocol to Study the Effects of Multilingualism on Cognition and the Brain in Patients with Progressive Neurological Diseases. *MethodsX*, 14, 103343. <https://doi.org/10.1016/j.mex.2025.10334>
3. **Calabria, M.**, Ciongoli, F., García-Sánchez, C., Del Mar Bonnin, C., Pascual Sedano, B., Kulisevsky, J., Ferriz Roure, T., & Macip, S. (2025). Efficacy of a theatre-based intervention in patients with Parkinson's disease. *Arts & Health*, 1–17. <https://doi.org/10.1080/17533015.2025.2488361>
4. **Calabria, M.**, Suades, A., Juncadella, M., Ortiz-Gil, J., Ugas, L., Sala, I., & Lleó, A. (2025). Dissociating language switching from executive control in bilinguals with MCI. *Cortex*, 183, 290-303. <https://doi.org/10.1016/j.cortex.2024.11.020>
5. Grunden, N., **Calabria, M.**, Garcia-Sanchez, C., Pons, C., Arroyo, J. A., Gómez-Ansón, B., García, M. C., Belvis, R., Morollón, N., Carcedo, M. C., Isabel, M., Pomar, V., Domingo, P. (2024). Evolving Trends in Neuropsychological Profiles of Post COVID-19 Condition: A 1-Year Follow-up in Individuals with Cognitive Complaints. *PLoS ONE* 19(8): e0302415.
6. **Calabria, M.**, Gallo, F., & Kiran, S. (2024). *Introduction: Clinical aspects of bilingualism research in adults. Bilingualism: Language and Cognition*, 27 (2), 215 - 216.
7. **Calabria, M.** (2024). Cross-language interference in bilinguals with neurodegenerative

diseases. *Bilingualism: Language and Cognition*, 27 (2), 217 - 228.

8. Voits, T., Rothman, J., Aguirre, N., Cattaneo, G., **Calabria, M.**, Víctor, C., Hernández, M., Juncadella Puig, M., Marín-Marín, L., Robson, H., Suades, A., Costa, A., & Pliatsikas, C. (2024). Hippocampal adaptations in Mild Cognitive Impairment patients are modulated by bilingual language experiences. *Bilingualism: Language and Cognition*, 27 (2), 263 - 273.
9. **Calabria, M.**, Ciongoli, F., Grunden, N., Ordás, C. & García-Sánchez, C. (2023). Background music and memory in Mild Cognitive Impairment: the role of interindividual differences. *Journal of Alzheimer's disease*, 92(3), 815-829.
10. **Calabria, M.**, García-Sánchez, C., Grunden, N., Pons, C., Arroyo, J. A., Gómez-Anson, B., Estévez García, M. C., Belvís, R., Morollón, N., Vera Igual, J., Mur, I., Pomar, V., & Domingo, P. (2022). Post-COVID-19 fatigue: the contribution of cognitive and neuropsychiatric symptoms. *Journal of Neurology*, 269(8), 3990-3999.
11. García-Sánchez, C., **Calabria, M.**, Grunden, N., Pons, C., Arroyo, J. A., Gómez-Anson, B., Lleó, A., Alcolea, D., Belvís, R., Morollón, M., Mur, I., Pomar, V., & Domingo, P. (2022). Neuropsychological deficits in patients with cognitive complaints after COVID-19. *Brain and Behavior*, e2508. <https://doi.org/10.1002/brb3.2508> [Top cited paper 2022 of Brain and Behavior]
12. **Calabria, M.**, Pérez-Pérez J., Martínez-Horta S., Horta-Barba A., Carceller M., Kulisevsky J., & Costa A. (2021). Language reconfiguration in bilinguals: a study with Huntington's disease patients. *Linguistic Approaches to Bilingualism*, 11:(4), 459–483.
13. **Calabria, M.** (2021). On the semantic optimum and contexts. *Bilingualism: Language and Cognition*, 1–2. <https://doi.org/10.1017/S1366728921000419>
14. Piazza, G., **Calabria, M.**, Semenza, C., & Poletto, C. (2021). Processing of semantic and grammatical gender in Spanish speakers with aphasia. *Aphasiology*, 1-22.
15. **Calabria, M.**, Jefferies, E., Sala I., Morenas-Rodríguez, E., Illán-Gala, I., Montal, V., Fortea, J., Lleó, A., & Costa, A. (2021). Multilingualism in semantic dementia: language-dependent lexical retrieval from degraded conceptual representations. *Aphasiology*, 35 (2), 240-266.
16. Grunden, N., Piazza, G., García-Sánchez, C. & **Calabria, M.** (2020). Voluntary Language Switching in the Context of Bilingual Aphasia. *Behavioral Science*, 10(9):E141.
17. **Calabria, M.**, Grunden, N., Iaia, F., & García Sánchez, C. (2020). Interference and facilitation in phonological encoding: two sides of the same coin? Evidence from bilingual aphasia. *Journal of Neurolinguistics*, 56, 100935.
18. **Calabria, M.**, Hernández, M., Cattaneo, G., Suades, A., Serra, M., Juncadella, M, Reñé, R., Sala, I., Lleó, A., Ortiz-Gil, J., Ugas, L., Ávila, A., GómezRuiz, I., Ávila, C., & Costa, A. (2020). Active bilingualism delays the onset of mild cognitive impairment. *Neuropsychologia*, 146, 107528.
19. Costumero, V., Marín Marín, L., **Calabria, M.**, Belloch, V., Escudero, J., Baquero, M., Costa, A., Parcet, M.A., & Ávila, C. (2020). A cross-sectional and longitudinal study on the protective effect of bilingualism against dementia, *Alzheimer's Research & Therapy*, 12: 11.
20. Cattaneo, G., Costa A., Gironell, A., & **Calabria, M.** (2019). On the Specificity of Bilingual Language Control: A Study with Parkinson's Disease Patients. *Bilingualism: Language and Cognition*, 23(3), 570-578.

21. **Calabria, M.**, Grunden, N., Serra, M., García Sánchez, C., & Costa, A. (2019). Semantic processing in bilingual aphasia: evidence of language dependency, *Frontiers in Human Neuroscience*, 13: 205.
22. Timmer, K., **Calabria, M.**, & Costa, A. (2019). Non-linguistic effects of language switching training. *Cognition*, 182, 14-24.
23. Timmer, K., **Calabria, M.**, Branzi, F., Baus, C., & Costa, A. (2019). On the reliability of switching costs across time and domains. *Frontiers in Psychology*, 9:1032.
24. **Calabria, M.**, Costa, A., Green, D., & Abutalebi, J. (2018). Neural basis of Bilingual Language Control. *Annals of the New York Academy of Sciences*, 1426, 221–235.
25. Branzi, F.M., **Calabria, M.**, Gade, M., Fuentes, L.J., & Costa, A. (2018). On the bilingualism effect in task switching. *Bilingualism: Language and Cognition*, 21, 195-208.
26. Principe, A., **Calabria, M.**, Tauste, A., Cruzat, J., Conesa, G., Costa, A., & Rocamora, R. (2017). Whole network, temporal and parietal lobe contributions to the earliest phases of language production. *Cortex*, 95, 238-247.
27. Baus C., Bas, J., **Calabria, M.**, & Costa, A. (2017). Speak my language and I will remember your face better: An ERP study. *Frontiers in Psychology*, 8:709.
28. **Calabria, M.**, Cattaneo, G., & Costa, A. (2017). It is time to project into the future: a Special Issue on bilingualism in healthy and pathological aging. *Journal of Neurolinguistics*, 43, 1-3.
29. **Calabria, M.**, Cattaneo, G., Marne, P., Hernández, M., Juncadella, M., Gascón-Bayarri, J., Sala, I., Lleó, A., Ortiz-Gil, J., Ugas, L., Blesa, R., Reñé, R., & Costa, A. (2017). Language deterioration in bilingual Alzheimer's disease patients: a longitudinal study. *Journal of Neurolinguistics*, 43, 59-74.
30. Branzi, F.M., **Calabria, M.**, Boscarino, M.L., & Costa, A. (2016). On the overlap between bilingual language control and domain-general executive control. *Acta Psychologica*, 166, 21-30.
31. Costa A., Hernández, M., & **Calabria, M.** (2015). On invisibility and experimental evidence. *Bilingualism: Language and Cognition*, 18, 25-6.
32. **Calabria, M.**, Branzi, F.M., Marne, P., Hernández, M., & Costa, A. (2015). Age-related effects over bilingual language control and executive control. *Bilingualism: Language and Cognition*, 18 (65), 65-78.
33. Cattaneo, G., **Calabria, M.**, Marne, P., Gironell, A., Abutalebi, J., & Costa, A. (2015). The role of executive control in bilingual language production: a study with Parkinson's disease individuals. *Neuropsychologia*, 66, 99-110.
34. **Calabria, M.**, Marne, P., Romero-Pinel, L., Juncadella, M., & Costa, A. (2014). Losing control of your languages: a case-study. *Cognitive Neuropsychology*, 31(3), 266-86.
35. **Calabria, M.**, Sabio, A., Martin, C., Hernandez, M., Juncadella, M., Reñé, R., Ortiz, J., Ugas, L. & Costa, A. (2012). The missing link between faces and names: evidence from Alzheimer's disease patients. *Brain and Cognition*, 80, 250-6.
36. Costa, A., **Calabria, M.**, Marne, P., Hernández, M., Juncadella, M., Lleó, A., Ortiz-Gil, J., Ugas, L., Blesa, R., & Reñé, R. (2012). On the parallel deterioration of bilinguals' two languages: Evidence from Alzheimer's disease. *Neuropsychologia*, 50, 740-53.

37. Cotelli, M., **Calabria, M.**, Manenti, R., Rosini, S., Maioli, C., Zanetti, O., & Miniussi, C. (2012). Brain stimulation improves associative memory in an individual with amnesic mild cognitive impairment. *Neurocase*, 18(3), 217-23.
38. **Calabria, M.**, Hernández, M., Branzi, F.M., & Costa, A. (2012). Qualitative differences between bilingual language control and executive control: evidence from task switching. *Frontiers in Psychology*, 2, 399.
39. **Calabria, M.**, Hernández, M., Martin, C.D., & Costa, A. (2011). When the tail counts: the bilingualism advantage through the ex-Gaussian analysis. *Frontiers in Psychology*, 2, 250.
40. **Calabria, M.**, Jacquin-Courtois, S., Miozzo, M., Rossetti, Y., Padovani, A., Cotelli, M. & Miniussi, C. (2011). Time perception in spatial neglect: a distorted representation? *Neuropsychology*, 25(2), 193-200.
41. **Calabria, M.**, Manenti, R., Rosini, S., Zanetti, O., Miniussi, C. & Cotelli, M. (2011). Objective and subjective memory deficits in elderly adults: a revised version of Everyday Memory Questionnaire. *Aging clinical and experimental research*, 23 (1), 67-73.
42. **Calabria, M.**, Manenti, R., Rosini, S., Calabria, M., Brambilla, M., Zanetti, O., & Miniussi, C. (2010). Action and object naming in physiological aging: an rTMS study. *Frontiers in Aging Neuroscience*, 2, 151.
43. Cotelli, M., **Calabria, M.**, Manenti, R., Rosini, S., Zanetti, O., Cappa, S.F., & Miniussi, C. (2010). Improved language performance in Alzheimer's disease following brain stimulation. *Journal of Neurology, Neurosurgery & Psychiatry*, 82(7), 794-797.
44. Manenti, R., Cotelli, M., **Calabria, M.**, Maioli, C., & Miniussi, C. (2010). The role of the dorsolateral prefrontal cortex in retrieval from long-term memory depends on strategies: a repetitive transcranial magnetic stimulation study. *Neuroscience*, 17, 166(2), 501-507.
45. **Calabria, M.**, Cotelli, M., Adenzato, M., Zanetti, O., & Miniussi, C. (2009). Empathy and emotion recognition in semantic dementia: a case report. *Brain and Cognition*, 70(3), 247-52.
46. **Calabria, M.**, Miniussi, C., Bisiacchi, P.S., Zanetti, O., & Cotelli, M. (2009). Face-name repetition priming in semantic dementia: a case report. *Brain and Cognition*, 70(2), 231-7.
47. **Calabria, M.**, Geroldi, C., Lussignoli, G., Sabbatini, F. & Zanetti, O. (2009). Efficacy of Achel treatment of Alzheimer's disease: a 21-month follow-up 'real world' study. *Archives of Gerontology and Geriatrics*, 49(1), 6-11.
48. Moretti, D.V., Pievani, M., Fracassi, C., Geroldi, C., **Calabria, M.**, De Carli, C.S., Rossini, P.M, Frisoni, G.B. (2008). Brain vascular damage of cholinergic pathways and EEG markers in mild cognitive impairment. *Journal of Alzheimer's Disease*, 15(3), 357-72.
49. Alberici, A., Bonato, C., **Calabria, M.**, Agosti, C., Zanetti, O., Miniussi, C., Padovani, A., Rossini, P.M. & Borroni, B. (2008). The contribution of TMS to frontotemporal dementia variants. *Acta Neurologica Scandinavica*, 118(4), 275-80.
50. Repetto, C., Manenti, R., Cotelli, M., **Calabria, M.** Zanetti, O., Borroni, B., Padovani, A. & Miniussi, C. (2007). Right hemisphere involvement in non-fluent primary progressive aphasia. *Behavioral Neurology*, 18(4), 239-43.
51. Cotelli, M., Borroni, B., Manenti, R., Ginex, V., **Calabria, M.**, Moro, A., Alberici, A., Zanetti, M.,

- Zanetti, O., Cappa, S.F., & Padovani, A. (2007). Universal grammar in the frontotemporal dementia spectrum Evidence of a selective disorder in the corticobasal degeneration syndrome. *Neuropsychologia*, 45(13), 3015-23.
52. Alberici, A., Geroldi, C., Cotelli, M., Adorni, A., **Calabria, M.**, Rossi, G., Borroni, B., Padovani, A., Zanetti, O., & Kertesz, A. (2007). The Frontal Behavioural Inventory (Italian version) differentiates frontotemporal lobar degeneration variants from Alzheimer's disease. *Neurological Sciences*, 28(2), 80-86.
  53. Sansone, V., Gandossini, S., Cotelli, M., **Calabria, M.**, Zanetti, O. & Meola, G. (2007). Cognitive impairment in adult myotonic dystrophies: a longitudinal study. *Neurological Sciences*, 28(1), 9-15.
  54. Cotelli, M., Borroni, B., Manenti, R., Alberici, A., **Calabria, M.**, Agosti, C., Arevalo, A., Ginex, V., Ortelli, P., Binetti, G., Zanetti, O., Padovani, A., & Cappa, S.F. (2006). Action and object naming in frontotemporal dementia, progressive supranuclear palsy, and corticobasal degeneration. *Neuropsychology*, 20(5), 558-65.
  55. Cotelli, M., **Calabria, M.**, & Zanetti, O. (2006). Cognitive rehabilitation in Alzheimer's Disease. *Aging Clinical and Experimental Research*, 18 (2), 141-3.
  56. Göbel, S., **Calabria, M.**, Farné, A., & Rossetti, Y. (2006). Parietal rTMS distorts the mental number line: Simulating 'spatial' neglect in healthy subjects. *Neuropsychologia*, 44, 860-8.
  57. **Calabria, M.**, & Rossetti, Y. (2005). Interference between number processing and line bisection: a methodology. *Neuropsychologia*, 43, 779-83.
  58. Jemel, B., Pisani, M., **Calabria, M.**, Crommelinck, M. & Bruyer, R. (2003). Is the N170 face-sensitive ERP component cognitively penetrable? Evidence from repetition priming of Mooney faces of familiar and unfamiliar persons. *Cognitive Brain Research*, 17, 431-46.
  59. Jemel, B., **Calabria, M.**, Delvenne, J-F., Crommelinck, M. & Bruyer, R. (2003). Differential involvement of episodic and face representations in ERP repetition effects. *Neuroreport*, 14 (3), 525-30.

## Book chapters

---

1. Piazza, G., & **Calabria, M.** (under revision). Grammatical gender processing in aphasia. In N. Schiller and T. Kupisch (Eds.). *The Oxford Handbook of Gender and Classifiers*. Oxford University Press.
2. **Calabria, M.** (2023). Language processing across the lifespan. In G. J. Boyle, A. K. Barbey, G. Northoff, F. Fregni, M. Jahanshahi, A. Pascual-Leone, & B. J. Sahakian (Eds.), *Handbook of Cognitive and Systems Neuroscience*. SAGE Publications.
3. **Calabria, M.** (2023). Bilingualism and language control: from neurolinguistics to neuropsychology. In M. Santesteban, J. A. Duñabeitia, and C. Baus (Eds.) *Bilingualism through the Prism of Psycholinguistics: in honour of Albert Costa* (pp. 131-159). John Benjamins Press. 10.1075/bpa.17.04cal
4. **Calabria, M.**, Baus C., & Costa A. (2019). Cross-talk between bilingual language control and executive control. In W. Schwieter (Ed.), *The Handbook of the Neuroscience of Multilingualism*, (pp. 447-466). Wiley-Blackwell Press.
5. Branzi, F.M., **Calabria, M.**, & Costa A. (2018). Cross-linguistic/bilingual language production. In S.A. Rueschemeyer & M.G. Gaskell (Eds.), *Oxford Handbook of Psycholinguistics* (pp. 463-

483). Oxford University Press.

6. Rossetti Y., Jacquin-Courtois S., **Calabria, M.**, Michel C., Gallagher S., Honoré J., Luauté J., Farné A., Pisella L., Rode G. (2015). Testing Cognition and Rehabilitation in Unilateral Neglect with Wedge Prism Adaptation: Multiple Interplays between Sensorimotor Adaptation and Spatial Cognition. In K. Kansaku, L. G. Cohen, & N. Birbaumer (Eds.), *Clinical Systems Neuroscience* (pp. 359-81). Japan: Springer.

### **Invited talks, oral presentations, and symposia at conferences**

---

1. Calabria, M. Are language switching deficits dissociable in bilinguals with neurodegenerative diseases? *International Symposium of Bilingualism*, Donostia (Spain), 9-13 June 2025.
2. Sainz-Pardo, M., Hernández, M., Suades, A. Juncadella, M., Ortiz-Gil, J., Ugas, L., Sala, I., Lleó, A, and Calabria, M. The impact of bilingualism in the lexical access of patients with neurodegenerative diseases. *Alzheimer's Association International Conference (AAIC 2025)*, Toronto (Canada), 27-31 July 2025.
3. Calabria, M., Sainz-Pardo, M., Hernández, M., Suades, A. Juncadella, M., Ortiz-Gil, J., Ugas, L., Sala, I., and Lleó, A. Bilingualism and Naming in MCI and Alzheimer's Disease: Insights from Catalan-Spanish Speakers. *Alzheimer's Association International Conference (AAIC 2025)*, Toronto (Canada), 27-31 July 2025.
4. Calabria, M. Linguistic and non-linguistic control in bilinguals with Mild Cognitive Impairment. *Alzheimer's Association International Conference (AAIC 2024)*, Philadelphia (US), 28 July - 1 August 2024.
5. Calabria, M. Granularity and modularity: insight into lexical retrieval deficits. Invited talk at the Workshop 'Language processing in aging', Vitoria (Spain), 23 May 2024.
6. Calabria, M., Sainz-Pardo, M., Hernández, M., Suades, A., Juncadella, M., Ortiz-Gil, J., Ugas, L., Sala, I., & Lleó, A.. Does bilingualism impact the naming abilities of the dominant language in individuals with MCI? Annual meeting of the *International Neuropsychological Society 2024*, New York (US), 14-17 July 2024.
7. Calabria, M., Suades, A., Juncadella, M., Ortiz-Gil, J., Ugas, L., Sala, I., Lleó, A. Linguistic and non-linguistic control in bilinguals with Mild Cognitive Impairment. *8th Scientific Meeting of FESN & 2nd Panhellenic Conference on Neuropsychology*, Thessaloniki (Greece), 27-29 September 2023.
8. Calabria, M. Intervenciones basadas en la música. *XIV Meeting FANPSE*, Madrid (Spain), 15-17 June 2023.
9. Calabria, M. At a loss for words. Invited talk at the *International Symposium on Psycholinguistics*, Vitoria (Spain), 31 May-2 June 2023.
10. Calabria, M. Language control in bilinguals with neurodegenerative diseases. *LaP Meeting*, Åkäslompolo (Finland), 2-5 April 2023.
11. Calabria, M. Cross-language interference and facilitation in neurodegenerative diseases. *International Neuropsychological Society 2022 Mid-Year Meeting*, Barcelona (Spain), 6-8 July 2022.

12. Calabria, M., Ciongoli, F., Martin, C., Mancini, S., Marqués Kiderle, S., Sala, I., Zhu, N., Sánchez-Saudinós, M. B., Fortea, J., Lleó, A., Illán-Gala, I., & Santos-Santos, M.A. Phonological and Semantic Features of Lexical Retrieval in Primary Progressive Aphasia. *International Neuropsychological Society 2022 Mid-Year Meeting*, Barcelona (Spain), 6-8 July 2022.
13. Calabria, M., García-Sánchez, C., Grunden, N., Pons, C., Arroyo, J. A., Gómez-Anson, B., Estévez García, M. C., Belvís, R., Morollón, M., Vera Igual, J., Mur, I., Pomar, V., & Domingo, P. Post-COVID-19 fatigue: the contribution of cognitive and neuropsychiatric symptoms. *International Neuropsychological Society 2022 Mid-Year Meeting*, Barcelona (Spain), 6-8 July 2022.
14. Calabria, M. Language and executive control in bilinguals with MCI. *Red ACELERA and the 5th Annual Workshop of the Society for the Cognitive Science of Culture*, Madrid (Spain), 2-3 May 2022.
15. Calabria, M. Linguistic and non-linguistic control in bilinguals with neurodegenerative diseases. Invited talk at the *Department of Linguistics, University of Leiden* (virtual), 21 April 2022.
16. Calabria, M. Language control in bilinguals: the contribution of cognitive neuropsychology. Invited talk at *Universidad Nacional Autónoma de México (UNAM)* (virtual), 30 September 2021.
17. Calabria, M., Voits, T., Rothman, J., Robson, H., Marín Marín, L., Costumero, V., Aguirre, N. and Pliatsikas, C. Novel approaches and methodological issues in the study of bilingualism and Alzheimer's disease and related dementias, *Alzheimer's Association International Conference (AAIC 2021)*, Denver (US), 26-30 July 2021.
18. Calabria, M. From bench to lab: the cognitive neuropsychology of bilingualism, symposium 'Synergies & confrontations: socio- and psycholinguistic, cognitive and neuroscientific approaches to bilingualism', *13th International Symposium on Bilingualism (ISB13)* (virtual), 9-14 July 2021.
19. Voits, T., Rothman, J., Robson, H., Calabria, M., Marín Marín, L., Costumero, V., Aguirre, N. & Pliatsikas, C. Bilingualism-related neural adaptations in Mild Cognitive Impairment patients are modulated by language experience. *13th International Symposium on Bilingualism (ISB13)* (virtual), 9-14 July 2021.
20. Calabria, M. (2021). How is neuropsychology contributing to bilingualism research? Invited talk for the *MultiMind lecture series* (virtual), 18 May 2021. [youtu.be/HsHWA-tt4jE](https://youtu.be/HsHWA-tt4jE)
21. Calabria, M., Voits, T., Rothman, J., Robson, H., Marín Marín, L., Costumero, V., Aguirre, N., Hernández, M., & Pliatsikas, C. The effect of bilingualism on the brain is modulated by language experience. *Jornadas virtuales SEPEX 2021* (virtual), 21-22 April 2021.
22. Calabria, M. Active bilingualism delays the onset of mild cognitive impairment. *Reserve, Resilience and Protective Factors, ISTAART Alzheimer's Association* (virtual), <https://player.vimeo.com/video/435126205>, 26-28 July 2020.
23. Calabria, M., Grunden, N., Iaiá, F. & García Sánchez, C. Interference and facilitation in phonological encoding: two sides of the same coin? Evidence from bilingual aphasia. *Conference on Multilingualism – COM2020*. Reading (virtual), 24-26 June 2020.

24. Calabria, M., Grunden, N., García-Sánchez, C., & Costa A. Semantic and phonological aspects of lexical retrieval in bilingual aphasia. *57th Annual Meeting of the Academy of Aphasia*. Macau, 27-29 October 2019.
25. Calabria, M. Is brain damage useful for studying bilingualism? Invited talk at the XIV *International Symposium of Psycholinguistics (ISP)*. Tarragona (Spain), 10-13 April 2019.
26. Grunden, N., García-Sánchez, C., Costa, A., & Calabria, M. Lexico-semantic control in fluent bilingual aphasia. *XIV International Symposium of Psycholinguistics (ISP)*. Tarragona (Spain), 10-13 April 2019.
27. Calabria, M., Hernández, M., Cattaneo, G., Suades, A., Juncadella, M., Reñé, R., Sala, I., Lleó, A., Ortiz-Gild, J., Ugas, L., Ávila, A., & Costa, A. Active bilingualism as a cognitive reserve factor against cognitive decline. *Conference on Multilingualism (COM) 2018*. Ghent (Belgium), 16-18 December 2018.
28. Calabria, M., Grunden, N., Serra, M., García Sánchez, C., & Costa, A. Lexical retrieval and semantic interference in fluent bilingual aphasia. *International Neuropsychological Society 2018 Mid-Year Meeting*. Prague, 18-20 July 2018.
29. Calabria, M. Cross-talk between language and executive control in neurodegenerative diseases. Invited talk at the *Centre for Literacy & Multilingualism*. University of Reading (UK), 5 June 2018.
30. Calabria, M. Active bilingualism acts as a compensatory mechanism against MCI. Invited talk at the *MCI Symposium*. Miami (USA), 20-21 January 2018.
31. Calabria, M. The Ribot's law one century later. Keynote lecture at *2017 AThEME (Advancing the European Multilingual Experience) Meeting*. Barcelona, Spain, 16 November 2017.
32. Calabria, M., Jefferies, E., Sala I., Lleó A., & Costa A. Semantic control in multilingualism: insights from semantic dementia. *Bi-/Multilingualism and the Declining Brain: Current evidence and future directions*. Reading, UK, 21 June 2017.
33. Calabria, M., Hernández, M., Cattaneo, G., Suades, A., Juncadella, M., Reñé, R., Sala, I., Lleó, A., Ortiz-Gild, J., Ugas, L., Ávila, A., & Costa, A. Does active bilingualism act as a compensatory mechanism against cognitive decline? *Bi-/Multilingualism and the Declining Brain: Current evidence and future directions*. Reading, UK, 21 June 2017.
34. Calabria, M. Neuropsychology and bilingualism. *2017 Summer school organized by Predictable Project (Marie Skłodowska-Curie Actions Innovative Training Network, ITN)*. Barcelona, Spain, 2 June 2017.
35. Calabria, M., Cattaneo, G., & Costa, A. Language control dysfunctions in bilinguals: a neurodegenerative perspective. Invited talk for the symposium 'Cognitive control and bilingualism' at the *54th Annual Meeting of the Academy of Aphasia*, Llandudno, UK, 16-18 October 2016.
36. Calabria, M. *Bilingualism: insights from neurodegenerative diseases*. Invited talk at the *1st Conference on Social Impact of Science*, Barcelona, 25-29 July 2016.
37. Calabria, M., Cattaneo G., & Costa A. On the cross-talk between language and executive control in bilinguals. Invited talk at the *19th Conference of the European Society for Cognitive Psychology (ESCOP)*, Paphos, Cyprus, 17-20 September 2015.

38. Calabria, M. The role of executive control in bilingual language production: a study with Parkinson's disease patients. Invited talk at the *World Federation of Neurology - Research Group on Aphasia, Dementia & Cognitive Disorders*, Hong Kong, 27-30 November 2014.
39. Calabria, M. Due lingue in un cervello in conflitto (Two languages in a conflicting brain). Invited talk at the *Free University of Bolzen* (Italy), 15 November 2014.
40. Calabria, M. & Costa, A. Neuropsychology and Neuroimaging of the bilingual brain. Symposium organised for the *4th Meeting of the European Societies of Neuropsychology*, Berlin (Germany), 12-14 September 2013.
41. Calabria, M., Cattaneo, G., Marne, P., Foucart, A., Nogué, R.R., Gironell, A., Abutalebi, J., & Costa, A. The role of executive control in bilingual language production: a study with Parkinson's disease patients. *18th Conference of the European Society for Cognitive Psychology (ESCOP)*. Budapest (Hungary), 29 August-1 September, 2013.
42. Calabria, M., Sabio, A., Martin, C., Hernández, M., Juncadella, M., Reñé, R., Ortiz, J., Ugas, L. & Costa, A. Face naming and person knowledge in Alzheimer's disease patients: a priming study. *BapSepex*. Liège (Belgium), 10-11 May 2012.
43. Calabria, M., Costa, A, Marne, P., Hernández, M., Juncadella, M., Reñé, R., Ortiz-Gil, J., Ugas, L., Lleó, A., & Blesa, R. Language representation in bilingual Alzheimer's disease patients. Invited talk for the symposium 'Dementia and Progressive aphasia in bilingual speakers' (Chair, Brendan Stuart Weekes). *International Symposium on Bilingualism (ISB8)*. Oslo (Norway), 15-18 June 2011.
44. Costa, A., Calabria, M., & Hernández, M. *Language production and control in bilinguals across the lifespan*. Invited talk for the symposium 'Language control and cognitive functions in bilinguals' (Chairs, Jubin Abutalebi and David Green). *International Symposium on Bilingualism (ISB8)*. Oslo (Norway), 15-18 June 2011.
45. Calabria, M., Hernández, M., Marne, P., Juncadella, M., Reñé, R., Ugas, L., Betran, S. & Costa, A. *Deterioration of the lexical representation in bilingual patients with dementia*. *1st joint meeting of the Experimental Psychology Society (EPS) and the Spanish Experimental Psychological Society (SEPEX)*. Granada (Spain), 15 – 17 April 2010.

### **Posters at scientific conferences**

---

1. Calabria, M., Martínez Mateu, N., Marqués Kiderle, S., Wagner Rodriguez, C., Filella-Merce, Estefania Garcia-Hernandez, J., Rubio-Guerra, S., Selma-Gonzalez, J., García Castro, J., Sala, I., Sánchez-Saudinós, M.B., Bejanin, A., Alcolea, D., Fortea, J. Lleó, A., Galán-Illa, I., Grasso, S., & Santos, M. Cued and memory-based language switching in bilingual patients with PPA. *62nd Annual Meeting of the Academy of Aphasia, Nara, Japan, 18-20 October, 2024*.
2. Ciongoli, F., García-Sánchez, C., Bonnin, C., Pascual Sedano, B., Kulisevsky, J., Ferriz Roue, T., Macip, S., & Calabria, M. Efficacy of a theatre-based intervention in patients with Parkinson's disease. *IAMM & ISfAM*, Berlin (Germany), 18-21 September 2024.
3. Ciongoli, F., Guerrero Barberon N., García-Sánchez, C., & Calabria, M. Background Music on Attentional Networks in Parkinson's Disease Patients: Preliminary Results. *The Neuroscience and Music*, Helsinki (Finland), 13-16 June 2024.

4. Armas, P. Zsadanyi, S. E., Morcillo-Nieto, A. O., Illán, I., Marqués Kiderle, S., Ciongoli, F., Rubio, S., Lleó, A., Fortea, J., Grasso, S., Binney, R. J., Calabria, M., Hernando, J., Bejanin, A., Santos Santos, M. A. Semantic control across different phenotypes of Alzheimer's disease: a cognitive study. *AAIC 2024 - Alzheimer's Association*, Philadelphia (US), 28 July-1 August, 2024.
5. Wolleb, A., Thomas, S., Calabria, M., Puig-Mayenco, E., Grasso, S., Santos, M. A., & Bose, A. Connected Speech Features in Bilingual Mixed Primary Progressive Aphasia: Evidence from Spanish-Catalan Speaker. *61st Annual Meeting of the Academy of Aphasia*, Reading, UK, 21-23 October, 2023.
6. Grasso, S. M., Karin Marques-Kiderle, S., Calabria, M., Sala, I., Rodríguez-Baz, I., Zhu, N., Arranz, J., Rubio-Guerra, S., Illán-Gala, I., Carmona-Iragui, M., Alcolea, D., Fortea, J., Lleo, A., & Santos-Santos, M. Bilingualism is associated with a later age of symptom onset in bilinguals with Alzheimer's disease positive biomarkers. *AAIC 2022 - Alzheimer's Association*, Amsterdam (The Netherlands), 16-20 July, 2023.
7. Mancini, S., Calabria, M., Ciongoli, F., Martin, C, Marques-Kiderle, S., Lleo, A., Illán-Gala, I., & Santos Santos, M. Morphosyntactic comprehension in primary progressive aphasia: evidence from Spanish. *The International Society for Frontotemporal Dementias*, Lille (France), 2-5 November 2022.
8. Mancini, S., Calabria, M., Ciongoli, F., Martin, C, Marques-Kiderle, S., Lleo, A., Illán-Gala, I., & Santos Santos, M. Morphosyntactic comprehension in primary progressive aphasia: evidence from Spanish. *14th Annual Meeting of the Society for the Neurobiology of Language*, Philadelphia (US), 6-8 October 2022.
9. Ciongoli, F. Calabria, M., Grunden, N., & García-Sánchez, C. Background Music and Memory in Mild Cognitive Impairment: The Role of Arousal. *International Neuropsychological Society 2022 Mid-Year Meeting*, Barcelona (Spain), 6-8 July 2022.
10. Grunden, N., García-Sánchez, C., Calabria, M., Pons, C., Arroyo, J. A., Gómez-Anson, B., Lleó, A., Alcolea, D., Belvís, R., Morrollón, N., Mur, I., Pomar, V., Domingo, P. An exploration of neuropsychological impairment in patients with subjective cognitive complaints Post COVID-19. *50th Annual Meeting of the International Neuropsychological Society*, New Orleans (US), 2-5 February 2022.
11. Calabria, M., Grunden, N., Ciongoli, F., Ordás, C., & García-Sánchez, C. Background music and recognition memory in amnesic Mild Cognitive Impairment. *50th Annual Meeting of the International Neuropsychological Society*, New Orleans (US), 2-5 February 2022.
12. Grunden, N., García Sánchez, C., Pascual Sedano, B. & Calabria, M. Rendimiento cognitivo a corto y largo plazo en pacientes bilingües y monolingües con Enfermedad de Parkinson intervenidos mediante estimulación cerebral profunda. *IV Congreso Iberoamericano de Neuropsicología (virtual)*, 27-29 May 2021.
13. Calabria M. Phonological and semantic control in bilingual word production across lifespan. *2nd Workshop on Speech Perception and Production across the Lifespan*. London (on-line), 30-31 March 2020.
14. Calabria, M., Grunden, N., Iaia, F., Serra, M., & García Sánchez, C. Phonological aspects of lexical retrieval in fluent bilingual aphasia. *11th Annual Meeting of the Society for the Neurobiology of Language. Helsinki*, 20 – 22 August 2019.

15. Calabria, M., Grunden, N., Serra, M., García Sánchez, C., & Costa A. Lexical retrieval and semantic interference in fluent bilingual aphasia. *Conference on Multilingualism (COM) 2018*. Ghent (Belgium), 16-18 December 2018.
16. Calabria, M., Grunden, N., Serra, M., García Sánchez C., & Costa A. Is semantic processing language-dependent? Evidence from bilingual aphasia. *Tenth Annual Meeting of the Society for the Neurobiology of Language*. Québec City (Canada), 16 - 18 August 2018.
17. Calabria, M., Hernández, M., Cattaneo, G., Suades, A., Juncadella, M., Reñé, R., Sala, I., Lleó, A., Ortiz-Gil, J., Ugas, L., Ávila, C., & Costa, A. Is active bilingualism a cognitive reserve factor against cognitive decline? *Cognitive Neuroscience of Executive Function International Conference (CNEF 2017)*, Padova, 28-30 September 2017.
18. Cattaneo, G., Calabria, M., Gironell, A., & Costa, A. Between and within language control in Parkinson's disease. *International Neuropsychological Society 2016 Mid-Year Meeting*, London, 6-8 July 2016.
19. Hernández, M., Calabria, M., Cattaneo, G., Suades, A., Juncadella, M., Reñé, R., et al. Does the greater efficiency of executive control of bilinguals act as a compensatory mechanism against cognitive decline? *International Neuropsychological Society 2016 Mid-Year Meeting*, London, 6-8 July 2016.
20. Cattaneo, G., Calabria, M., Marne, P., Gironell, A., Abutalebi, J. & Costa, A. The role of executive control in bilingual language production: a study with Parkinson's disease patients. *International Workshop on Language Production (iWOLP) 2014*, Geneva, 16-18 July 2014.
21. Calabria, M., Marne, P., Hernández, M., Juncadella, M., Gascón-Bayarri, J., Sala I., Lleó, A., Ortiz-Gil, J., Ugas, L., Blesa, R., Reñé, R., & Costa, A. Language deterioration in bilingual speakers with AD: a follow-up study. *4th Annual Neurobiology of Language Conference*, San Sebastián, 25-27 October 2012.
22. Calabria, M., Hernández, M., Marne, P., Juncadella, M., Reñé, R., Ugas, L., Betran, S., Lleó, A., Blesa, R., & Costa, A. Language control is preserved in bilingual Alzheimer's disease patients. *17<sup>th</sup> Meeting of ESCOP*. San Sebastián, 29 September – 2 October 2011.
23. Calabria, M., Sabio, A., Martin, C., Ortiz-Gil, J., Ugas, L., Juncadella, M., Reñé, R. & Costa, A. I cannot name your face, but my memory can do it': a face-name priming study in Alzheimer's disease patients. *IV BRAINGLOT WORKSHOP*. Vitoria-Gasteiz, Spain, 2011.
24. Calabria M., Hernandez M., Marne P., Juncadella M., Reñé R., Ugas L., Bertran S., Lleó A., Blesa R. & Costa A. Language control is preserved in bilingual Alzheimer disease patients. *Workshop on Neurobilingualism*. Donostia, Spain, 2010.
25. Costa, A., Hernández, M., Calabria, M., Marne, P., & Pina, V. Bilingual language control across the lifespan: Is it affected by ageing? *6th International Workshop on Language Production*. Edinburgh, 2-4 September 2010.
26. Calabria, M., Rosini, S., Zanetti, O., Miniussi, C., & Cotelli, M. Feeling emotions without overt recognition: a case of semantic dementia. *Alzheimer's Association 2009 International Conference on Alzheimer's Disease (ICAD)*, Vienna, 11-16 July 2009.
27. Cotelli, M., Calabria, M., Manenti, R., Cappa, S.F., Zanetti, O. & Miniussi, C. Repetitive transcranial magnetic stimulation (rTMS) in Alzheimer disease: new therapeutic perspectives. *Alzheimer's Association 2009 International Conference on Alzheimer's Disease (ICAD)*, Vienna, 11-16 July 2009.

28. Calabria, M., Manenti, R., Cotelli, M., Gurzi, M., Bisiacchi, P., Zanetti, O., & Miniussi, C. Episodic memory for face-name associations: an ERP study. *2<sup>nd</sup> Meeting of the European Societies of Neuropsychology, Toulouse, 18-20 October 2006.*
29. Manenti, R., Cotelli, M., Calabria, M., Gurzi, M., Bisiacchi, P., Zanetti, O., & Miniussi, C. Encoding and recognition of face-name associations: a TMS study. *12<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping. Florence, 11-15 June 2006.*
30. Meola, G., Sansone, V., Gandossini, S., Cattaneo, E., Alberici, A., Cotticeli, B., Zanetti, O., Calabria, M., Cotelli, M., & Binetti, G. Progressive Frontal Lobe Impairment in Myotonic Dystrophy Type 1 (DM1) and Type 2 (DM2): a Longitudinal Study. *Academy of Neurology - 57<sup>th</sup> Annual Meeting. Miami Beach, 9-16 April 2005.*
31. Sansone, V., Gandossini, S., Cotelli, M., Calabria, M., Alberici, A., Signorini, S., Cotticeli, B., Ghidoni, R., & Binetti, G. Cerebrospinal Fluid Tau Protein Abnormalities and Executive Dysfunction in Myotonic Dystrophy Type 1 (DM1). *Academy of Neurology - 57<sup>th</sup> Annual Meeting, Miami Beach, 9-16 April 2005.*
32. Calabria, M., Michel, C., Honoré, J., Guillaume, A., Pisella, L., Luauté, J., Rode, G., Boisson D., & Rossetti, Y. *Prism adaptation and the lack of awareness in spatial neglect. First Congress of the European Neuropsychological Societies. Modena, 18- 20 April 2004.*
33. Calabria, M., Michel, C., Jacquin-Courtois, S., Goebel, S., & Rossetti, Y. Prism adaptation in healthy subjects distorts the mental number line. *First Congress of the European Neuropsychological Societies. Modena, 18- 20 April 2004.*
34. Goebel, S., Calabria, M., Farné, A., Walsh, V., & Rossetti Y. Parietal rTMS distorts the mental number line. *First Congress of the European Neuropsychological Societies, Modena. 18- 20 April 2004.*
35. Jemel, B., Calabria, M., Delvenne, J.-F., Bruyer, R., & Crommelinck, M. ERP repetition effects to same and different photographs of familiar and unfamiliar persons dissociate the activation of episode-based and structural representation of faces. *Annual Meeting of the Belgian Psychological Society. UCL, Belgium, 2001.*

## **Indexed Abstracts**

---

1. Calabria, M., Voits, T., Rothman, J., Robson, H., Marín, L. M., Costumero, V., ... & Pliatsikas, C. (2021). The effect of bilingualism on the brain is modulated by language experience. *Alzheimer's & Dementia*, 17, e054437.
2. Calabria, M., Grunden, N., García Sánchez, C. & Costa, A. (2019). Semantic and phonological aspects of lexical retrieval in bilingual aphasia. *Front. Hum. Neurosci.* doi: 10.3389/conf.fnhum.2019.01.00091.
3. Kiran, S., Kong, A.P.H., Gray, T.J., & Calabria, M. (2016). Bilingualism and cognitive control. *Frontiers in Psychology.* doi: 10.3389/conf.fpsyg.2016.68.00091.
4. Calabria, M., Cattaneo, G., & Costa, A. (2016). Language control dysfunctions in bilinguals: a neurodegenerative perspective. *Frontiers in Psychology.* doi: 10.3389/conf.fpsyg.2016.68.00059.
5. Calabria, M., Cotelli, M., Adenzato, M., Zanetti, O., & Miniussi, C. (2009). Feeling emotions without overt recognition: A case of semantic dementia. *Alzheimer's and Dementia*, 5 (4), Supplement 1, 448-449.

6. Calabria, M., Cotelli, M., Manenti, R., Rosini, S., Zanetti, O. & Miniussi, C. (2009). Repetitive transcranial magnetic stimulation (rTMS) in Alzheimer disease: New therapeutic perspectives. *Alzheimer's and Dementia*, 5 (4), Supplement 1, 336.
7. Cotelli, M., Borroni, B., Ginex, V., Calabria, M. et al. (2006). Detection of syntactic anomalies in frontotemporal dementia and related disorders. *Neurology*, 66 (5): A57-A57 Suppl. 2.
8. Sansone, V., Gandossini, S., Cotelli, M., Calabria, M. et al. (2006). Health-related quality of life in myotonic dystrophy type 1 (DM1) and type 2 (DM2): Correlations with indexes of cognitive and behavioral abnormalities. *Neurology*, 66 (5): A151-A152 Suppl. 2.
9. Meola, G., Milanese, S.D., Sansone, V., et al. (2006). Effects of mexiletine on muscle strength and cardiac parameters in myotonic dystrophies: A longitudinal study. *Neurology*, 66 (5): A320-A320 Suppl., 2.
10. Zanetti, O., Cotelli, M., Manenti, R., Calabria, M., et al. (2006). Transcranial magnetic stimulation: An approach to cognitive rehabilitation. *Neurobiology of Aging*, 27: S24-S24 Suppl. 104.
11. Jemel, B., Calabria, M., Delvenne, J.-F., Bruyer, R., & Crommelinck, M. (2002). Differential involvement of instance-based and structural representation of face in ERP repetition effects to same and different photographs of familiar and unfamiliar persons. *Cognitive Neuroscience Society*, 92.

## **Reviewer and editorial activity**

---

### Editorial and review activity (scientific journals)

2022 to date| Associate editor for Bilingualism: Language and Cognition

2023 to date| Associate editor for Journal of Alzheimer's disease

2022 to date| Review editor for Frontiers in Language Sciences and in Neurology - Cognitive and Behavioral Neurology

Jan.-Dec. 2020| Guest Editor for the Special Issue 'Bilingual aphasia' published in Behavioral Sciences

2019 -2024| Editorial Board member for Behavioral Sciences

July 2017 to date| Editorial Board member for the Journal of Neurolinguistics

Dec. 2016-2021| Editorial Board member for Bilingualism: Language and Cognition

June 2016 to date| Review Editor for Frontiers in Human Neuroscience

Jan.-Dec. 2016| Guest Editor for the Special Issue 'Bilingualism in healthy and pathological aging' published in Journal of Neurolinguistics

2009 to date| Ad-hoc reviewer for the following international scientific journals: Brain and Cognition, Neuropsychologia, Journal of Neurolinguistics, Cortex, Journal of Memory and Language, Bilingualism: Language and Cognition, Acta Psychologica, Experimental Psychology, Frontiers in Human Neuroscience, Frontiers in Neurology (See Web of Science profile at <https://www.webofscience.com/wos/author/record/B-4529-2012>)

### Panel member - Grant calls

2021| Ministry of Education, Andorra (Comissió de Selecció dels Ajuts de Tercer Cicle)

2021| Andalusian Grant Agency (DEVA) - FEDER call

### Expert Grant Reviewer

2017 to date| Grant Agency of the Italian Government (REPRISE - Miur)  
2017 to date| Natural Sciences and Engineering Research Council of Canada  
2010 to date| Grant Agency of the Spanish Government (*Agencia Estatal de Investigación*)  
2021 | Medical Research Council of United Kingdom  
2021 | Andalusian Grant Agency (DEVA, Dirección de Evaluación y Acreditación de la Agencia Andaluza del Conocimiento)  
2017 to 2019| Expert Reviewer for the Comisión Institucional de Revisión Ética de Proyectos (CIREP-UPF)

## Membership

---

2025 to date| European Cognitive Ageing Society  
2023 to date| Academy of Aphasia  
2021 to date| British Aphasiology Society  
2021 to date| ISTAART Alzheimer's Association  
2021 to date| Catalan Society of Neuropsychology  
2021 to date| British Neuropsychological Society  
2018 to date| International Neuropsychological Society  
2012 to date| Society of Neurobiology of Language  
2010 to date| European Society for Cognitive Psychology

## Academic and scientific merits

---

2023 to date| **Scientific coordinator** of the **Neuro Lab** at the Universitat Oberta de Catalunya  
2024 to 2026 | **Member of the University Council** at the Universitat Oberta de Catalunya

2023 to 2025 | **Co-chair** of the **Special Interest Group 'Bilingualism, Language, and Literacy'** (ISTAART Diversity & Disparities PIA, Alzheimer's Association).

2022| **Co-director** of the **7th Barcelona Summer School on Bilingualism and Multilingualism. Barcelona, 13-15 September 2022.** [<https://www.upf.edu/web/bsbm>]

2019| **I3 Certificate for researchers of the Spanish University System**, Programme to Incentivize the Incorporation and Intensification of Research Activity

## Scientific events organization and committee member

---

Member of the **scientific committee**

- VII Congreso Internacional de Lingüística Clínica [Salamanca (Spain), June 2024]
- 2023 meeting of the Catalan Neuropsychological Society [Barcelona (Spain), July 2023]
- XVI International Symposium of Psycholinguistics [Victoria (Spain), May 2023]
- International Symposium on Bilingualism and Cognition [Goa (India), October 2022, <https://isbcgoa2022.wordpress.com>]
- La mente léxica 2022 [Salamanca (Spain), May 2022, <https://diarium.usal.es/lamentelexica/>]
- Co-organizer of the **XVII International Symposium of Psycholinguistics**, Barcelona, 28-30 May 2025.
- Organizer of the **Workshop 'Efectos neurológicos y alteraciones neuropsicológicas por COVID-19'**, Madrid, 12 November 2022.
- Member of the Organizing Committee of the **6th Barcelona Summer School on Bilingualism and Multilingualism. Barcelona, 17-20 September 2019.** [<https://www.upf.edu/web/bsbm/edicio2019>]

- Member of the Organizing Committee of the **5th Barcelona Summer School on Bilingualism and Multilingualism**. *Barcelona, 12-15 September 2017* [<https://www.upf.edu/web/bsbm/edicio2017>]
- Organizer of the **Center for Brain and Cognition Workshop**. *Barcelona, 27 May 2015*.
- Organizer of the **Center for Brain and Cognition Seminar Series**, *October 2014-December 2016*.
- Member of the Local Organizing Committee of the **12th International Science of Aphasia Conference**. *Barcelona, 1-5 September 2011*.

### **Participation in scientific events for general audience and media**

---

- **Nit de la Recerca 2024** (European Researcher's Night). Conference to general audience '*El teatre que cura*' 27 September 2024, Barcelona, Spain.
- **Nit de la Recerca 2022** (European Researcher's Night). Conference to general audience '*La música pot millor l'aprenentatge?*' 28 September 2022, Barcelona, Spain.
- **Ageing Well Series**. Conference to general audience '*Aging Brain*' organized by Jitka Vseteckova from The Open University, UK, 17 November 2021 (virtual). [<https://bit.ly/3kPySnE>]
- **Bilingüismo Meeting Point**. Dissemination event of the *RED ACELERA* organized by Universidad Nebrija, 21 June 2021, Madrid, Spain. [<https://shorturl.at/djru0>]
- **Bilingüismo: ciencia, educación y sociedad**. Conference to general audience '*Bilingüismo activo: ¿una herramienta para un envejecimiento saludable?*' Organised by Bilingualism Matters from the University of Granada. 9 July 2021, Granada, Spain.
- **Nit de la Recerca 2020** (European Researcher's Night). Conference to general audience: '*Bilingüisme actiu: una eina per a un envelliment saludable?*' 27 November 2020, Barcelona, Spain. [[https://youtu.be/\\_-GAyeOYe1Q](https://youtu.be/_-GAyeOYe1Q)]
- **Nit de la Recerca 2018** (European Researcher's Night). Conference to general audience: '*El bilingüismo: ¿una gimnasia para el cerebro?*' 29 September 2018, Barcelona, Spain.
- **AFAB (Asociación Familiares de Alzheimer Barcelona)**. Conference to general audience '*¿Hablar dos idiomas nos protege del deterioro cognitivo?*' 7 April 2016, Barcelona, Spain.
- **Open doors Day – UPF**. Open day of scientific dissemination at University Pompeu Fabra. 12 March 2016, Barcelona, Spain.
- **Recerca en directe**. 11<sup>th</sup> Fear of Science for general audience organised by Parc Científic – University of Barcelona. April 2013, Barcelona, Spain.

### **Outreach activity**

---

**Blog, Faculty of Health Sciences UOC** (see complete list [here](#))

21/09/2024 | Alzheimer: ¿qué deberíamos saber en el día mundial de la enfermedad? [<https://shorturl.at/b8lvL>]

15/02/2023 | Arteterapia: ¿tiene beneficios en el deterioro cognitivo? [[shorturl.at/tvK48](https://shorturl.at/tvK48)]

21/09/2022 | Demencia y COVID-19: retos y reflexiones tras la pandemia [[shorturl.at/DFOP3](https://shorturl.at/DFOP3)]

22/06/2021 | Afasia: qué es y cómo vivir con este trastorno [<https://bit.ly/3wRE1Q3>]

25/11/2020 | COVID-19 y efectos neurológicos: implicaciones desde la Neuropsicología [<https://bit.ly/3vOyRCU>]

### **Articles**

8/11/2021 | ¿Por qué muchas personas con alzhéimer recuerdan bien canciones de su juventud? *The Conversation España* [[shorturl.at/pN378](https://shorturl.at/pN378)]

0/09/2020 | Día del alzhéimer: El bilingüismo protege frente al deterioro cognitivo. *The Conversation España* [<https://rb.gy/jer2fu>]

### **Press release**

### English

1. Neuroscience News| Actively Speaking Two Languages Protects Against Cognitive Impairment <https://rb.gy/3ho4cx>
2. Technology Networks| Active Bilingualism Delays the Onset of Mild Cognitive Impairment <https://rb.gy/8ngyuk>
3. Universal Sci.com| Speaking two languages shields you from cognitive decline and dementia <https://bit.ly/3lpkUa7>
4. EurekaAlert| Actively speaking two languages protects against cognitive impairment <https://bit.ly/36sGXs5>
5. UPF News| What challenges are posed by the relationship between ageing and bilingualism? <https://bit.ly/2SsybSO>
6. UPF News| Different studies point to a relationship between language and general control skills in humans <https://bit.ly/36tV8gw>
7. UPF News| Bilingualism acts as a cognitive reserve factor against dementia <https://bit.ly/3jywFdu>

### Spanish

1. Cope| La neuropsicología y la enfermería neurológica en la lucha contra el Alzheimer <https://rb.gy/wix4q2>
2. La Región| Bilingüismo contra la demencia <https://rb.gy/bzadvz>
3. Diario de Mallorca| Hablar dos lenguas activamente protege del deterioro cognitivo <https://rb.gy/cyl8kl>
4. 20minutos| Marco Calabria, investigador: 'En las personas bilingües con alzhéimer, los síntomas aparecen años más tarde' <https://rb.gy/cpdvf2>
5. La Voz de Asturias| Hablar dos lenguas de forma activa protege del deterioro cognitivo <https://rb.gy/ykxphc>
6. La Vanguardia| Demuestran que el bilingüismo actúa de "reserva cognitiva" contra la demencia <https://bit.ly/33u13jP>
7. Spanish Society of Neuroscience| Bilingüismo y Párkinson comparten las mismas áreas de control ejecutivo en el cerebro <https://bit.ly/3iwCbMm>
8. Catalunyaavanguardista| Bilingüismo y envejecimiento <https://bit.ly/3ldRwn2>

### Catalan

1. Corporació Catalana de Mitjans Audiovisuals| El bilingüisme prevé l'Alzheimer, una protecció que augmenta segons l'ús i l'habilitat <https://rb.gy/ws0f56>
2. El Món| Parlar més d'una llengua, un privilegi en el combat contra el deteriorament cognitiu <https://rb.gy/ek3wuz>

### Galician

Praza Pública| Un estudo conclúe que falar activamente dúas linguas protexe do Alzhéimer e do deterioro cognitivo <https://rb.gy/6b74uo>

### Podcast

Hablemos de Montessori | El bilingüismo y nuestro cerebro [<https://apple.co/34kwPyV>]

La ContrapART | Art i salut - [<https://shorturl.at/Nh6k8>]

### Interviews (radio)

Cadena SER| (21/11/2021) 'A vivir que son dos días' ¿Te sabes las letras de las canciones? <https://bit.ly/3DIHrrO>

COPE Radio| (21/09/2021) La música podría ayudar a la memoria de personas amb Alzheimer <https://bit.ly/39oVLLy>

Radio Plaza| (04/10/2020) 'Obligaciones, las justas' Hablar dos lenguas de forma activa protege del deterioro cognitivo <https://go.ivoox.com/rf/57429234>

COPE Radio| (18/09/2021) 'La linterna' Parlar dues llengües de forma activa protegeix del deteriorament cognitiu <https://rb.gy/gfqsk4>

Catalunya Ràdio| (21/09/2020) 'Catalunya Nit' Un estudi diu que els bilingües actius tenen el cervell més "entrenat" per prevenir demències <https://rb.gy/ezlmgk>

Cadena Serj (21/09/2020) 'Aquí, amb Josep Cuní' Un bilingüisme actiu ajuda a prevenir l'Alzheimer <https://rb.gy/bn1j8n>

### Multimedia

Bilingüismo contra el Alzheimer y otras ventajas de tu cerebro si hablas más de un idioma (El Confidencial) <https://www.youtube.com/watch?v=1cqwTX4vTcM>

Bilingualism in healthy and pathological aging <https://bit.ly/3cZirA2>

Active bilingualism and cognitive reserve <https://vimeo.com/257585803>

Simposium 2019 La Marató TV3 <https://www.ccma.cat/video/embed/5874949/>

## **Supervision of graduate and undergraduate students**

---

### PhD students

Name: [Gloria Pilar Jiménez Costa](#)

Type of supervision: Co-Director of the PhD thesis, PhD Program in Neuroscience

Institution: University of Murcia (Spain)

Thesis title: Background music and cognition in multiple sclerosis

Time/duration: 2023-on going

Name: [María Sainz Pardo](#)

Type of supervision: Director of the PhD thesis, PhD Program in Health and Psychology

Institution: Universitat Oberta de Catalunya (Spain)

Thesis title: Linguistic components of Speech Production Deficits in Patients with Neurodegenerative Diseases

Time/duration: 2023-on going

Name: [Francesco Ciongoli](#) (FPI Project I+D MEM-COG, PID2020-118672RB-I0)

Type of supervision: Director of the PhD thesis, PhD Program in Health and Psychology

Institution: Universitat Oberta de Catalunya (Spain)

Thesis title: The Role of Background Music on Memory and Attention in Patients with Neurodegenerative Diseases

Time/duration: 2022-on going

Name: [Sergio Grueso Sáez](#)

Type of supervision: Co-director of the PhD thesis, PhD Program in Health and Psychology

Institution: Universitat Oberta de Catalunya (Spain)

Thesis title: Functional characteristics of the bilingual brain

Time/duration: 2021-on going

Name: [Gabriele Cattaneo](#), PhD Student

Type of supervision: Director of the PhD thesis, PhD Program in Biomedicine

Institution: Pompeu Fabra University (Spain)

Thesis title: Bilingual language control: evidence from Parkinson's disease patients

Time/duration: 2013-2016

### **International students** (Erasmus+ Program and other exchange programs)

Name: [Francesco Ciongoli](#), Trainee (Visiting)

Type of supervision: Tutor of the postgraduate training (fellowship)

Institutions: Università La Sapienza-Roma (Italy)

Time/duration: 01/02/2021 - 01/02/2022

Name: [Giorgio Piazza](#)

Title: Transparent and opaque gender processing in Spanish patients with aphasia.

Type of supervision: Tutor of the Traineeship within the Erasmus Exchange Program

Institutions: University of Padua (Italy) and Pompeu Fabra University (Spain)

Time/duration: 01/10/2017 - 30/06/2018

Name: Federica Iaia

Type of supervision: Tutor of the Traineeship within the Erasmus + Exchange Program

Title: L'afasia bilingue come perdita di controllo linguistico

Institutions: University of Padua (Italy) and University Pompeu Fabra (Spain)

Time/duration: 01/03/2018 - 31/07/2018

Name: Federica Brunelli

Type of supervision: Tutor of the Traineeship within the Erasmus + Exchange Program

Institutions: University of Padua and University Pompeu Fabra

Time/duration: 01/03/2017 - 31/07/2017

Name: Enrica Mello

Type of supervision: Tutor of the Traineeship within the Erasmus + Exchange Program

Institutions: University of Padua and University Pompeu Fabra

Time/duration: 01/03/2015 - 31/07/2015

### **Master's students**

Name: Neus Guerrero

Type of supervision: Tutor of the Master Thesis (Master in Neuropsychology, UAB)

Title: The role of background music in attentional network in patients with Parkinson's disease

Institution: Autonomous University of Barcelona (Spain)

Time/duration: 01/06/2023 - 15/10/2024

Name: Souhaila el Hamdani

Type of supervision: Tutor of the Master Thesis (Master in Neuropsychology, UAB)

Title: Neuropsychological deficits in patients with headache after COVID-19

Institutions: Autonomous University of Barcelona (Spain)

Time/duration: 01/05/2022 - 30/09/2022

Name: Ana Patricia Sampayo

Type of supervision: Tutor of the Master Thesis (Master in Brain and Cognition, UPF)

Title: The effects of background music on retrieving autobiographical events in patients with dementia: a pilot study

Institution: Pompeu Fabra University (Spain)

Time/duration: 01/08/2020 - 30/09/2021

Name: Mónica Sandoval González

Type of supervision: Tutor of the Master Thesis (Master in Brain and Cognition, UPF)

Title: Voluntary language switching in the context of bilingual aphasia

Institution: Pompeu Fabra University (Spain)

Time/duration: 01/02/2020 - 30/06/2020

Name: Celia Ordás

Type of supervision: Tutor of the Master Thesis (Master in Neuropsychology, UAB)

Title: The Effects of Listening to Background Music in Dementia

Institution: Autonomous University of Barcelona (Spain)

Time/duration: 01/02/2020 - 30/06/2020

Name: Nicholas Grunden

Type of supervision: Tutor of the Master Thesis (Master in Neuropsychology, UAB)

Title: The Interplay Between Language and Executive Control in the Rehabilitation of Bilingual Aphasia

Institution: Autonomous University of Barcelona (Spain)

Time/duration: 01/11/2017 - 30/06/2018

Name: Peter Lerner

Type of supervision: Tutor of the Master Thesis (Master in Brain and Cognition)

Title: Bilingual language control at the phonological level: effects of accent when switching languages

Institution: Pompeu Fabra University (Spain)

Time/duration: January to September 2017

Name: Hannah Noelle Taylor

Type of supervision: Tutor of the Master Thesis (Master in Brain and Cognition)

Institution: Pompeu Fabra University (Spain)

Time/duration: January to September 2017

Name: Alicia Sabio

Type of supervision: Tutor of the Master Thesis (Master in Neuropsychology)

Institutions: University of Barcelona and University Pompeu Fabra (Spain)

Time/duration: 2011