

CURRICULUM VITAE ABREVIADO (CVA)**Parte A. INFORMACIÓN PERSONAL**

First name	MIGUEL ANGEL VADILLO NISTAL		
Family name	-----		
Gender (*)	-----	Birth date	-----
ID number	-----		
e-mail	-----	URL Web	-----
Open Researcher and Contributor ID (ORCID)		-----	

A.1. Situación actual

Cargo actual	Profesor Titular de Universidad		
Fecha inicial	01/09/2023		
Institución	Universidad Autónoma de Madrid		
Departamento	Departamento de Psicología Básica		
País	España	Teleph. number	-----
Palabras clave	Psicología experimental; Atención; Aprendizaje; Meta-análisis		

A.2. Experiencia previa

2001-2005	Becario FPI, Universidad de Deusto, España
2004 (Jun-Sep)	Investigador visitante, State University of New York at Binghamton, USA
2005-2012	Profesor encargado doctor, Universidad de Deusto, España
2011 (Mar-Sep)	Investigador postdoctoral visitante, Ghent University, Bélgica
2012-2014	Investigador postdoctoral, University College London, Reino Unido
2013 (Jan-Feb)	Investigador postdoctoral visitante, UNSW, Sydney, Australia
2014-2016	Profesor / Lecturer, King's College London, Reino Unido
2016-2017	Profesor ayudante doctor, Universidad Autónoma de Madrid, España
2017-2022	Investigador postdoctoral senior, Universidad Autónoma de Madrid, España
2022-2023	Profesor contratado doctor (i3), Universidad Autónoma de Madrid, España

A.3. Educación

Título	Universidad	Año
Ldo. Antropología	U.N.E.D., España	2008
Dr. Psicología	Universidad de Deusto, Bilbao, España	2005
Ldo. Psicología	Universidad de Deusto, Bilbao, España	2001

Parte B. RESUMEN DEL CV

Scientific contributions: My main area of expertise is unconscious cognition, especially the interaction between attention and learning. However, over the last ten years I have also become increasingly interested in meta-science, with a particular focus on meta-analytical research, publication and reporting biases, and methodological reforms aimed at improving the quality of scientific research. I have published **~130 papers in JCR-indexed journals**, including among others *Psychological Science*; *Journal of Experimental Psychology: General*; *Psychological Bulletin*; *Educational Research Reviews*; *Developmental Science*; *Nature Human Behaviour*; *Nature Reviews Psychology* and *Current Directions in Psychological Science*, and I have given **>200 presentations at conferences, seminars and symposia**. Over the last 9 years, all the materials, data, and scripts of my research are publicly available at the Open Science Framework (profile: <https://osf.io/8yr4m/>). I have been **PI of 4 national grants and 3 regional grants** and I have collaborated with more than 10 national or international projects.

Training and mentoring of young researchers: I have completed the supervision of **7 PhD students**, all of them now holding positions in academia: two of them working as a lecturer (ayudante doctor), three as senior lecturers (contratado doctor), one as reader (titular), and one as postdoctoral researcher. I am also completing the supervision of **5 PhD students** (4 of them with FPI/FPU fellowships). I have supervised **10 postdoctoral researchers**, three of them recipients of Juan-de-la-Cierva fellowships. All

of them are currently working in academia as lecturers, associate professors or postdoctoral researchers. In addition, I have **participated in 8 innovative teaching projects**, being the coordinator of 3 of them. I am the **director of the Cognition, Attention, and Learning Lab (CALL)** at Universidad Autónoma de Madrid (team's website: <https://calluam.wordpress.com/>).

Contribution to society and dissemination activities: I have been **president of the Spanish Society for Experimental Psychology (SEPEX)** and board member of the Society for the Advancement of Judgment and Decision-Making Studies (SEJyD), the Spanish Society for Comparative Psychology (SEPEC), and UAM's **institutional review board**. I also belong to the editorial boards of *Psicológica* and *PLoS One* and I have been ad hoc reviewer for ~150 manuscripts. I have reviewed project proposals for the Spanish Research Agency (AEI), the regional governments of Andalusia and Comunidad Valenciana, the Israeli Science Foundation, USA's National Science Foundation, among others. Since January 2024 I am the **coordinator of the experimental psychology subarea at the Spanish Research Agency (AEI)**. I am co-editor of *Ciencia Cognitiva* (www.cienciacognitiva.org), one of the most important outlets for the publication of peer-reviewed, popularization articles related to cognitive science in Spanish-speaking countries. I am co-founder of the **Association for the Popularization of the Cognitive Sciences**. I am co-author (with Helena Matute) of a book on the psychology of internet directed to the general population: *Psicología de las nuevas tecnologías: De la adicción a Internet a la Convivencia con robots*. I was the author of a popular science **blog de mente** (<https://mvadillo.com/blog/>) that accumulated more than 300.000 visits from 2011 to 2016. My Twitter profile has **>3.000 followers** and it is used as a channel for the dissemination of research findings. Several of my research articles have Altmetrics scores higher than 500. Some of my **talks** can be freely accessed at <https://mvadillo.com/talks/>.

Parte C. MÉRITOS RELEVANTES

C.1. Publicaciones (selección)

- Vadillo, M. A., Malejka, S., & Shanks, D. R. (2025). Mapping the reliability multiverse of contextual cuing. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 51, 910–927.
- Cásedas, L., Schooler, J. W., Vadillo, M. A., & Lupiáñez, J. (2024). An integrative framework for the mechanisms underlying mindfulness-induced cognitive change. *Nature Reviews Psychology*, 3, 821–834.
- Círia, L. F., Román-Caballero, R., Vadillo, M. A., Holgado, D., Luque-Casado, A., Perakakis, P., & Sanabria, D. (2023). An umbrella review of randomized control trials on the effects of physical exercise on cognition. *Nature Human Behaviour*, 7, 928–941.
- Giménez-Fernández, T., Luque, D., Shanks, D. R., & Vadillo, M. A. (2023). Rethinking attentional habits. *Current Directions in Psychological Science*, 32, 494–500.
- Meyen, S., Vadillo, M. A., von Luxburg, U., & Franz, V. H. (2024). No evidence for contextual cueing beyond explicit recognition. *Psychonomic Bulletin & Review*, 31, 907–930.
- Román-Caballero, R., Vadillo, M. A., Trainor, L., & Lupiáñez, J. (2022). Please don't stop the music: A meta-analysis of the cognitive and academic benefits of instrumental musical training in childhood and adolescence. *Educational Research Review*, 35, 100436.
- Vadillo, M. A., Malejka, S., Lee, Y., Dienes, Z., & Shanks, D. R. (2022). Raising awareness about measurement error in research on unconscious mental processes. *Psychonomic Bulletin & Review*, 29, 21–43.
- Ferrero, M., Vadillo, M. A., & León, S. P. (2021). A valid evaluation of the theory of multiple intelligences is not yet possible: Problems of methodological quality for intervention studies. *Intelligence*, 88, 101566.
- Yang, C., Luo, L., Vadillo, M. A., Yu, R., & Shanks, D. R. (2021). Testing (quizzing) boosts classroom learning: A systematic and meta-analytic review. *Psychological Bulletin*, 147, 399–435.
- Vadillo, M. A., Linssen, D., Orgaz, C., Parsons, S., & Shanks, D. R. (2020). Unconscious or underpowered? Probabilistic cuing of visual attention. *Journal of Experimental Psychology: General*, 149, 160–181.

C.2. Congresos y charlas invitadas (selección)

- Vadillo, M. A. (2025, 20 Febrero). Biases and methodological problems in the study of consciousness. Charla invitada en el Basque Center on Cognition, Brain and Language (BCBL), San Sebastián, España.
- Vadillo, M. A. (2024, 4 Noviembre). *Defensa contra las artes oscuras*. Conferencia inaugural del Máster Universitario en Investigación Psicológica, UNED, Madrid.
- Vadillo, M. A. (2024, 23-25 Octubre). *Perverse incentives in research on unconscious cognition*. Invited talk at the symposium *Meta-science in Psychology: Evidence from the past, reflections in the present, solutions for the future*, XIV SEPEX Meeting, Almería, España.
- Vadillo, M. A., Fleming, S., & Shanks, D. R. (2024, 26-28 Junio). *Meta-cognitive awareness in contextual cueing*. 10th Iberian Conference on Perception, Madrid, España.
- Cásedas, L., Schooler, J. W., Vadillo, M. A., & Lupiáñez, J. (2024, 19-23 Junio). *An integrative mechanistic framework for mindfulness-induced cognitive change*. 2nd Annual Conference of the International Society for Contemplative Research, Padova, Italia.
- Vadillo, M. A. (2024, Marzo 4). *No es oro todo lo que reluce: Introducción a la detección de sesgos en la literatura científica*. Taller sobre *Ciencia abierta* organizado por la SEPNECA, la SEPEX, la SEPsicoBio y la UAM. Universidad Autónoma de Madrid, Madrid.
- Malejka, S., Vadillo, M. A., Dienes, Z., & Shanks, D. R. (2022, Marzo). *Bayesian errors-in-variables regression to investigate unconscious mental processes*. Charla invitada en el workshop Bayesian advances in cognitive modeling. TEAP 2022, Colonia, Alemania.
- Vadillo, M. A. (2022, Febrero 10). *Mapping the unconscious: It's harder than you think!* Charla invitada en el Psychology Department, Lancaster University, Reino Unido.
- Vadillo, M. A. (2021, Junio 30). *Visual statistical learning, fast and slow*. Charla invitada en la Experimental and Neurocognitive Psychology Unit, Munich University, Alemania.
- Vadillo, M. A., Ferrero, M., Konstantinidis, E., & Hardwicke, T. E. (2021, Noviembre). *Correcting misconceptions in education: It's harder than you think*. Third Meeting of the Society for the Advancement of Judgment and Decision-making Studies, Madrid, España.

C.3. Proyectos (selección)

- **Let's ROC: Una generalización de la Teoría de Detección de Señales para el estudio de los procesos mentales inconscientes** (PID2023-150830NB-I00) a Miguel A. Vadillo, UAM. Agencia Estatal de Investigación, proyectos de I+D+i, € 150.000 + FPI, 2024-2027. Contribución: IP.
- **Meta-sesgos en la investigación psicológica** (CNS2022-135346) a Miguel A. Vadillo, UAM. Agencia Estatal de Investigación, proyectos de I+D+i, € 199.529, 2023-2025. Contribución: IP.
- **Replicating the unconscious working memory effect: A multi-site preregistered study**, a Alicia Franco-Martínez, UAM. Templeton Foundation & Center for Open Science, \$ 36.813, 2023-2025. Contribución: Colaborador.
- **Detección y corrección de concepciones erróneas sobre las TIC en educación** (TED2021-131542A-I00) a Marta Ferrero, UAM. Agencia Estatal de Investigación, Proyectos de Transición Ecológica y Digital, €18.285, 2022-2024. Contribución: Colaborador.
- **Deconstruyendo la automaticidad** (PID2020-118583GB-I00) Miguel A. Vadillo, UAM. Agencia Estatal de Investigación, proyectos de I+D+i, €96.800 + FPI, 2021-2024. Contribución: IP.
- **Methodological problems in implicit cognition research** (2020-5A/SOC-19723) Miguel A. Vadillo, UAM. Programa de Atracción de Talento Investigador de la Comunidad de Madrid, Fundación Madri+d, 85.000; 2021-2022. Contribución: IP.
- **COREVID: COronavirus Research EVIDence evaluation** (Human-COVID-19) a Salvador Soto-Faraco, Universitat Pompeu Fabra. BBVA Foundation, €67.073, 2020-2022. Contribución: Colaborador.
- **Neuroarchitectural mapping of consciousness** (COST Action CA18106) a Kristian Sandberg, Aarhus Universitet, Denmark. European Cooperation in Science and Technology, ~€400.000, 2019-2023. Contribución: Colaborador.
- **The dubious reliability of implicit cognition research: Current problems and ways forward** (PSI2017-85159-P) a Miguel A. Vadillo, UAM. Agencia Estatal de Investigación, subprograma Estatal de Generación de Conocimiento, €71.390 + FPI, 2018-2020. Contribución: IP.
- **Measuring awareness in implicit cognition research: Developing research methods for the next decade** (ES/P009522/1PI) a David R. Shanks, University College London. Economic and Social Research Council (ESRC), UK, £389.349, 2018-2021. Contribución: IP.