

Academic positions

2025 – Present: **Postdoctoral Fellow**. Advisor: John P.A. Ioannidis. METRICS, Stanford University, USA.

2025 – 2025: **Postdoctoral Fellow**. Advisor: Miguel Vadillo. Universidad Autónoma de Madrid, Spain.

Education and training

2020 – 2024: **Ph.D. Psychology** (Psychological Methods). Thesis title: Transparency and risk of bias in psychological meta-analytic research: an empirical evaluation. Advisors: Prof. Julio Sánchez-Meca and Dr. José A. López-López. Universidad de Murcia, Spain.

2019 – 2020: **M.S. Behavioral and Cognitive Neuroscience**. Universidad de Granada, Spain.

2015 – 2019: **B.A. Psychology**. Universidad de Murcia, Spain.

Research

- Ongoing projects:

Sandoval-Lentisco A., Hardwicke, T., Vadillo, M. A. Is Ego-Depletion Self-Correcting? A Case Study of Citation Patterns Following Preregistered Multi-Lab Studies. Preregistered protocol: <https://osf.io/npk9q>

López-Nicolás, R., Sandoval-Lentisco A., Vadillo, M. Reporting Bias Analyses in Psychological Meta-analyses: Current Practices and Robustness of the Conclusions. Preregistered protocol: <https://osf.io/8xcqr>

Sandoval-Lentisco A., Vadillo, M. A., Ioannidis J. P. A. Self-correction in basic and pre-clinical cancer biology: evidence from the Reproducibility Project: Cancer Biology. *Data being collected*.

- Under review:

Sandoval-Lentisco, A., López-Nicolás, R., López-López, J.A., & Sánchez-Meca, J. Risk of Bias in Clinical Psychology Meta-Analyses (2000-2020): An Overview. Preprint available on PsyArXiv. <https://doi.org/10.31234/osf.io/c5gb8>

López-Nicolás, R., van Aert, R.C.M., **Sandoval-Lentisco A.**, López-López, J.A., & Sánchez-Meca, J. Statistical power of random-effects meta-analyses on clinical psychological interventions.

- Published articles:

Franco-Martínez, A., Rey-Sáez, R., Adrián-Ventura, J., ... **Sandoval-Lentisco, A.**, ... Vadillo, M. A. (in press). Replicating the unconscious working memory effect: A multisite preregistered study. *Neuroscience of Consciousness*.
<https://doi.org/10.1093/nc/niaf046>.

López-López, J.A., López-Nicolás, R., **Sandoval-Lentisco, A.**, Sánchez-Meca, J., Veas-Iniesta, A. Reliability Generalization of the School Attitude Assessment Survey-Revised: A Meta-analytic Structural Equation Modelling Approach. *Journal of Psychoeducational Assessment*.
<https://doi.org/10.1177/07342829251349255>

Sandoval-Lentisco, A., Tortajada, M., López-Nicolás, R., López-López, J. A., Wagenmakers, E. J., Sánchez-Meca, J., & Hardwicke, T. E. (2025). Preregistration of psychology meta-analyses: A cross-sectional study of prevalence and practice. *Advances in Methods and Practices in Psychological Science*, 8(1), 25152459241300113.
<https://doi.org/10.1177/25152459241300113>

Sandoval-Lentisco, A., López-López, J.A., Sánchez-Meca, J. (2024). Frequency of use of the revised Cochrane Risk of Bias tool (RoB 2) in Cochrane and non-Cochrane systematic reviews published in 2023 and 2024. *Research Synthesis Methods* [Letter to the editor]. <https://doi.org/10.1002/JRSM.1755>

Sandoval-Lentisco, A. López-Nicolás, R., Tortajada, M., López-López, J.A., Sánchez-Meca, J. (2024). Transparency in Cognitive Training Meta-analyses: A Meta-review. *Neuropsychology Review*, 1-18. <https://doi.org/10.1007/s11065-024-09638-2>

Tortajada, M., Fahrenfort, J. J., **Sandoval-Lentisco, A.**, Martínez-Pérez, V., Palmero, L. B., Castillo, A., ... & Olivers, C. N. (2024). Decoding load or selection in visuospatial working memory?. *Psychophysiology*, e14636.

Sandoval-Lentisco, A. (2024). Commentary: “Responsible Research Assessment: Implementing DORA for hiring and promotion in psychology”. *Meta-Psychology*, 8. <https://doi.org/10.15626/MP.2022.3655>

López-Nicolás, R., Lakens, D., López-López, J. A., Rubio-Aparicio, M., **Sandoval-Lentisco, A.**, López-Ibáñez, C., ... & Sánchez-Meca, J. (2024). Reproducibility of Published Meta-Analyses on Clinical-Psychological Interventions. *Advances in Methods and Practices in Psychological Science*, 7(1), 25152459231202929. <https://doi.org/10.1177/25152459231202929>

Sandoval-Lentisco, A., Tortajada, M., Palmero, L.B., Campoy, G., Fuentes, L.J., & Martínez-Pérez, V., (2024) Psychometric Properties of the Spanish Clance Impostor Scale (S-CIPS). *Annals of Psychology*, 40(1), 38-43.
<https://doi.org/10.6018/analesps.537361>

Martínez-Pérez, V., **Sandoval-Lentisco, A.**, Tortajada, M., Palmero, L. B., Campoy, G., & Fuentes, L. J. (2024). Self-prioritization effect in the attentional blink paradigm: Attention-based or familiarity-based effect?. *Consciousness and Cognition*, 117, 103607. <https://doi.org/10.1016/j.concog.2023.103607>

Martínez-Pérez, V., Andreu, A., **Sandoval-Lentisco, A.**, Tortajada, M., Palmero, L. B., Castillo, A., ... & Fuentes, L. J. (2023). Vigilance decrement and mind-wandering in sustained attention tasks: Two sides of the same coin?. *Frontiers in Neuroscience*, 17, 1122406. <https://doi.org/10.3389/fnins.2023.1122406>

Sandoval-Lentisco, A., López-Nicolás, R., López-López, J.A., & Sánchez-Meca, J. (2023). Florida Obsessive-Compulsive Inventory and Children's Florida Obsessive Compulsive Inventory: A reliability generalization meta-analysis. *Journal of Clinical Psychology*, 79(1), 28-42. <https://doi.org/10.1002/jclp.23416>

▪ Outreach/Scientific divulgation:

Sandoval-Lentisco, A., Tortajada, M., Martínez-Pérez, V., y López-Nicolás, R. (2024). Una rata generada por IA se cuela en una revista de alto impacto o, de nuevo, las limitaciones del Factor de Impacto de una revista para evaluar la calidad de la investigación científica [An AI-generated rat sneaks into a high-impact journal or, again, the limitations of the Journal Impact Factor in assessing the quality of scientific research]. *Ciencia Cognitiva*, 18:4, 14-16.
<https://www.cienciacognitiva.org/?p=2402>

Martínez-Pérez, V., **Sandoval-Lentisco, A.**, Palmero, L. B., Campoy, G., Fuentes, L. J., & Tortajada, M. (2024). Desmitificando el éxito: el síndrome del impostor y por qué no es del todo malo experimentarlo [Demystifying success: impostor syndrome and why it's not all bad to experience it]. *The Conversation*.
<https://theconversation.com/desmitificando-el-exito-el-sindrome-del-impostor-y-por-que-no-es-del-todo-malo-experimentarlo-224772>

Invited talks

Invited talk for the “critical reading” journal club at the Román Alberca Psychiatric Hospital. Title of the talk: ‘Reproducibility crisis’ in psychology: causes, impact, and positive consequences. (Román Alberca Psychiatric Hospital, 24th June 2025).

Invited talk for the editors of the journal *Psychological Bulletin* presenting the work “Preregistration of psychology meta-analyses: A cross-sectional study of prevalence and practice” (Online, 7th February 2025).

Congresses (selected)

Poster “Is Ego-Depletion Self-Correcting? A Case Study of Citation Patterns Following Preregistered Multi-Lab Studies” by Sandoval-Lentisco, A., Hardwicke, T. E., Vadillo, M. (EAM2025 Congress, Tenerife, July 2025).

Oral communication “Prevalence of preregistration in Psychology: an empirical assessment” by Sandoval-Lentisco, A., Tortajada, M., López-López, J.A., & Sánchez-Meca, J. (SEPEX, Almería, 2024).

Oral communication “Prevalencia y prácticas de preregistro de meta-análisis en Psicología” by Sandoval-Lentisco, A., Tortajada, M., López-Nicolás, R.L., López-López, J.A., & Sánchez-Meca, J. (AEMCCO, Sevilla, 2024).

Poster “An empirical assessment of preregistration practices and prevalence in psychology meta-analyses” by Sandoval-Lentisco, A., Hardwicke, T. E., López-Nicolás, R., Tortajada, M., López-López, J., Wagenmakers, E.J., Sánchez-Meca, J. (EAM2023 Congress, Ghent, July 2023).

Poster “Reproducibility and Data Sharing in Meta-analyses on the Effectiveness of Psychological Interventions” by López-Nicolás, R., Lakens, D., López-López, J.A., Rubio-Aparicio, M., Sandoval-Lentisco, A., López-Ibañez, C., Blázquez-Rincón, D., & Sánchez-Meca, J. (EAM2023 Congress, Ghent, July 2023).

Oral communication “Reproducibilidad analítica de 217 meta-análisis sobre intervenciones clínicas en psicología” by López-Nicolás, R., Lakens, D., López-López, J.A., Rubio-Aparicio, M., Sandoval-Lentisco, A., López-Ibañez, C., Blázquez-Rincón, D., & Sánchez-Meca, J. (AEMCCO, Teruel, 2022).

Oral communication “Transparency and reporting practices of meta-analyses on the effectiveness of cognitive training programs” by Sandoval-Lentisco, A., López-Nicolás, R., Tortajada, M., López-López, J.A., Sánchez-Meca, J. (EAM2021 Congress, Valencia, July 2021).

Organizational activities

- Co-organizer of the METRICS International Forum (Oct 2025 - Present)
- Co-organizer of the ReproducibiliTea Journal Club at the University of Murcia (Feb 2023 - Present) (Bluesky: @reproducibiliteaum.bsky.social; Twitter/X: @ReproTeaUM).

Teaching

- Introduction to Research in Psychology (Fundamentos de investigación en psicología) – Universitat Oberta de Catalunya (Online), Autumn 2025
- Statistical models in psychology (Modelos estadísticos en Psicología) - University of Murcia, Winter 2022 and Winter 2023

- Data analysis in psychology (Análisis de datos en Psicología) - University of Murcia, Winter 2021
- Research methods in psychology (Metodología de la investigación en Psicología) - University of Murcia, Autumn 2020

Student supervision and Mentorship

- **Undergraduate student projects:** Raquel Martinez Olivares (2021/2022, awarded best Undergraduate Thesis Project), Carmen Hurtado Valcarcel (2023/2024).

Awards and Grants

- **Grant for research stay at Ludwig-Maximilians-Universität (LMU)** (Supervisor: Felix Schönbrodt. Grant awarded by the Spanish Ministry of Science, Innovation and Universities, 2024).
- **Grant for research stay at University of Amsterdam** (Supervisor: Tom E. Hardwicke. Grant awarded by the Spanish Ministry of Science, Innovation and Universities, 2022).
- **FPU doctoral grant** (Four-year national grant awarded by the Spanish Ministry of Science, Innovation and Universities, 2020).
- **Grant for attracting talent in undergraduate education** (University of Granada, 2019).
- **Best Undergraduate Thesis Project** (Title: Reliability generalization meta-analysis of the Florida Obsessive-Compulsive Inventory).
- **Research initiation grant** (University of Murcia, 2018/2019).

Projects

- **Teaching innovation project “Online mini-lessons as a complement to traditional teaching”** (Implemented in the subject “Statistical models in psychology”. Awarded by the University of Murcia, 2021-2022).
- **Researcher of the project “Meta-bias in psychological research”**. Grant no. CNS2022-135346. (PI: Miguel A. Vadillo. Awarded by the State Research Agency (AEI), 2023-2025).
- **Researcher of the project “Meta-analyses of clinical interventions: Effect size indexes for two-group pre-test post-test designs**. Grant no. PID2022-137328NB-I0. (PI: Julio Sánchez-Meca. Awarded by the State Research Agency (AEI), 2023-2026).
- **Researcher of the project “Towards a better understanding of heterogeneity in meta-analysis”**. Grant no. 22064/PI/22. (PI: José A. López-López. Awarded by the Seneca Foundation - Science and Technology Agency of the Region of Murcia, 2023-2025).
- **Researcher of the project “Meta-analysis: assessing its replicability and its role in the open science”**. Grant no. PID2019-104080GB-I00. (PI:

Julio Sánchez-Meca. Awarded by the State Research Agency (AEI), 2020-2023).