

William Orwig

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EDUCATION

2021 - 2026 (Expected)	Ph.D.	Harvard University , Cambridge, MA Psychology (Cognition, Brain, and Behavior) Advisor: Daniel Schacter, Ph.D.
2018 - 2019	M.Ed.	Harvard University , Cambridge, MA Mind, Brain & Education
2012 - 2016	B.A.	University of Michigan , Ann Arbor, MI Biopsychology, Cognition & Neuroscience; Spanish Double-Major with Distinction and Honors

RESEARCH

2019 - 2021	Harvard Medical School & Massachusetts General Hospital , Boston, MA Clinical Research Coordinator Advisor: Jorge Sepulcre, Ph.D.
2019 - 2020	Harvard Medical School & Massachusetts General Hospital , Boston, MA Research Consultant Advisor: Sara Lazar, Ph.D.
2015 - 2016	University of Michigan, Department of Psychology , Ann Arbor, MI Honors Thesis Project Advisor: Nansook Park, Ph.D.
2020 - Present	CrossTalk: Conversations at the Intersection of Art and Science Founder & Host in collaboration with the Society for the Neuroscience of Creativity

TEACHING

2016 - 2018	The Fulbright Program , Medellín, Colombia Senior English Teaching Assistant
2015, Fall	University of Michigan, Honors College , Ann Arbor, MI Honors 135 Seminar Professor
2015, Summer	Mind My Education , Berkeley, CA Research Assistant
2013 - 2015	Ann Arbor Languages Partnership , Ann Arbor, MI Mentor Teacher

PUBLICATIONS

1. **Orwig, W.**, Diez, I., Bueichekú, E., Kelly, C.A., Sepulcre, J. & Schacter, D. (in press). Intentionality of self-generated thought: Contributions of mind wandering to creativity. *Creativity Research Journal*.
2. Daviddi, S.*, **Orwig, W.***, Palmiero, M., Campolongo, P., Schacter, D. L., & Santangelo, V. (2022). Individuals with highly superior autobiographical memory do not show enhanced creative thinking. *Memory (Hove, England)*, 1–10.
3. **Orwig, W.**, Diez, I., Vannini, P., Beaty, R., & Sepulcre, J. (2021). Creative connections: Computational semantic distance captures individual creativity and resting-state functional connectivity. *Journal of Cognitive Neuroscience*, 33(3), 499–509.
4. **Orwig, W.**, Diez, I., Bueichekú, E., Vannini, P., Beaty, R., & Sepulcre, J. (2021). Cortical networks of creative ability trace gene expression profiles of synaptic plasticity in the human brain. *Frontiers in Human Neuroscience*, 15, 694274.
5. Montal, V., Diez, I., Kim, C. M., **Orwig, W.**, Bueichekú, E., Gutiérrez-Zúñiga, R., Bejanin, A., Pegueroles, J., Dols-Icardo, O., Vannini, P., El-Fakhri, G., Johnson, K. A., Sperling, R. A., Fortea, J., & Sepulcre, J. (2022). Network Tau spreading is vulnerable to the expression gradients of *APOE* and glutamatergic-related genes. *Science Translational Medicine*, 14(655), eabn7273.
6. Gutiérrez-Zúñiga, R., Diez, I., Bueichekú, E., Kim, C. M., **Orwig, W.**, Montal, V., Fuentes, B., Díez-Tejedor, E., Fernández, M. G., & Sepulcre, J. (2022). Connectomic-genetic signatures in the cerebral small vessel disease. *Neurobiology of Disease*, 167, 105671.
7. Ballance, B. C., Tuen, Y. J., Petrucci, A. S., **Orwig, W.**, Safi, O. K., Madan, C. R., & Palombo, D. J. (2022). Imagining emotional events benefits future-oriented decisions. *Quarterly Journal of Experimental Psychology*, 17470218221086637.
8. Kim, C. M., Montal, V., Diez, I., **Orwig, W.**, Alzheimer's Disease Neuroimaging Initiative (ADNI), & Sepulcre, J. (2021). Network interdigitations of Tau and amyloid-beta deposits define cognitive levels in aging. *Human Brain Mapping*, 42(10), 2990–3004.
9. Bueichekú, E., Gonzalez-de-Echavarri, J. M., Ortiz-Teran, L., Montal, V., d'Oleire Uquillas, F., De Marcos, L., **Orwig, W.**, Kim, C. M., Ortiz-Teran, E., Basaia, S., Diez, I., & Sepulcre, J. (2021). Divergent connectomic organization delineates genetic evolutionary traits in the human brain. *Scientific Reports*, 11(1), 19692.
10. Ruiz de Miras, J., Martínez-Lledó, G., **Orwig, W.**, Sepulcre, J. (2020). A MATLAB tool for computing the spherical harmonic fractal dimension of the cerebral cortex. *Computer Physics Communications*. 254, 107381.

* denotes equal contribution

PRESENTATIONS

Orwig, W. & Seton, R. (2022, August). *Creativity at Rest: Exploring Brain Network Architecture in Creative Experts*. Presented at Schacter Lab Meeting.

Orwig, W., Diez, I., Bueichekú, E., Kelly, C.A., Sepulcre, J. & Schacter, D. (2022, April). *Intentionality of Self-Generated Thought: Contributions of Mind Wandering to Creativity*. Presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA. [poster]

Orwig, W. (2021, June). *Neuroscience of Creativity*. Presented at Schacter Lab Meeting.

Orwig, W., Diez, I., Bueichekú, E., Vannini, P., Beaty, R., & Sepulcre, J. (2021, June). *Cortical Networks of Creative Ability Trace Gene Expression Profiles of Synaptic Plasticity in the Human Brain*. Presented at the Annual Meeting of the Organization for Human Brain Mapping, online. [poster]

Orwig, W., Diez, I., Vannini, P., Beaty, R. & Sepulcre, J. (2020, October). *Creative Connections: Computational Semantic Distance Captures Individual Creativity and Resting-State Functional Connectivity*. Presented at the Annual Meeting of the Society for the Neuroscience of Creativity, online.

Orwig, W. (2020, September). *The Cognitive Neuroscience of Creativity*. Presented at the Cognitive Area Workshop, University of British Columbia, online.

Orwig, W. (2018, March). Keynote: *Academic Lecture Series: Creativity in the Classroom*. Presented at Universidad Pontificia Bolivariana, Medellín, CO.

AWARDS & HONORS

2022	Stimson Fund Research Grant, Harvard University
2022	Stimson Fund Travel Award, Harvard University
2016	Student Achievement Award, University of Michigan, Department of Romance Languages & Literatures
2013 - 2016	Dean's List, University of Michigan (x5)

PROFESSIONAL AFFILIATIONS

Society for the Neuroscience of Creativity, Digital Curator & Member
American Psychological Association, Member
Organization for Human Brain Mapping, Member
Cognitive Neuroscience Society, Member