

LUDMILA D. NUNES

(Revised June 2017)

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CURRENT POSITION

Postdoctoral Research Associate, Center for Instructional Excellence, Purdue University,
2016-present

Supervisor: Chantal Levesque-Bristol

Lecturer in Psychology, Department of Psychological Sciences, Purdue University,
2016-present

PREVIOUS POSITIONS

Postdoctoral Research Associate, Department of Psychological Sciences, Purdue
University, 2013-2016

Supervisor: Jeffrey D. Karpicke

Postdoctoral Fellow, Psychology Research Center (CIP), University of Lisbon, 2013-present

Supervisor: Leonel Garcia-Marques

EDUCATION

PhD., Psychology, Social Cognition, University of Lisbon, 2012

Advisor: Leonel Garcia-Marques

Co-advisor: Henry L. Roediger, III (Washington University in St. Louis)

Visiting Scholar at Washington University in St. Louis, 2009-2010

Advisor: Henry L. Roediger, III

M.A. in Psychology (Mestrado Integrado em Psicologia – Applied Social Cognition),
University of Lisbon, 2008

Advisors: Leonel Garcia-Marques and J. Frederico Marques

B.A. in Psychology (Licenciatura em Psicologia), University of Lisbon, 2006

GRANTS AND AWARDS

Research Grant “Interactions between retrieval and simultaneous or future learning”
PTDC/MHC-PCN/1267/2014 (Foundation for Science and Technology, Portugal), 2015.

Post-Doctoral Grant SFRH / BPD / 86253 / 2012 da Fundação para a Ciência e a
Tecnologia - FCT (Foundation for Science and Technology, Portugal), 2013-2019.

Doctoral Grant SFRH / BD / 48569 / 2008 da Fundação para a Ciência e a Tecnologia - FCT (Foundation for Science and Technology, Portugal), 2008-2012.

Prémio Faculdade de Psicologia/CGD (Award for outstanding graduate student's publication), 2013.

Publication award ISCTE-University Institute of Lisbon, 2011.

RESEARCH INTERESTS

Applying cognitive science to education

- Effective learning strategies and students' beliefs
- Cognitive science and educational technologies

Human memory and learning, specifically:

- Effects of different learning strategies in long-term retention and motivation
- Metacognition and subjective experience associated with learning

Social Cognition, specifically:

- Judgment and decision making
- Interaction between memory and social processes (e.g. semantic memory and impressions of personality)

PUBLICATIONS

Weinstein, Y., Nunes, L. D., & Karpicke, J. D. (2016). On the placement of practice questions during study. *Journal of Experimental Psychology: Applied*, *22*, 72-84.

Nunes, L. D., & Karpicke, J. D. (2015). Retrieval-based learning: Research at the interface between cognitive science and education. In R. A. Scott & S. M. Kosslyn (Eds.), *Emerging Trends in the Social and Behavioral Sciences*.

Garcia-Marques, L., Nunes, L. D., Marques, P., Carneiro, P., & Weinstein, Y. (2015). Adapting to test structure: Letting testing teach what to learn. *Memory*, *23*, 365-380.

Marques, J. F., & Nunes, L. D. (2012). The contribution of language and experience to the representation of abstract and concrete words: Different weights but similar organization. *Memory & Cognition*, *40*(8), 1266-1275.

Nunes, L. D., & Weinstein, Y. (2012). Testing improves true recall and protects against the buildup of proactive interference without increasing false recall. *Memory*, *20*, 138-154.

Garcia-Marques, L., Ferreira, M., Nunes, L. D., Garrido, M., & Garcia-Marques, T. (2010). False Memories and Impressions of Personality. *Social Cognition*, *28*, 556-568.

Mata, R., & Nunes, L. D. (2010). When less is enough: Cognitive aging, information search, and decision quality in consumer choice. *Psychology and Aging*, *25*, 289-298.

Van der Kellen, D., Nunes, L. D., & Garcia-Marques, L. (2008). Sensibilidade e bom senso: Princípios fundamentais da teoria de detecção de sinal na investigação em Psicologia. (*Sense and Sensibility: Fundamental principles of Signal Detection Theory*). *Laboratório de Psicologia*, *6*, 73-89.

MANUSCRIPTS UNDER REVIEW

Nunes, L. D., Garcia-Marques, L., Ferreira, M., & Ramos, T. (under review). Inferential costs of the centrality effect: From organization in memory to impression formation.

Lim, S. W. H., Heng, A. Q. H., Nunes, L. D., & Karpicke, J. D. (in revision). Retrieval Practice Improves Long-Term Question Generation.

MANUSCRIPTS IN PREPARATION

Nunes, L. D., & Karpicke, J. D. (in preparation). Illusions of learning produced by watching educational videos.

Nunes, L. D., Weinstein, Y., & Karpicke, J. D. (in preparation). How taking multiple tests, test expectancy, and memory performance are related.

Nunes, L. D., Smith, M. A., Nichols, C., & Karpicke, J. D. (in preparation). The effects of using elaborative interrogation during study: A meta-analysis.

CONFERENCE PRESENTATIONS

Nunes, L. D., Ravai, G., Erdei, R., & Kodam, S. (2017, June). *The impact of course redesign in students' performance and perceptions – Considerations about Institutional Course Redesign*. Presentation in a panel accepted for presentation at the WEPAN Change Leader Forum: Creating a Mindset for Action, Westminster, CO, USA.

Stamper, T. I., Weidner, L., Nigoghosian, G., M., & Nunes, L. D. (2017, June). *Exposing problems teaching students morphological species identification*. Poster presented at the 2017 meeting of the Society for Wildlife Forensic Science, Edinburgh, Scotland.

Nunes, L. D., (2017, May). *From the Lab to the Classroom: Research at the Interface Between Cognitive Science and Education*. Presentation presented at the 29th APS Annual Convention, Boston, MA, USA.

Laux, C., & Nunes, L. D. (2017, May). *Elaboration of a consistency map of strategic processing in Six Sigma students' projects*. Paper presented at the Fourth International Conference on Lean Six Sigma for Higher Education, West Lafayette, IN, USA.

Ravai, G., Erdei, R., Nunes, L. D., & Kodam, S. (2017, April). *The Introduction of Informal Cooperative Learning into our Programming Laboratories*. Presentation presented at the 18th Annual Midwest SoTL Conference, South Bend, IN, USA.

Nigoghosian, G., Weidner, L. M., Nunes, L. D., & Stamper, T. I. (2017, February). *Teaching Morphological Species Identification to Forensic Science Students: Advantages, Problems and Results*. Poster presented at the 69th American Academy of Forensic Science Annual Meeting, New Orleans, LA, USA.

Lim, S. W., Heng, A. Q., Nunes, L. D., & Karpicke, J. D. (2016, November). *Does retrieval practice improve question generation?* Poster accepted for presentation at the 57th Meeting of the Psychonomic Society, Boston, MA, USA.

Nunes, L. D., Karpicke, J. D., & Lim, S. W. (2016, May). *Features of educational videos that create illusions of learning*. Poster presented at the 28th APS Annual Convention, Chicago, IL, USA.

- Smith, M. A., Nunes, L. D., & Jensen, T. L. (2016, May). *Examining the effectiveness of retrieval-based learning in academically disadvantaged populations*. . Poster presented at the 28th APS Annual Convention, Chicago, IL, USA.
- Nunes, L.D., Whiffen, J., Blunt, J., & Karpicke, J. D. (2015, November). *Negative effects of self-explanation on learning from expository texts*. Poster accepted for presentation at the 56th Meeting of the Psychonomic Society, Chicago, IL, USA.
- Nunes, L.D., Smith, M. A., & Karpicke, J. D. (2015, May). *Beliefs and practices about learning: An online survey*. Poster presented at the 27th APS Annual Convention, New York, NY, USA.
- Weinstein, Y., Nunes, L. D., & Karpicke, J. D. (2014, November). *The Ideal Placement of Practice Quiz Questions*. Presentation at the 55th Meeting of the Psychonomic Society, Long Beach, CA, USA.
- Nunes, L.D., Smith, M. A., & Karpicke, J. D. (2014, November). *Matching Learning Styles and Retrieval Activities*. Poster presentation at the 55th Meeting of the Psychonomic Society, Long Beach, CA, USA.
- Blunt, J., Nunes, L. D., Karpicke, S., & Karpicke, J. D. (2014, November). *Retrieval Practice With Children in the Classroom*. Poster presentation at the 55th Meeting of the Psychonomic Society, Long Beach, CA, USA.
- Nunes, L. D., & Karpicke, J. D. (2014, May). *Watching educational videos: Illusions of learning and actual learning*. 2014 Annual Meeting of the Midwestern Psychological Association, Chicago, IL, USA.
- Nunes, L.D., & Karpicke, J. D. (2014, May). *Watching Online Videos: Learning and Illusions of Learning*. Poster presentation at the 26th APS Annual Convention, San Francisco, CA, USA.
- Nunes, L.D., & Karpicke, J. D. (2013, November). *Illusions of learning produced by watching educational videos*. Poster presentation at the 54th Meeting of the Psychonomic Society, Toronto, Canada.
- Garcia-Marques, L., Marques, P., Nunes, L. D., Carneiro, M. P., & Weinstein, Y. (2013, November). *Adapting to test structure: Letting testing teach what to learn*. 54th Meeting of the Psychonomic Society, Toronto, Canada.
- Karpicke, J. D., Blunt, J. R., Smith, M. A., Nunes, L. D., Grimaldi, P. J., & Karpicke, S. S. (2013, September). *Retrieval-based learning in elementary children: Preliminary findings*. Presentation at the Fall 2013 Institute of Education Sciences Principal Investigator Meeting, Washington, D. C.
- Marques, P., Garcia-Marques, L., Nunes, L. D., Carneiro, P., & Weinstein, Y. (2013, August). *Learning the test structure: Consequences and Adaptive Characteristics*. 15th European Social Cognition Network Transfer of Knowledge Conference (ESCON 2013), Vilnius, Lithuania.
- Marques, P., Garcia-Marques, L., Nunes, L. D., Carneiro, P. & Weinstein, Y. (2013, June). *Aprendendo a Estrutura do Teste: Consequências e características adaptativas*. VIII Simpósio Nacional de Investigação em Psicologia, Aveiro, Portugal.
- Nunes, L. D., Garcia-Marques, & L., Ferreira, M. (2012, November). *Divergent false memories: Inferential costs of the centrality effect*. Poster presentation at the 53rd Meeting of the Psychonomic Society, Minneapolis, MN, USA.
- Rose, N. S., Butler, A. C., Nunes, L. D., & Roediger, H. L. (2012, November). *Variability and testing during learning: Redundant or addictive effects*. Poster presentation at the 53rd Meeting of the Psychonomic Society, Minneapolis, MN, USA.
- Nunes, L. D., Garcia-Marques, & L., Ferreira, M. (2012, September). *Forming impressions of personality: Inferential costs of the centrality effect*. 14th Transfer of Knowledge Conference of the European Social Cognition Network, Estoril, Portugal.

- Nunes, L. D., Garcia-Marques, L., Ferreira, M., & Ramos, T. (2012, March). *Efeito de centralidade: Da organização em memória à formação de impressões*. 6th Meeting of the Portuguese Association of Experimental Psychology, Lisbon, Portugal.
- Nunes, L. D., Sommers, M. S., Garcia-Marques, L., & Marques, P. (2011, November). Sometimes order matters: Order of presentation influences semantic memory but not phonological illusions. Poster presentation at the 52nd Meeting of the Psychonomic Society, Seattle, WA, USA.
- Nunes, L. D., Garcia-Marques, L., & Roediger, H. L. (2011, August). *Serial and Repeated Reproduction of Personality Traits*. 13th Transfer of Knowledge Conference of the European Social Cognition Network, Sligo, Ireland.
- Nunes, L. D., Roediger, H. L., & Garcia-Marques, L. (2010, November). Repeated and serial reproduction of personality traits: Valence and processing goal effects. Poster presentation at the 51st Meeting of the Psychonomic Society, St. Louis, MO, USA.
- Marques, J. F., Kellen, D., & Nunes, L. D. (2010, April). *Language and simulation contributions to the representation of concrete and abstract concepts: Evidence from word associations*. Poster presentation at the 5th Meeting of the Portuguese Association of Experimental Psychology, Lisbon, Portugal.
- Nunes, L. D., Garcia-Marques, L., Ferreira, M., Garrido, M., & Garcia-Marques, T. (2010, January). *DRM and Personality: Using false memories to study the implicit theory of personality*. Poster presentation at the 11th Meeting of the Society for Personality and Social Psychology, Las Vegas, Nevada, USA.
- Marques, J. F., Kellen, D., & Nunes, L. D. (2010, January). *Language and simulation contributions to the representation of concrete and abstract concepts: Evidence from word associations*. Poster presentation at The Representation of Abstract Words, EPS Workshop, London, United Kingdom.
- Nunes, L. D., Garcia-Marques, L., Ferreira, M., Garrido, M., & Garcia-Marques, T. (2009, July). *DRM and Impressions of Personality: The stuff that impressions are made of*. 2nd Meeting of the Heidelberg-Lisbon Lab Exchange Project, Lisbon, Portugal.
- Marques, J. F., Nunes, L. D., & Kellen, D. (2009, April). *Sobre a natureza dos atributos de conceitos de nível básico: Um estudo a partir de normas de associação de palavras*. Poster presentation at the 4th Meeting of the Portuguese Association of Experimental Psychology, Lisbon, Portugal.
- Nunes, L. D., Garcia-Marques, L., Ferreira, M., Garrido, M., & Garcia-Marques, T. (2009, April). *O DREAM comanda a impressão: Formação de falsas memórias de personalidade*. 4th Meeting of the Portuguese Association of Experimental Psychology, Lisbon, Portugal.
- Palma-Oliveira, J. M., Nunes, L. D., & Kellen, D. (2009, January). *Tão longe e tão perto: Percepção e distorção da distância na Área Metropolitana de Lisboa*. X Congress of Environmental Psychology, Lisbon, Portugal.
- Nunes, L. D., & Mata, R. (2008, July). *Cognitive aging and decision quality in consumer choice*. Poster presentation at the XXIX International Congress of Psychology, Berlin.
- Marques, J. F., & Nunes, L. D. (2008, July). *On the Nature of Superordinate Knowledge*. XXIX International Congress of Psychology, Berlin, Germany.
- Mata, R., & Nunes, L. D. (2008, July). *The anatomy of a decision: Cognitive aging and decision making*. 3rd Meeting of the Portuguese Association of Experimental Psychology, Faro, Portugal.
- Nunes, L. D., & Mata, R. (2008, January). *When less is enough: Aging and decision quality in consumer choice*. Poster presentation at the Cognitive Aging Conference, Atlanta, GA, USA.

DEPARTMENT COLLOQUIA

- Nunes, L. D. (2015, November). *Bridging Cognitive Science and Education*. Talk presented at the University of Oregon, College of Education (Dean's Distinguished Colloquium Series), Eugene, OR, USA.
- Nunes, L. D. (2015, January). *Learning and Metacognition: Bridging Cognitive Science and Education*. Talk presented at the Worcester Polytechnic Institute (WPI), Worcester, MA, USA.
- Nunes, L. D., Karpicke, J. D., & Weinstein, Y. (2014, October). *On the ideal placement of practice questions*. Talk presented at the Purdue University Cognitive and Learning/Memory Colloquium, West Lafayette, IN, USA.
- Nunes, L. D., & Karpicke, J. D. (2014, April). *Video learning and illusions of learning*. Talk presented at the Social and Cognitive Colloquium, University of Lisbon, Portugal.
- Nunes, L. D., Garcia-Marques, L., Marques, P., Carneiro, M. P., & Weinstein, Y. (2013, February). *Learning the test structure: How the type of test influences subsequent encoding*. Talk presented at the Purdue University Cognitive and Learning/Memory Colloquium, West Lafayette, IN, USA.
- Nunes, L. D., Roediger, H. L., & Garcia-Marques, L., (2010, September). *False recall of personality traits: Valence and processing goals effects*. Talk presented at the Brain, Behavior, and Cognition Datablitz, Washington University in St. Louis, MO, USA.
- Nunes, L. D., Garcia-Marques, L., Ferreira, M., Garrido, M., & Garcia-Marques, T. (2009, September). *DRM and impression formation: Using false memories to study the implicit theory of personality*. Talk presented at the Social and Personality Brownbag, Washington University in St. Louis, MO, USA.

TEACHING EXPERIENCE

Supervised undergraduate research, 2013-present
Mentored 10 students

Lecturer, Purdue University, 2016-present
Course: PSYC 200, Introduction to Cognitive Psychology

Instructor, University of Lisbon, 2012
Course: Social Psychology

Assistant Instructor, Purdue University, 2014
Course: PSYC 311 Human memory, Instructor: Jeffrey D. Karpicke

Assistant Instructor, Purdue University, 2013
Course: PSYC 624 Human memory and learning, Instructor: Jeffrey D. Karpicke

Invited Lectures:

Memory Reliability. Purdue University. Forensic Investigation, February 2017.

Applied Cognitive Science: Stories from the Educational Field. Berklee College of Music. Introduction to Cognitive Psychology, November 2016.

Beliefs About Learning: Metacognitive Illusions. Berklee College of Music. Introduction to Cognitive Psychology, November 2016.

The Power of Testing. Memory Themes Class. University of Lisbon. Psychology, Integrated Master Course, 2012.

Dissociations between Implicit and Explicit Memory. Memory Themes Class. University of Lisbon. Psychology, Integrated Master Course, 2011.

Working Memory. Memory Themes Class. University of Lisbon. Psychology, Integrated Master Course., 2011.

False Memories. Cognition and Memory Class. ISPA (Higher Institute of Applied Psychology). Master Course in Psychology, 2009.

Semantic Memory. Cognition and Memory Class. ISPA (Higher Institute of Applied Psychology). Master Course in Psychology, 2009.

Working Memory. Memory Themes Class. University of Lisbon. Psychology, Integrated Master Course, 2009.

Implicit Memory. Memory Themes Class. University of Lisbon. Psychology, Integrated Master Course, 2009.

EDITORIAL ACTIVITY

Ad Hoc Reviewer

Applied Cognitive Psychology

Education Research International

Frontiers in Psychology – Section Educational Psychology

Journal of Cognitive Psychology

Journal of Experimental Psychology: Applied

Journal of Experimental Psychology: General

Journal of Memory and Language

Memory

Memory & Cognition

PeerJ

Reading and Writing: An Interdisciplinary Journal

Review of Educational Research

Translational Issues in Psychological Science

PROFESSIONAL AFFILIATIONS AND MEMBERSHIPS

Association for Psychological Science (APS)

Experimental Psychology Portuguese Association (APPE)

Midwestern Psychology Association (MPA)

Psychonomic Society

PROFESSIONAL REFERENCES

Chantal Levesque-Bristol

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Henry L. Roediger, III

James S. McDonnell Distinguished Professor of Psychology
Department of Psychology
Washington University in St. Louis
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St. Louis, MO 63130
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