

## MELTEM KARACA

---

mkaraca@bu.edu | [Google Scholar](#)

---

### EDUCATION

<b>Ph.D.</b>	<b>University of Massachusetts Lowell</b> Applied Psychology and Prevention Science Advisor: Lisa Geraci	2022 <i>Lowell, MA, USA</i>
<b>M.S.</b>	<b>Bilkent University</b> Neuroscience	2017 <i>Ankara, Turkey</i>
<b>B.A.</b>	<b>Bilkent University</b> Psychology	2015 <i>Ankara, Turkey</i>

### ACADEMIC EMPLOYMENT

<b>Assistant Professor of Psychology</b>	Assumption University	2024-present
<b>Postdoctoral Fellow</b>	Center for Translational Cognitive Neuroscience Boston University School of Medicine and VA Boston Healthcare System	2022-2024 <i>Boston, MA</i>
<b>Institutional Researcher</b>	Graduate, Online & Professional Studies University of Massachusetts Lowell	2021-2022 <i>Lowell, MA</i>
<b>Peer Mentor of Instructors</b>	Department of Psychology University of Massachusetts Lowell	2021-2022 <i>Lowell, MA</i>
<b>Instructor of Record</b>	Department of Psychology University of Massachusetts Lowell	2019-2021 <i>Lowell, MA</i>
<b>Research Assistant</b>	Department of Psychology University of Massachusetts Lowell	2017-2019 <i>Lowell, MA</i>
<b>Teaching Assistant</b>	Department of Psychology University of Massachusetts Lowell	2017-2019 <i>Lowell, MA</i>
<b>Teaching Assistant</b>	Department of Psychology Bilkent University	2015-2017 <i>Ankara, Turkey</i>

### RESEARCH INTERESTS

---

Memory and Aging, Memory Disorders, Self-perceptions of Aging, Metacognition, Applying Cognitive Psychology to Educational Practice, Event-related potentials, Correcting Misconceptions

## AWARDS AND SCHOLARSHIPS

---

- Women in Cognitive Science Networking Award, Psychonomic Society, 2022 (\$1000)
- Graduate Research Award, University of Massachusetts Lowell, 2022 (\$500)
- Professional Development Award, University of Massachusetts Lowell, 2022 (\$500)
- Minority Workshop Award by Society of Multivariate Experimental Psychology to attend 3-day Multilevel Modeling Workshop, 2021 (\$475)
- Graduate Teaching Award, University of Massachusetts Lowell, 2021 (\$500)
- Professional Development Award, University of Massachusetts Lowell, 2021 (\$500)
- Lighting Talk Award (1<sup>st</sup> Place), Research Symposium at the University of Massachusetts Lowell, 2019 “*The dark side of interpolated testing: Does retrieval practice protect against task-switching cost?*” (\$250)
- Full Scholarship in Graduate Studies: MS Program in Neuroscience, Bilkent University, 2015-2017
- Pre-PhD Travel Award, Berlin School of Mind and Brain, Humboldt University, 2016
- Successive Merit Undergraduate Scholarship Award, Bilkent University, 2013-2015

## GRANTS AND FELLOWSHIPS

---

- Faculty of Health and Social Sciences Student Assistantship Program Research Funding in University of Massachusetts Lowell, 2020 (\$2160)
- TUBITAK (the Scientific and Technological Research Council of Turkey) 2224-A Conference Travel Grant for Graduate Students, 2016 Budget: 2162 TL. (approximately \$1,081 at the time of funding)
- TUBITAK 2209 National/International Research Projects Fellowship Programme for Undergraduate Students-A (2015-1), 2015 Budget: 1100 TL. (approximately \$520 at the time of funding)

## PEER-REVIEWED PUBLICATIONS

---

Note. \* Denotes undergraduate co-author.

Lithander, M. P. G., Geraci, L., **Karaca, M.**, & Hunsberger, R. (2024). The effect of correcting neuromyths on students’ and teachers’ later reasoning. *Journal of Intelligence*, 12(10), 98. <https://doi.org/10.3390/jintelligence12100098>

**Karaca, M.**, Geraci, L., Kurpad, N., Lithander, M. P. G., & Balsis, S. (2023). Low-performing students confidently overpredict their grade performance throughout the semester. *Journal of Intelligence*, 11(10), 188. <https://doi.org/10.3390/jintelligence11100188>

**Karaca, M.**, Geraci, L., Tirso, R., & \*Aube, J. (2023). The relationship between older adult’s subjective age and perceived effort on cognitive tasks. *Experimental Aging Research*. 50(2), 248–278. <https://doi.org/10.1080/0361073X.2022.2145163>

- Lithander, M. P. G., Geraci, L., **Karaca, M.**, & Rydberg, J. (2021) Correcting neuromyths: A comparison of different types of refutations. *Journal of Applied Research in Memory and Cognition*, 10(4), 577-588. <https://doi.org/10.1016/j.jarmac.2021.03.006>
- Telesco, P., **Karaca, M.**, \*Ewing, H., \*Gilbert, K., \*Lipitz, S., & Weinstein-Jones, J. (2021). Does retrieval practice enhance memorization of piano melodies? *College Music Society*, 61(2), 1-23. <https://doi.org/10.18177/sym.2021.61.sr.11525>
- Karaca, M.**, Kurpad, N., Wilford, M. M., & Davis, S. D. (2020). Too much of a good thing: Frequent retrieval can impair immediate new learning. *Memory*, 28(10), 1181-1190. <https://doi.org/10.1080/09658211.2020.1826526>
- Besken, M., \*Solmaz, E., C., **Karaca, M.**, & Atilgan, N. (2019). Not all perceptual difficulties lower memory predictions: Testing the perceptual fluency hypothesis with rotated and inverted object images. *Memory & Cognition*, 47(5), 906-922. <https://doi.org/10.3758/s13421-019-00907-7>

## PRESENTATIONS

---

Note. \*Denotes undergraduate co-author

### Peer-reviewed Oral Presentations:

- Karaca, M.**, Geraci, L., & Wang, Y., (2022, April). *Do older adults remember more positive memories when they feel older than their chronological age?* Talk presented at the bi-annual Cognitive Aging Conference, Atlanta, GE, USA.
- Karaca, M.**, Lithander, M., & Geraci, L. (2021, July). *Learning by retrieval practice: Is it effective for learning statistical concepts?* Talk presented at the virtual meeting of the Society of Applied Research in Memory and Cognition.
- Lithander, M., **Karaca, M.**, & Geraci, L. (2021, July). *Correcting neuromyths: A comparison of different types of refutations and continued Influence.* Talk presented at the virtual meeting of the Society of Applied Research in Memory and Cognition.
- Kurpad, N., **Karaca, M.**, Wilford, M. M., & Davis, S., (2021, July). *Can retrieval practice eliminate the cost of task-switching, even after a delay?* Talk presented at the virtual meeting of the Society of Applied Research in Memory and Cognition.
- Karaca, M.**, Atilgan N., & Besken, M. (2016, May). *Testing the perceptual fluency hypothesis through inverted pictures.* Talk presented at the International Conference on Memory, Budapest, Hungary.

### Peer-reviewed Poster Presentations:

Hagan, B., **Karaca, M.**, Waskow, E., Turk, K. & Budson, A. E., (2023, July). *Dementia as a disorder of consciousness*. Poster presented at Association of Scientific Studies of Consciousness, New York City, NY, USA.

Morreale, K., Marin, A., **Karaca, M.**, Hagan, B., Chadalavada, M., DeCaro, R., Brown, E., Salat, D., Budson, A. E., & Turk, K. (2023, July). *The relationship between event-related potentials and MRI cortical atrophy in a memory disorders clinic*. Poster presented at the Alzheimer's Association International Conference, Amsterdam, Netherlands.

**Karaca, M.**, \*Aube, J., Geraci, L., & Tirso, R. (2022, April). *The relationship between subjective age and perceived effort in older adults*. Poster presented at the Cognitive Aging Conference 2022, Atlanta, GE, USA.

**Karaca, M.**, Lithander, M., & Geraci, L. (2021, November). *Examining the use of retrieval practice for learning statistics*. Poster presented at the annual Psychonomic Society conference, Virtual Meeting.

Lithander, M., **Karaca, M.**, \*Dipano, M., & Geraci, L. (2020, November). *Examining the effect of corrections on the continued influence of neuromyths*. Poster presented at the annual Psychonomic Society conference, Virtual Meeting.

Lithander, M., Geraci, L., & **Karaca, M.** (2019, November). *Correcting neuromyths: A comparison of interventions*. Poster presented at the annual Psychonomic Society conference, Montréal, Québec, Canada.

**Karaca, M.**, Kurpad, N., Wilford, M. M., & Weinstein, Y. (2019, June). *The dark side of interpolated testing: Does retrieval practice protect against the task-switching cost?* Poster presented at the bi-annual meeting of the Society for Applied Research in Memory and Cognition, Cape Cod, MA, USA.

**Karaca, M.**, \*Ewing, H., Telesco, P., & Weinstein-Jones, Y. (2019, February). *The effect of retrieval practice on long-term retention of musical notes*. Poster presented at the Harvard University Music Conference, Boston, MA, USA.

Lithander, M., **Karaca, M.**, Sumeracki, A., M., & Weinstein, Y. (2018, November). *The effects of religious practice and education on beliefs in neuromyths*. Poster presented at the annual Psychonomic Society conference, New Orleans, LA, USA.

\*Bilgin, E., **Karaca, M.**, \*Ersin, M., & Besken, M. (2018, November). *Vividness and fluency of autobiographical memories*. Poster presented at the annual meeting of National Psychology conference. Ankara, Turkey.

**Karaca, M.**, \*Ewing, H., Telesco, P., & Weinstein, Y. (2018, May). *Application of retrieval practice to music memorization*. Poster presented at the annual meeting of the Association for Psychological Science, San Francisco, CA, USA.

**Karaca, M., & Clarke, A.** (2017, October). *The effect of task on cue usefulness for visual scene classification*. Poster presented at the annual meeting of the New England Psychological Association, Newton, MA, USA.

**Karaca, M., Atilgan, N., & Besken, M.** (2016, May). *The picture generation effect on memory and metamemory and its relationship with perceptual fluency hypothesis*. Poster presented at the 3<sup>rd</sup> International Symposium on Brain and Cognitive Science, Istanbul, Turkey.

**Karaca, M., Atilgan, N., & Besken, M.** (2015, May). *Testing the perceptual fluency hypothesis and its relationship with metamemory*. Poster presented at the annual meeting of Bilkent University Student Presentations, Ankara, Turkey.

Atilgan, N., **Karaca, M.**, Kafalıgonul M., & Boyacı, H. (2015, May). *Effect of integration of visual and auditory information on attention and cognitive performance*. Poster presented at the annual meeting of Bilkent University Student Presentations, Ankara, Turkey.

#### **Invited Talks:**

01/2021, Integrating Metacognition through Innovative Teaching Strategies within Content Moderation Practice. Concentrix. Toronto, Ontario, Canada.

12/2020, Examining Methods to Improve Students' Learning Performance and Understanding the Relationship between Self-Perceptions of Aging and Memory. Schacter Memory Lab at Harvard University. Cambridge, MA, USA.

#### **RESEARCH MENTORSHIP**

---

Supervised undergraduate research, directed studies, and Honors theses:

- Myna Chadalavada, M.S., Research Assistant, Boston University
- Kristina Morreale, M.A., Research Assistant, VA Boston
- Andrea Ruf, PsyD in Clinical Psychology, William James College
- Tala Taheri, PsyD in Clinical Psychology, William James College
- Jonathan Aube, Honors Thesis, University of Massachusetts Lowell
- Caroline Finn, Directed Research in Psychology, University of Massachusetts Lowell
- Sophie Tamarkin, Directed Research in Psychology, University of Massachusetts Lowell
- Aifuwa Asemota, Research Service Learning in Psychology, University of Massachusetts Lowell
- Megan Witkowski, Directed Research in Psychology, University of Massachusetts Lowell
- Hayley Cooper, Directed Research in Psychology in University of Massachusetts Lowell
- Alexander Lacasse, Directed Research in Psychology in University of Massachusetts Lowell
- Ezgi Bilgin, Senior Thesis in Psychology in Bilkent University
- Melike Ersin, Directed Research in Psychology in Bilkent University