

# Aytaç Karabay

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## **EDUCATION**

**Ph.D., Cognitive Neuroscience**, University of Groningen, Groningen-NL 2019 (expected)

Topic: Cognitive Neuroscience

Dissertation: *From Stimulus to Representation: Target Identification in Rapid Serial Visual Presentation*

Thesis advisor: Elkan G. Akyürek, Monicque Lorist

**M.A., Experimental Psychology**, CUNY-Brooklyn College, NY-USA 2015

Topic: Experimental Psychology

Thesis: *Perceptual Grouping by Orientation Coherence*

Thesis advisor: Daniel D. Kurylo

**B.A., Psychology**, Ankara University, Ankara-Turkey 2011

Thesis: *Differences Between Voluntary and Involuntary Autobiographical Memories*

Thesis advisor: Nurhan Er

## **EXPERIENCE**

### **Research Experience**

**Ph.D. Candidate**, University of Groningen, 2015-2019

Worked in Elkan Akyürek's visual cognition lab, the research topic was visual attention and visual working memory.

**Research Assistant**, CUNY-Brooklyn College, 2014-2015

Volunteer lab-assistant in animal-vision psychophysics lab

### **Teaching Experience**

**Teaching Assistant**, University of Groningen, 2017-2019

Courses: Honors Research Practicum, Academic Skills

## **PUBLICATIONS**

### **Journal Articles**

**Karabay, A.** & Kurylo, D. D. (2020). Discriminating Global Orientation of Two Element Sets. *Journal of Cognition*. (in press)

**Karabay, A.** & Akyürek, E. G. (2019). Temporal integration and attentional selection of color and contrast target pairs in rapid serial visual presentation. *Acta Psychologica*, 196, 56–69. doi:10.1016/j.actpsy.2019.04.002

**Karabay, A.**, Saija, J. D., Field, D. T., & Akyürek, E. G. (2018). The acute effects of cocoa flavanols on temporal and spatial attention. *Psychopharmacology*, 235(5), 1497–1511. doi:10.1007/s00213-018-4861-4

**Karabay, A.** & Akyürek, E. G. (2017). The effects of Kanizsa contours on temporal integration and attention in rapid serial visual presentation. *Attention, Perception, & Psychophysics*, 79(6), 1742–1754. doi:10.3758/s13414-017-1333-6

### **Book Chapters**

Cotton, R. (2013). *Learning R* (Sünbül, Ö., Sünbül, S. Ö., & **Karabay, A.**, Trans). Pegem Press. İstanbul, Turkey. (in press)

## **PRESENTATIONS**

### **Oral Presentations**

**Karabay, A.**, Wang, J., Martens, S., & Akyürek, E. G. (2019, September). The Attentional Blink: Binary Or Gradual? Oral session presented at the 21st Conference of the European Society for Cognitive Psychology (ESCoP) in Tenerife, Spain.

Kandemir, G., **Karabay, A.**, & Akyürek, E. G. (2019, September). Decoding Sensory and Abstract Information From Activity Silent Brain States. Oral session presented at the 21st Conference of the European Society for Cognitive Psychology (ESCoP) in Tenerife, Spain.

**Karabay, A.**, Saija, J., David, F., & Akyürek, E.G. (2017, December). The Acute Effects of Cocoa Flavanols on Temporal and Spatial Attention. Oral session presented at the winter conference 2017 of De Nederlandse Vereniging voor Psychonomie in Egmond, Netherlands.

Er, N., **Karabay, A.**, Kaynar, G., Uysal, M. M., & Boyraz F. U. (2012, May). İstemli & İstemsiz Otobiyografik Anılarda Yaşa Bağlı Değişimler (Variations of Voluntary and Involuntary Autobiographical Memories Depending on Age). Oral Session presented at the 17th National Psychology Congress in İstanbul, Turkey.

**Karabay, A. & Çakmak, M.A.** (2009, July). Engellenme Karşısında Verilen Tepkiler İle Kişilik Tiplerinin Ve Yükleme Çeşitlerinin İlişkisi (The Relationship between Frustration Responses, Personality Types, and Attribution). Oral session presented at the 14th Ulusal Psikoloji Öğrencileri Kongresi (14th National Conference of Psychology Students) in Istanbul, Turkey.

### **Poster Presentations**

Altınok, A., **Karabay, A.**, & Akyürek, E. G. (2019, September). The Acute Effects Of Cocoa Flavanols On Visual Working Memory. Poster session presented at the 21st Conference of the European Society for Cognitive Psychology (ESCoP) in Tenerife, Spain.

Kandemir, G., **Karabay, A.**, & Akyürek, E. G. (2019, February). Decoding Visual Working Memory Before and After Mental Operations. Poster Session presented at the BCN Winter Meeting in Twente, Netherlands.

**Karabay, A.** & Akyürek, E. G. (2018, May). Target Color and Contrast Influences Temporal Attention in Rapid Serial Visual Presentation. Poster Session presented at the International meeting of the Psychonomics Society in Amsterdam, Netherlands.

**Karabay, A.** & Akyürek, E. G. (2017, September). Target Color and Contrast Influences Temporal Attention in Rapid Serial Visual Presentation. Poster Session presented at the 20th Conference of the European Society for Cognitive Psychology (ESCoP) in Potsdam, Germany.

**Karabay, A.** & Akyürek, E. G. (2017, August). Target Color and Contrast Influences Temporal Attention in Rapid Serial Visual Presentation. Poster Session presented at the 40th European Conference on Visual Perception (ECVP) in Berlin, Germany.

**Karabay, A.** & Akyürek, E. G. (2017, April). Kanizsa Effects on Temporal Integration and Attention. Poster session presented at the Heymans Symposium in Groningen, Netherlands.

**Karabay, A.** & Kurylo, D.D. (2015, May). Perceptual Grouping by Orientation Coherence. Poster Session presented at the Science Day, Brooklyn College in NY, the US.

Er N., **Karabay, A.**, Kaynar G., Uysal M. M., & Boyraz F. U. (2012, April). Autobiography Of Aging Mind: Age-Related Effects On Voluntary And Involuntary Autobiographical Memories. Poster Session presented at the IX International Cognitive Neuroscience Meeting in Istanbul, Turkey.

### **GRANTS & FELLOWSHIPS**

**YLSY Scholarship** from *Ministry of National Education, Turkey* from 2012 to 2019. Full coverage of tuition, stipend and partial coverage of research costs for both master`s degree and Ph.D.

### **ORGANIZED WORKSHOP & SEMINARS**

**Mindwise Blog-Writing Workshop** (2019) – “Writing in a conversational style / Academic writing vs. blogging”

### **RELEVANT SKILLS**

**Technical proficiency:** JASP (*advanced*); SPSS (*advanced*); Matlab (*moderate*); Python (*moderate*); R (*moderate*); OpenSesame (*advanced*); E-prime (*moderate*); MS Office (*advanced*)

**Language Skills:** Turkish (*native*); English (*advanced*); Dutch (*beginner*)

### **SELECTED CERTIFICATES**

**Teaching and Mentoring in Academic Learning communities** (2019) – Teaching Unit Psychology, University of Groningen, Groningen, the Netherlands

**Multivariate pattern analyses (MVPA) in EEG/MEG** (2018) – Experimenteel-Psychologische Onderzoekschool, Amsterdam, the Netherlands

**Autumn school: Attention** (2017) - Experimenteel-Psychologische Onderzoekschool, Amsterdam, the Netherlands

### **OTHER PROFESSIONAL EXPERIENCE**

**Manager-Psychologist** at Belinay Special Education and Rehabilitation Center, Ankara-Turkey (04/2013-09/2013)

**Psychologist** at Durusu Special Education and Rehabilitation Center, Ankara-Turkey (06/2011-01/2012)

**Intern Psychologist (volunteer)** at Sincan L Type Prison, Ankara-Turkey (01/2010-06/2010)

**Intern Psychologist (volunteer)** at Gazi Social Service and Children Protection Institution, Ankara-Turkey (01/2010-06/2010)