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## Education & Employment

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<b>University of Groningen</b> <i>Guest Scientist, Experimental Psychology Department</i> Groningen, the Netherlands Collaboration: Prof Dr. Elkan Akyurek & Dr. Wouter Kruijne	2025 – present
<b>Leibniz Research Centre for Working Environment and Human Factors</b> <b>Ruhr University Bochum</b> <i>Psychology PhD Candidate</i> Dortmund, Germany Advisor: Dr. Daniel Schneider	2023 – present
<b>Sabancı University</b> <i>Cognitive Psychology MSc</i> , Cumulative GPA: 3.95/4.0 Istanbul, Turkey Advisor: Dr. Eren Günseli	2021 – 2023
<b>Middle East Technical University</b> <i>Psychology BSc (NCC Program)</i> , Cumulative GPA: 3.90/4.0 Mersin, Turkey	2017 – 2021

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## Publications

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- Özdemir, Ş., Günseli, E., & Schneider, D. (2025). Motor control processes moderate visual working memory gating. *The Journal of Neuroscience*. <https://doi.org/10.1523/JNEUROSCI.0673-25.2025>
- Özdemir, Ş., Şentürk, Y. D., Ünver, N., Demircan, C., Olivers, C. N., Egner, T., & Günseli, E. (2024). Effects of context changes on memory reactivation. *The Journal of Neuroscience*, 44(36). <https://doi.org/10.1523/jneurosci.2096-23.2024>
- Altaytaş, A. F.\* , Armağan, I. C.\* , Gulpinar, A.\* , Özdemir, Ş.\* , & Karakale, O. (2023). Social emotional processes during the third wave of COVID-19: Results from a close replication study in a Turkish sample. *International journal of psychology: Journal international de psychologie*, 58(5), 456–464. <https://doi.org/10.1002/ijop.12921> \*shared first authorship

## Ongoing Research

### Writing Stage

Sabo, M., Özdemir, Ş., Schneider D. Weakening long-term memory representations via interference in working memory. (final reviews before preprint)  
[https://osf.io/q8dfh?mode=&revisionId=&view\\_only=](https://osf.io/q8dfh?mode=&revisionId=&view_only=)

Ataseven N., Özdemir, Ş., Schneider D., Kruijne W., & Akyurek E. G. Revealing the effect of regularities on representations in visual working memory. (first draft)

### Data Analysis Stage

Özdemir, Ş. , Schneider, D. Effects of action uncertainty on working memory interference.  
<https://osf.io/a7c3f>

**Özdemir, Ş., Ataseven N., Kruijne W., Akyurek E. G., & Schneider, D.** Key features of motor code formation in working memory.

Günseli, E., **Özdemir, Ş.**, Güler, B., Vogel, E., Awh, E. Top-down control over the precision of working memory representations.

#### **Data Collection Stage**

Ataseven N., **Özdemir, Ş.**, Schneider D., Kruijne W., & Akyurek E. G. Investigating the retention of task irrelevant original orientations after mental rotation.

#### **Professional Presentations & Symposia**

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**Psychology and Brain Conference (PuG)** Würzburg, Germany, 2025

**Poster**

**Özdemir, Ş., Günseli, E. & Schneider, D.** Action Control and Working Memory Interference

**Vision Science Society (VSS) Annual Meeting** Florida, USA, 2025

**Poster**

**Özdemir, Ş., Günseli, E. & Schneider, D.** Task-relevant actions trigger automatic working memory updating

**Conference of Experimental Psychologists (TeaP)** Frankfurt, Germany, 2025

**Symposium Organizer/Chair**

Goal-oriented information processing: Adaptive working memory

Presenters: Sven Ohl, Wouter Kruijne, Saskia Fohs, Giuliana Giorjiani, Sahcan Özdemir

**Talk**

**Özdemir, Ş., Günseli, E. & Schneider, D.** The role of motor representations for working memory when dealing with interference

**Society for Psychophysiological Research (SPR) Meeting** Prague, Czech Republic, 2024

**Poster**

**Özdemir, Ş., Günseli, E. & Schneider, D.** The role of motor representations for working memory when dealing with interference: new evidence by neural oscillations

**Working Memory Symposium** Online, 2024

**Talk**

**Özdemir, Ş., Günseli, E. & Schneider, D.** The role of motor preparations in working memory gating

**Psychology and Brain Conference (PuG)** Hamburg, Germany, 2024

**Poster**

**Özdemir, Ş., Günseli, E. & Schneider, D.** The role of motor representations for working memory when dealing with interference: New evidence by neural oscillations

**European Society for Cognitive Psychology Meeting (ESCOL)** Porto, Portugal, 2023

**Poster**

**Özdemir, Ş., Öztürk, Y., Ünver, N., Egner, T., Olivers, C.N.L., & Günseli, E.** Effects of Context Changes on Memory Reactivations

**Working Memory Symposium** Online, 2023

**Talk**

**Özdemir, Ş., Öztürk, Y., Ünver, N., Egner, T., Olivers, C.N.L., & Günseli, E.** Effects of Context Changes on Memory Reactivations

Invited Talks

University of Groningen Experimental Psychology Department Colloquium	Groningen, the Netherlands, 2025
Vrije Universiteit Amsterdam Faculty of Behavioural and Movement Sciences Organized by Proactive Brain Lab (Dr. Freek van Ede)	Amsterdam, the Netherlands, 2024
Ruhr University Bochum Colloquium by Prof. Dr. Jonas Rose	Bochum, Germany, 2025

## **Teaching Experience**

Teaching Assistant, **Sabancı University** 2021 – 2023  
PSY310: Cognitive Processes  
- Held office hours and review sessions  
PSY201: Mind & Behavior  
- Graded assignments and exams

### **Awards and Scholarships**

**Full scholarship granted by Sabancı University** Sep 2021 – Jan 2023  
Accommodation, tuition waiver, and a monthly allowance are awarded by an evaluation regarding the academic merit upon acceptance into the master’s program by the Department of Psychology

**Merit Scholarship granted by Middle East Technical University** Sep 2018 – June 2021  
Awarded to students in the top 3% of their program, this scholarship includes a monthly allowance

## Skills

## Data Acquisition

### **EEG, Eye Tracking**

## Data Analysis and Programming

MATLAB, Python, R, C

## Experimental Programming

Psychtoolbox, PsychoPy

## **References (available upon request)**

PD. Dr. Daniel Schneider

*PhD Supervisor, Principal Investigator*

Leibniz Research Centre for Working Environment and Human Factors

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Asst. Prof. Dr. Eren Günseli

*Master's Degree Supervisor, Principal Investigator*

Sabancı University

eren.gunseli@sabanciuniv.edu

Prof Dr. Elkan Akyürek

## **PROF. EIKAH AKYUREK** Collaborator/Research Visit

Collaborator/Researcher  
University of Groningen

e.g. akyurek@rug.nl