

Education & Employment

University of Groningen

2025 – present

Guest Scientist, Experimental Psychology Department

Groningen, the Netherlands

Collaboration: Prof Dr. Elkan Akyurek & Dr. Wouter Kruijne

Leibniz Research Centre for Working Environment and Human Factors

2023 – present

Ruhr University Bochum

Psychology PhD Candidate

Dortmund, Germany

Advisor: Dr. Daniel Schneider

Sabancı University

2021 – 2023

Cognitive Psychology MSc, Cumulative GPA: 3.95/4.0

Istanbul, Turkey

Advisor: Dr. Eren Günseli

Middle East Technical University

2017 – 2021

Psychology BSc (NCC Program), Cumulative GPA: 3.90/4.0

Mersin, Turkey

Publications

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.*, Armagan, 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=

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

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, Guiliana Giorjani, 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 (ESCOP)

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, **Sabanci 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 Sabanci 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
schneiderd@ifado.de

Asst. Prof. Dr. Eren Günseli

Master's Degree Supervisor, Principal Investigator

Sabanci University
eren.gunseli@sabanciuniv.edu

Prof Dr. Elkan Akyürek

Collaborator/Research Visit

University of Groningen
e.g.akyurek@rug.nl