

Asst. Prof. Buse Merve Ürgen

Personal Information

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International Researcher IDs

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Biography

Buse Merve Ürgen is an Assistant Professor at the Department of Psychology, TED University. She received her PhD in Neuroscience from Bilkent University, Turkey in 2021. She did her BA in Psychology at Bilkent University (2011), and MS in Cognitive Neuroscience at University College London, UK (2012). Following her PhD, she worked as a postdoctoral researcher at Aysel Sabuncu Brain Research Center and National Magnetic Resonance Research Center (UMRAM). Her primary research interest is to understand how top-down mechanisms such as expectation and attention affect visual perception and decision-making processes using psychophysics, computational modeling and functional magnetic resonance imaging (fMRI).

Education Information

Doctorate, Ihsan Dogramaci Bilkent University, Institute Of Engineering And Natural Sciences, Neuroscience, Turkey
2014 - 2021

Postgraduate, University College London, Faculty of Brain Sciences, Institute of Cognitive Neuroscience, Cognitive Neuroscience, England 2011 - 2012

Undergraduate, Ihsan Dogramaci Bilkent University, Faculty Of Economics, Administrative And Social Sciences, Department Of Psychology, Turkey 2006 - 2011

Research Areas

Psychology

Academic Titles / Tasks

Assistant Professor, TED University, Faculty of Arts and Sciences, Department of Psychology, 2022 - Continues
2022 - Continues

Courses

Sensation and Perception, Undergraduate

Graduation Paper and Seminar, Undergraduate, 2021 - 2022

Biopsychology, Undergraduate, 2021 - 2022

Current Topics in Cognitive Psychology, Undergraduate, 2022 - 2023, 2021 - 2022

Selected Topics in Psychology, Undergraduate, 2022 - 2023

Cognitive Psychology, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Factors governing the assignment of visual consequence to the corresponding action**
Reichenbach A., Ürgen B. M., Apostolakis S., Michlin L., Diedrichsen J.
Journal of Neurophysiology, vol.127, no.3, pp.756-766, 2022 (SCI-Expanded)
- II. **Cortical connectivity in the face of congenital structural changes—A case of homozygous LAMC3 mutation**
Demirayak P., Karli Oguz K., Ustun F. S., Ürgen B. M., Topac Y., Gilani I., Kansu T., SAYGI S., Ozcelik T., Boyaci H., et al.
Brain and Behavior, vol.11, no.8, 2021 (SCI-Expanded)
- III. **Unmet expectations delay sensory processes**
Ürgen B. M., Boyaci H.
Vision Research, vol.181, pp.1-9, 2021 (SCI-Expanded)
- IV. **Homozygous LAMC3 mutation links to structural and functional changes in visual attention networks**
Ürgen B. M., Topac Y., Ustun F. S., Demirayak P., Oguz K. K., Kansu T., SAYGI S., Ozcelik T., Boyaci H., Doerschner K.
NeuroImage, vol.190, pp.242-253, 2019 (SCI-Expanded)