

Anna Dreneva, Ph.D.
Assistant Professor
Department of Psychology and Behavioural Sciences
Aarhus University
Bartholins Allé 11, 1351, 417
8000 Aarhus C, Denmark
E-mail: anna.dreneva@psy.au.dk



Education

- 01 Dec 2021 PhD in *Cognitive Psychology*
Department of Psychology, Lomonosov Moscow State University, Russia
Title: “*Extrafoveal perception of geometric shapes: General tendencies and individual variations*”.
- 2015 – 2018 Postgraduate Studies in *Psychology Research and Teaching* (216 ECTS)
Department of Psychology, Lomonosov Moscow State University, Russia
- 2010 – 2015 Specialist (BS+MS equivalent) in *Clinical Psychology*
Diploma with Honours
Department of Psychology, Lomonosov Moscow State University, Russia

Academic experience

- 2026 – *Assistant Professor*
Department of Psychology and Behavioural Sciences, Aarhus University, Denmark
- 2024 – 2026 *Postdoc*
Department of Health Technology, Technical University of Denmark, Denmark
- 2022 – 2024 *Postdoc*
Department of Management, Aarhus University, Denmark
- 2019 – 2022 *Researcher*
Department of Psychology, Lomonosov Moscow State University, Russia
- 2016 – 2018 *Research Assistant*
Neurocognitive Laboratory, National Research Center of Pediatric Hematology, Oncology and Immunology, Russia

Research areas

Visual attention and perception; Eye tracking; Visual search; Perceptual decision making; Individual differences

Teaching areas

Cognitive psychology

Academic service

- A country representative for Denmark in the *Nordic Vision Science Network (NVSN)* and a member of the network’s steering group, contributing to strategic and organizational decisions.
- An invited reviewer for prestigious journals, such as *Visual Cognition*, *Cerebellum*, *Vision*, *Heliyon*, *Trends in Hearing*.

Selected publications

1. Chumachenko, D., Shvarts, A., **Dreneva, A.**, & Krichevets, A. (2025). Eye movements in the development of geometric shape recognition: from sensory-motor processes to theoretical perception. *Educational Studies in Mathematics*, 118(3), 529-554.
2. Larigaldie, N., **Dreneva, A.**, & Orquin, J. (2024) eyeScrollR: A software method for reproducible mapping of eye tracking data from scrollable web pages. *Behavior Research Methods*, 56(4), 3380-3395.
3. Neshitov, A., Tyapochkin, K., Kovaleva, M., **Dreneva, A.**, Surkova, E., Smorodnikova, E., & Pravdin, P. (2023). Estimation of cardiorespiratory fitness using heart rate and step count data. *Scientific Reports*, 13, 15808.
4. Mironets, S., Shurupova, M., & **Dreneva, A.** (2022). Reading in Children Who Survived Cerebellar Tumors: Evidence from Eye Movements. *Vision*, 6(1), 10.
5. **Dreneva, A.** & Devyaterikova, A. (2022). Comparative Analysis of Cognitive, Motor, and Visual-Motor Functions in Pediatric Acute Lymphoblastic Leukemia Survivors With and Without Allogeneic Hematopoietic Stem Cell Transplantation. *Archives of Clinical Neuropsychology*, 37(7), 1493-1501.
6. **Dreneva, A.**, Shvarts, A., Chumachenko, D., & Krichevets, A. (2021). Extrafoveal Processing in Categorical Search for Geometric Shapes: General Tendencies and Individual Variations. *Cognitive Science*, 45(8), e13025.
7. **Dreneva, A.**, Chernova, U., Ermolova, M., & MacInnes, W. J. (2021). Attention Trade-Off for Localization and Saccadic Remapping. *Vision*, 5(2), 24.
8. **Dreneva, A.** & Krichevets, A. (2021). Analysis of Individual Categorical Visual Search Strategies. *Neuroscience and Behavioral Physiology*, 51(9), 1-6.
9. **Dreneva, A.** & Skvortsov, D. (2020). Postural balance in pediatric posterior fossa tumor survivors: Through impairments to rehabilitation possibilities. *Clinical Biomechanics*, 71, 53-58.
10. Soldatova, G., Chigarkova, S., & **Dreneva, A.** (2019). Features of media multitasking in school-age children. *Behavioral Sciences*, 9(12), 130.

Languages

Danish (C1)

English (C1)

Russian (native)