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## EMPLOYMENT

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Postdoctoral Researcher (Apr 2024–present), Dept of Psych, Vanderbilt U, Nashville, TN, USA  
*Tong Lab, under the supervision of Dr. Frank Tong*

Postdoctoral Researcher (Sep 2022–Jan 2024), Fac of Psych & Edu Sciences, U of Coimbra, PORTUGAL(PT)  
*Proaction Lab, under the supervision of Dr. Jorge Almeida*

Postdoctoral Researcher (June–August 2022), Dept of Psych & Brain Sciences, U of Delaware, USA  
*Schneider Lab, under the supervision of Dr. Keith A. Schneider*

## EDUCATION

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PhD in Psychological and Brain Sciences (2016–present), University of Delaware, Newark, DE, USA  
*Dissertation: Investigating the Roles of M and P Pathways in the Human Brain during Binocular Rivalry*

MA in Psychological Sciences (2013–2016), Bogazici University, Istanbul, TURKEY (TR)  
*Thesis: Outlier and Ensemble Representations of Visual Displays*  
*Education language: English*

BSc in Psychology (2008–2013), Middle East Technical University, Ankara, TURKEY (TR)  
*Education language: English, 1<sup>st</sup> year of education for academic English*

## PROFESSIONAL AFFILIATIONS

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Society for Neuroscience Member (2021–present)  
Vision Sciences Society Member (2018–present)  
Psychonomic Society Member (2014–2018)

## AWARDS & FELLOWSHIPS

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Analytic Methods Fellowship (2018–2019). College of Arts and Sciences, U of Delaware, USA  
*Stipend + tuition coverage for 12 months*

Psychonomic Society Award for the Best Poster Abstracts (2018). The 3rd International Meeting, Amsterdam, the NETHERLANDS (NL)  
*Accommodation for 4 days*

Domestic Graduate Fellowship (2013–2014). Scientific and Technological Research Council (TÜBİTAK) Directorate of Science Fellowships and Grant Programs (BİDEB), TR  
*Stipend for 5 months (no tuition for public education in Turkey)*  
*Initially awarded for 2 years; dropped due to working as a paid RA for the same institution*

Domestic Undergraduate Fellowship (2008–2013). TÜBİTAK-BİDEB, TR  
*Stipend for 5 years (no tuition for public education in Turkey)*

## PUBLICATIONS – Journal Articles

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Yildirim, I. & Schneider, K. A. (2023). Neural dynamics during binocular rivalry: Indications from human lateral geniculate nucleus. *eNeuro*, 10(1), ENEURO.0470-22.2022.  
<http://dx.doi.org/10.1523/eneuro.0470-22.2022>

Yildirim, I. & Introub, H. (2020). Anticipatory memory for regular and random patterns. *Journal of Experimental Psychology: Human Perception and Performance*, 46(9), 965–978.  
<https://doi.org/10.1037/xhp0000768>

Boduroglu, A. & Yildirim, I. (2020). Statistical summary representations of bound features. *Attention, Perception & Psychophysics*, 82(40 Years of Feature Integration: Special Issue in Memory of Anne Treisman), 840–851. <https://doi.org/10.3758/s13414-019-01944-9>

Yildirim, I., Öğreden, O., & Boduroglu, A. (2018). Impact of spatial grouping on mean size estimation. *Attention, Perception & Psychophysics*, 80(7), 1847–1862. <https://doi.org/10.3758/s13414-018-1560-5>

#### **PUBLICATIONS – Manuscripts in Process**

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Yildirim, I., Hekmatyar, K., & Schneider, K. A. (under revision). Evaluating quantitative MRI as a potential technique to identify the layers in the human lateral and medial geniculate nucleus. (parts of it can be found in *bioRxiv*, 2022.11.16.516765. <https://doi.org/10.1101/2022.11.16.516765> )

Yildirim, I., Brockmeier, A. J., & Schneider, K. A. (under revision). Segregating the eye-specific regions of the human lateral geniculate nucleus using generalized linear model and non-negative matrix factorization. (parts of it can be found in *bioRxiv*, 2022.11.16.516765.  
<https://doi.org/10.1101/2022.11.16.516765> )

Yildirim, I., Sossounov, N., Hussain, A., Melo, M., & Almeida, J. (under revision). In search of manipulable object clusters: Content-specific manipulable object processing in the brain.

#### **CONFERENCE PRESENTATIONS (Presenters indicated with \*)**

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Sossounov, N.\*, Melo, M., Hussain, A., Almeida, J., & Yildirim, I. (Sep 2023). *Object-related dimensions as predictors of object representations*. Poster presentation at the Seeing and Acting Workshop, University of Coimbra, Coimbra, Portugal.

Yildirim, I.\*, Sossounov, N., Hussain, A., Melo, M., & Almeida, J. (Sep 2023). *Does the brain distinguish similarity on the function, the motor program, and the look of manipulable objects?* Poster presentation at the Seeing and Acting Workshop, University of Coimbra, Portugal.

Yildirim, I.\*, Hekmatyar, K., & Schneider, K. A. (May 2023). *Segmenting the magnocellular regions in the human lateral and medial geniculate nuclei using quantitative MRI* [abstract]. *Journal of Vision*, 23(9):5639. <https://doi.org/10.1167/jov.23.9.5639>. Poster presentation at the Annual Meeting of Vision Sciences Society, St. Pete Beach, Florida – USA.

Yildirim, I.\*, Melo, M., Hussain, A., Sossounov, N., & Almeida, J. (May 2023). *Object-related dimensions as predictors of object representations*. Poster presentation at the Workshop on Concepts, Actions, and Objects, University of Trento, Rovereto, Italy.

Yildirim, I.\*, Hekmatyar, K., & Schneider, K. A. (May 2022). *Identifying the layers in the human lateral geniculate nucleus using quantitative and functional MRI* [abstract]. *Journal of Vision*, 22(14):3238. <http://dx.doi.org/10.1167/jov.22.14.3238> . Poster presentation at the Annual Meeting of Vision Sciences Society, St. Pete Beach, Florida – USA.

Yildirim, I.\*, Hekmatyar, K., & Schneider, K. A. (November 2021). *Identifying the layers in the human LGN using quantitative and functional MRI*. Poster presentation at the Virtual Meeting of Society for Neuroscience.

Yildirim, I.\* & Schneider, K. A. (2020). *Cortical and subcortical dynamics during binocular rivalry* [abstract]. *Journal of Vision*, 20(11):789. <https://doi.org/10.1167/jov.20.11.789>. Poster presentation at the Virtual Meeting of Vision Sciences Society.

Yildirim, I.\* & Introub, H. (May 2018). *Anticipatory Memory for Regular and Random Patterns*. Poster presentation at the 3rd International Meeting of the Psychonomic Society, Amsterdam, the Netherlands.

Serva, C., Yildirim, I. & Introub, H.\* (November 2017). *Spatial Plasticity in Memory for Scenes: Extending and Reshaping the View of a Scene*. Paper presented at the Annual Meeting of Psychonomic Society, Vancouver, BC – Canada.

Meral, E. O.\*, Yildirim, I.\*, & Boduroglu, A. (November 2016). *Are Individual and Mean Identity Representations Immune to Changes in Emotional Expressions?* Poster presentation at the Annual Workshop on Object Perception, Attention, and Memory, Boston, MA – USA.

Yildirim, I.\* & Boduroglu, A. (November 2015). *Outlier representations in visual short-term memory*. Poster presentation at the Annual Meeting of Psychonomic Society, Chicago, IL – USA.

Yildirim, I.\* & Boduroglu, A. (November 2015). *Binding features in spatial statistical summary representations*. Poster presentation at the Annual Workshop on Object Perception, Attention, and Memory, Chicago, IL – USA.

Aldan, P., Yildirim, I., Ozvarol, M.\*, & Avsar, S. (November 2015). *Effects of inter-group biases on ensemble representations of facial expressions*. Poster presentation at the Annual Meeting of Psychonomic Society, Chicago, IL – USA.

Yildirim, I.\*, Öğreden, O., & Boduroglu, A. (November 2014). *Impact of spatial grouping on mean size estimation*. Poster presentation at the Annual Workshop on Object Perception, Attention, and Memory, Long Beach, CA – USA.

## TEACHING

Co-instructor (Spring 2023), Topics in Cognitive Neuroscience (PSYC 200-level)	U of Coimbra, PT
Teaching Assistant (Fall 2016, Fall 2017, Spring 2018), Cognition (PSYC340)	U of Delaware, USA
Teaching Assistant (Spring 2017), Measurement & Stats (PSYC209)	U of Delaware, USA

## MENTORING

Postdoc Mentor (2022–2024), ProAction Lab	U of Coimbra, PT
Graduate Student Mentor (2018–2022), Schneider Lab	U of Delaware, USA
Graduate Student Mentor (2016–2018), Spatial Cognition Lab	U of Delaware, USA
Graduate Student Mentor (2014–2016), Cognitive Processes Lab	Bogazici U, TR

## TECHNICAL SKILLS

Apparatus:	3T Siemens Magnetom Prisma Magnetic Resonance Imaging (MRI) scanner ( <i>operator</i> ), VPixx Technologies Inc. Propixx projector, macOS, Linux, Microsoft
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Stimulus and Design: Adobe Photoshop, Abrosoft FantaMorph (*face morphing software*), MATLAB (*Psychophysics toolbox, Datapixx Toolbox for advanced 3D script writing*), E-Prime, Open Sesame, SuperLab

Data and Analysis: Bash/Shell, Brain Imaging Data Structure (BIDS), FMRIB Software Library (FSL), fMRIPrep, Freesurfer, MATLAB (*computational analysis and data visualization; SPM12, CosmoMVP, CONN toolbox*), JASP, Statistical Package for the Social Sciences (SPSS)

Miscellaneous: Wordpress (*website development*)

## SERVICE & TRAINING

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Code of Conduct Task Force Member (2023–2024). ProAction Lab, U of Coimbra, PT

Summer University Camp Instructor (Jul 25, 2023). Fac of Psych and Edu Sciences, U of Coimbra, PT  
*Interactive seminar on “Visual Consciousness” for high-achieving high-school students*

Equity and Inclusion (previously named Diversity) Committee Member (2018–2021). Dept of Psych & Brain Sciences, U of Delaware, USA

Women in Neuroscience Conference Participant (July 8–10, 2019), EPSCoR Attention Consortium, Pray, MT-USA – *Training for early-career women scientists on negotiation and sexual misconduct (Title IX)*

Volunteer during the Object Perception, Attention, Memory (OPAM) Workshop (Nov 17, 2016). Boston, MA-USA

Social Benefit Association Board Member (2015–2016), TR

Two Sides of a Mountain: Turkish Armenian Civic Dialogue Camp Participant (October 8–14, 2009), AEGEE, Samandağ, Hatay/TR  
*Training on team building, intercultural communication, conflict management, basics of project management, and development opportunities for youth*

Turkish and Armenian Students Dialogue Camp Communication Manager (February 9–14, 2009), Approaches of Turkish University Students Association, Ürgüp, Nevşehir/TR

Approaches of Turkish University Students Association Secretary-general (2009–2010), TR

Gender and Women Studies Club Initiative (2008–2009), Middle East Tech U, TR