

EZGİ GÜR, Ph.D.

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EDUCATION

- 09/2014 – 04/2020**
 - Ph.D., Psychology, Koç University, Istanbul, Türkiye
Dissertation Title: Interval Timing and Decision Making in Mouse Model of Cognitive Aging
- 09/2011 - 06/2014**
 - M.S., Experimental Psychology, Izmir University of Economics, Izmir, Türkiye
Thesis Title: Long-term Effects of Extinction Training During Reconsolidation Process of Fear Memory
- 09/2006 - 06/2011**
 - B.Sc., Psychology, Middle East Technical University, Ankara, Türkiye
- 02/2010 - 08/2010**
 - Exchange Student, Psychology, University of Groningen, Groningen, Netherlands

TEACHING EXPERIENCE

- SPRING 2024**
 - PSY 432: Independent Studies, Department of Psychology
 - PSY 202: Developmental Psychology II, Department of Psychology, Izmir University of Economics
 - PSY 553: Computer Based Experimentation in Psychology, Graduate School, Izmir University of Economics
- FALL 2023**
 - PSY 205: Research Methods in Psychology I, Department of Psychology, Izmir University of Economics
 - PSY 501: Computer-Aided Quantitative Methods in Psychology I, Graduate School, Izmir University of Economics
- SPRING 2021**
 - PSYC 232: Experimental Psychology, Department of Psychology, Koç University
- SPRING 2020**
 - PSYC 550: Advanced Research Methods, Global-MINDS Master Program, Graduate School of Social Sciences and Humanities, Koç University
- SUMMER 2019**
 - PSYC 210: Issues in Psychology, Department of Psychology, Koç University
- 09/2014 – 03/2020**
 - Full-time PhD student with TAship responsibilities, Koç University
- 02/2013 – 08/2014**
 - Teaching Assistant, Izmir University of Economics

RESEARCH EXPERIENCE

- 9/2021 – 9/2023** • Post-Doctoral Fellow, Department of Biological Sciences, University of Manitoba
- 04/2020 – 09/2021** • Post-Doctoral Researcher, Graduate School of Social Sciences and Humanities, Koç University
- 09/2014 – 03/2020** • Full-time PhD student with RAship responsibilities, Koç University
- 02/2013 – 08/2014** • Research Assistant, Izmir University of Economics

PUBLICATIONS

- Hepdarcan I, Korkut İ, **Gür E.**, Çetinkaya H, Dural S. (under review). Revisiting the SNARC effect: Testing magnitude comparison in a Turkish sample lacking SNARC effect in parity judgment task. *Journal of Cognitive Psychology*
- Minary A., **Gür E.**, Balci F. (under revision). Mice can monitor their "patience". *Psychonomic Bulletin and Review*
- Gür E.**, Duyan Y.A., Toptaş P., Balci F. (submitted). Mice extrapolate temporal information based on previously learned spatiotemporal mappings: An asymmetrical case. *Animal Cognition*.
- Gür E.**, Erdağı A., Balci F. (2023) Mice are Near Optimal Timers. *Timing and Time Perception*. <https://doi.org/10.1163/22134468-bja10053>
- Aydogan T., Karşilar H., Duyan Y.A., Akdogan B., Baccarini A., De Corte B., Crystal J., Çavdaroğlu B., Gallistel C.R., Grondin S., **Gür E.**, Hallez Q., de Young J., Mattel M., Narayanan N., Özoğlu E., van Maanen L., Öztel T., Vatakis A., Freestone D., Balci F. (2023). The Timing Database: An open-access, live repository for interval timing studies. *Behavior Research Methods*. <https://doi.org/10.3758/s13428-022-02050-9>
- Gür E.**, Duyan Y.A., Balci F. (2022). Mice Make Temporal Inferences About Novel Locations Based on Previously Learned Spatiotemporal Contingencies. *Animal Cognition*. <https://doi.org/10.1007/s10071-022-01715-4>
- Toptaş P., **Gür E.**, Balci F. (2022). Count-based Decision-making in Mice: Numerosity vs. Stimulus Control. *Animal Cognition*. <https://doi.org/10.1007/s10071-022-01652-2>
- Dural S., **Gür E.**, Çetinkaya, H. (2022) Testing the memory reconsolidation hypothesis in a fear extinction paradigm: The effects of ecological and arbitrary stimuli. *Learning & Behavior*. <https://doi.org/10.3758/s13420-022-00536-2>
- Gür E.**, Duyan Y.A., & Balci F. (2021) Numerical Averaging in Mice. *Animal Cognition*. <https://doi.org/10.1007/s10071-020-01444-6>

- **Gür E.**, Duyan Y.A., Türkakın E., Arkan S., Karson A., & Balcı F. (2020) Aging Impairs Decision-making in Mice: Integrating Computational and Neurobiological Approaches. *Brain Structure and Function*. <https://doi.org/10.1007/s00429-020-02101-x>
- **Gür E.**, Duyan Y.A., Arkan S., Karson A., & Balcı F. (2020) Interval Timing Deficits and Its Neurobiological Correlates in Mouse Model of Aging. *Neurobiology of Aging*. <https://doi.org/10.1016/j.neurobiolaging.2020.02.021>
- **Gür E.**, Duyan Y.A., & Balcı F. (2019). Probabilistic Information Modulates the Timed Response Inhibition Deficit in Aging Mice. *Frontiers in Behavioral Neuroscience*. <https://doi.org/10.3389/fnbeh.2019.00196>
- **Gür E.**, Fertan E., Alkins K., Wong A.A., Balcı F. & Brown R.E. (2019). Interval Timing is Disrupted in Female 5xFAD Mice: An Indication of Altered Memory Processes. *Journal of Neuroscience Research*. <https://doi.org/10.1002/jnr.24418>
- **Gür E.**, Fertan E., Kosel F., Wong A.A., Balcı F. & Brown R.E. (2019). Sex Differences in the Timing Behavior Performance of 3xTg-AD and Wild-Type Mice in the Peak Interval Procedure. *Behavioural Brain Research*. doi: 10.1016/j.bbr.2018.11.047.
- **Gür E.**, Duyan Y.A., & Balcı F. (2018). Spontaneous integration of temporal information: implications for representational/ computational capacity of animals. *Animal Cognition*. doi: 10.1007/s10071-017-1137-z.
- **Gür E.**, Balcı F. (2017). Mice optimize timed decisions about probabilistic outcomes under deadlines. *Animal Cognition*. <https://doi.org/10.1007/s10071-017-1073-y>
- Tosun T., **Gür E.**, Balcı F. (2016). Mice plan decision strategies based on previously learned time intervals, locations, and probabilities. *Proceedings of the National Academy of Sciences of the United States of America*. doi: 10.1073/pnas.1518316113.
- Dural S., **Gür E.**, & Çetinkaya H. (2015). A new approach to extinction of acquired fear: Intervening to reconsolidation process of fear memory. *Turkish Psychological Articles*, 18(35), 67-82.

CONFERENCE & SEMINAR PRESENTATIONS

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|----------------|--|
| 05/2023 | <ul style="list-style-type: none"> • <i>Psychology Department PSYC Seminar</i>, Bilkent Universtiy, Ankara, Turkey "Exploring the Timing Ability in Mouse Models: Implications for Ageing, Alzheimer's Disease, and Autism Spectrum Disorder" Ezgi Gür |
| 06/2023 | <ul style="list-style-type: none"> • <i>2023 Manitoba Neuroscience Network Scientific Meeting</i>, Winnipeg, Canada "How to Slow Down Time? Neural Basis of Time Perception: Behavioral & Optogenetics Testing" Ezgi Gür, Alihan Erdağı, Fuat Balcı |

- 05/2023**

 - *16th Annual Canadian Neuroscience Meeting 2023*, Montreal, Canada
"Mice can monitor their temporal judgment errors"
Alexa Minary, Ezgi Gür, Fuat Balci
"How to Slow Down Time? Neural Basis of Time Perception: Behavioral & Optogenetics Testing"
Alihan Erdađı, Ezgi Gür, Fuat Balci
- 10/2022**

 - *Biological Sciences Departmental Seminar*, Universtiy of Manitoba, Winnipeg, Canada
"Age-related changes in interval timing behavior in C57BL/6J mice and their neural correlates"
Ezgi Gür
- 11/2020**

 - *18th National Neuroscience Conference*, Ankara, Turkey
"Decision-making in aging in light of comparative, computational and neuroscientific perspectives"
Ezgi Gür, Yalçın Akın Duyan, Esin Türkakin, Sertan Arkan, Ayşe Karson, Fuat Balci
- 10/2019**

 - *2nd Conference of the Timing Research Forum*, Queretaro, Mexico
"Spatio-temporal Transfer of Judgments in Mice"
Ezgi Gür, Yalçın Akın Duyan, Fuat Balci
- 09/2019**

 - *5th Experimental & Cognitive Psychology Symposium*, İstanbul, Turkey
Decision-Making Processes in Aging: Computational and Neurobiological Approaches
Ezgi Gür, Yalçın Akın Duyan, Esin Türkakin, Sertan Arkan, Ayşe Karson, Fuat Balci
- 07/2018**

 - *11th FENS Forum of Neuroscience*, Berlin, Germany
"Interval Timing in Two Transgenic Mouse Models of Alzheimer's Disease"
Ezgi Gür, Emre Fertan, Kindree Alkins, Filip Kosel, Fuat Balci, Richard Brown
- 10/2017**

 - *1st Conference of the Timing Research Forum*, Strasbourg, France
"Interval Timing in Aging Mice"
Ezgi Gür, Yalçın Akın Duyan, Sertan Arkan, Ayşe Karson, Fuat Balci
- 09/2017**

 - *4th Experimental & Cognitive Psychology Symposium*, İzmir, Turkey
"Model-Based" Temporal Decision Outputs in Mice"
Ezgi Gür, Yalçın Akın Duyan, Fuat Balci
- 04/2014**

 - *18th Meeting of the European Society for Cognitive Psychology*, Budapest, Hungary
"The Long-lasting Effects of Extinction during the Reconsolidation Process of Fear Memory"
Ezgi Gür, Seda Dural
- 07/2013**

 - *18th National Psychology Students Congress*, Izmir, Turkey
"Blocking Effect Paradigm in Vicarious Learning of Fear"
Ezgi Gür, Ilgım Hepdarcan, Beste İçağası

AWARDS, CERTIFICATES & ACHIEVEMENTS

- Teaching Workshops, The Center for the Advancement of Teaching and Learning, University of Manitoba
- Certificate in Laboratory Animal Use, University of Manitoba
- Graduate Studies Excellence Award, Koç University Graduate School of Social Sciences and Humanities
- Travel Award for 1st Conference of the Timing Research Forum
- Koç University, Graduate School Grant (2014-2018)
- TUBITAK BİDEB 2211 Graduate Scholarship (2014-2018)
- Computational Psychiatry Course, Zurich
- Introductory Course on Bayesian Analysis, StatsCamp, Utrecht
- Certificate in Laboratory Animal Use, Marmara University
- Turkish Psychological Association Research Awards, 2nd place in Young Psychologists category (2014)
- Izmir University of Economics, Graduate School Grant (2013-2014)
- TUBITAK BİDEB 2210 Graduate Scholarship (2011-2014)
- TUBITAK BİDEB 2205 Undergraduate Scholarship (2006-2011)

KEY SKILLS AND COMPETENCES

- Matlab, Medstate Notation Programming Language, AcqKnowledge Data Acquisition & Analysis Software, Biopac, SuperLab, SPPS
- Stereotaxic Surgery, Optogenetics, Automated systems for Animal Behavior Studies, Perfusion, Genotyping, Immunohistochemistry

ACADEMIC REFERENCES

- Dr. Fuat Balci, University of Manitoba, Department of Biological Sciences, Winnipeg, Canada
fuat.balci@umanitoba.ca
- Dr. Seda Dural, Izmir University of Economics, Department of Psychology, Izmir, Turkiye
seda.dural@izmirekonomi.edu.tr
- Dr. Hakan Çetinkaya, Yaşar Universtiy, Department of Psychology, Izmir, Turkiye
hakan.cetinkaya@yasar.edu.tr