

Gökhan Aydoğan

Contact Information

University of Zurich
Department of Economics
Blümlisalpstrasse 10
8006 Zurich

E-Mail: goekhan.aydogan@econ.uzh.ch
Website: www.goekhan-aydogan.com
OrCID: <https://orcid.org/0000-0003-2187-7912>
Google Scholar: <https://scholar.google.de/citations?user=FbZTYaQAAAAJ&hl=en>

Fields of Interest

Neuroeconomics, Neurogenomics, Experimental Economics, Behavioral Game Theory, Social Neuroscience

Education

10/2011 – 12/2015	Ph.D. in Economics (Supervisor: Prof Dr Martin Kocher) Ludwig-Maximilians-University Munich
06/2014 – 08/2014	Summer School University of California Berkeley, USA
10/2008 – 09/2010	M.Sc., Business Studies (Supervisor: Prof Dr Ralf Elsas) Ludwig-Maximilians-University Munich
10/2005 – 09/2008	B.Sc., Business Studies (Supervisor: Prof Dr Bernd Rudolph) Ludwig-Maximilians-University Munich

Academic Positions

09/2018 – present	Post-Doctoral Scholar Zurich Center for Neuroeconomics (ZNE), University of Zurich, PI Prof Christian C. Ruff
03/2016 – 08/2018	Post-Doctoral Scholar Decision Neuroscience Lab, Arizona State University, PI Prof Samuel M. McClure

Publications

Forbes, P., **Aydoğan, G.**, Braunstein, J., Todorova, B., Wagner, I., Lockwood, P., ... & Lamm, C. (2022). Acute stress reduces effortful prosocial behaviour. Forthcoming in *ELife*.

- Kweon, H., **Aydogan, G.**, Dagher, A., Bzdok, D., Ruff, C. C., Nave, G., ... & Koellinger, P. D. (2022). Human brain anatomy reflects separable genetic and environmental components of socioeconomic status. *Science Advances*, 8(20).
- Daviet, R., **Aydogan, G.**, Jagannathan, K., Spilka, N., Koellinger, P., Kranzler, H. R., ... & Wetherill, R. (2022). Associations between alcohol consumption and gray and white matter volumes in the UK Biobank. *Nature Communications* 13.
- Aydogan, G.**, Daviet, R., Linner, R. K., Hare, T. A., Kable, J. W., Kranzler, H. R., ... & Nave, G. (2021). Genetic Underpinnings of Risky Behavior Relate to Altered Neuroanatomy. *Nature Human Behaviour*, 1-8.
- Aydogan, G.**, Flaig, N., Ravi, S. N., Large, E. W., McClure, S. M., & Margulis, E. H. (2018). Overcoming bias: Cognitive control reduces susceptibility to framing effects in evaluating musical performance. *Scientific Reports*, 8(1), 6229.
- Aydogan, G.**, Jobst, A., Loy, F., Dehning, S., Zill, P., Müller, N., & Kocher, M. (2018). The effect of oxytocin on group formation and strategic thinking in men. *Hormones and Behavior*, 100, 100-106.
- Ballard, I. C., **Aydogan, G.**, Kim, B., & McClure, S. M. (2018). Causal evidence for the dependence of the magnitude effect on dorsolateral prefrontal cortex. *Scientific Reports*, 8.
- Aydogan, G.**, Furtner, N. C., Kern, B., Jobst, A., Müller, N., Kocher, M. G. (2017). Oxytocin Promotes Altruistic Punishment, *Social Cognitive and Affective Neuroscience*.
- Ballard, I. C., Kim, B., Liatsis, A., **Aydogan, G.**, Cohen, J. D., & McClure, S. M. (2017). More Is Meaningful: The Magnitude Effect in Intertemporal Choice Depends on Self-Control. *Psychological Science*.
- Aydogan, G.**, Jobst, A., D'Ardenne, K., Müller, N., & Kocher, M. G. (2017). The detrimental effects of oxytocin-induced conformity on dishonesty in competition. *Psychological Science*, 28(6), 751-759.

Teaching Experience

Spring 2020-2023	Lectures on Research Methods in Cognitive Neuroscience
2015 & 2021	Supervision of Master Theses on Experimental Economics and Neuroeconomics
Fall 2014	Teaching Assistant for Microeconomics I (Prof. Martin Kocher) Evaluation: very good

Grants, Awards and Fellowships

08/2023 – 08/2024	UZH Postdoc Grant (CHF 100,240)
08/2022 – 12/2023	Short Projects Grant from the University Research Priority Program (URPP) Adaptive Brain Circuits in Development and Learning (AdaBD) (CHF 176,369)

04/2012 – 11/2015	Research Fellowship for Ph.D. Students by the Friedrich-Ebert Foundation (€ 65,000)
07/2015	Seed Grant for the Project “Predicting self-control in the fMRI” Funded by the Internal Research Fund at University of Munich (€ 3,000)
07/2015	Full Scholarship for the 2015 Shanghai Neuroeconomics Summer School (\$ 2,000)
04/2013	Research Grant for the Project “Oxytocin and Norm Enforcement in Social Dilemmas” Funded by the Internal Research Fund at University of Munich (€ 1,500)
07/2012	Research Grant for the Project “Development of Institutions and Trust” Funded by the Internal Research Fund at University of Munich (€ 2,500)
04/2007 – 09/2010	Fellowship by the Friedrich-Ebert Foundation (€ 33,000)

Conferences and Talks

07/2023	Talk at the UEA's Behavioral Game Theory Workshop in Norwich
06/2023	Talk at the ESA World Meeting in Lyon
10/2019	Poster Spotlight Talk at the <i>Society for Neuroeconomics</i> in Dublin, Ireland
10/2019	Talk at the 8th <i>Consumer Neuroscience Satellite Symposium</i> in Dublin, Ireland
03/2019	Invited Talk to <i>Current Topics in Social, Economic and Decision Psychology</i> , University of Basel
10/2017	Poster Spotlight Presentation at the <i>Society for Neuroeconomics</i> Annual Meeting in Toronto, Canada
11/2016	Talk at the <i>ESA North America Conference</i> in Tucson, Arizona
04/2015	Talk at the <i>Social and Biological Roots of Cooperation and Risk Taking Workshop</i> in Kiel, Germany
04/2015	Talk at the <i>IMEBESS</i> in Toulouse, France
09/2014	Talk at the <i>ESA European Meeting</i> in Prague, Czech Republic
08/2014	Talk at <i>Neuroeconomics Lab</i> UC Berkeley, USA
07/2014	Talk at the <i>Center for Neuroeconomics Studies</i> in Claremont, USA
05/2014	Talk at the <i>NeuroPsychoEconomics</i> Conference in Munich, Germany

Spring and Summer Schools

2016	Analyzing Neural Time Series Data (taught by Michael X. Cohen)
2015	Shanghai Neuroeconomics Collective Summer School, NYU

Technical Skills

Data Analysis:	functional and structural MRI and DTI Analysis with <i>FSL</i> and <i>SPM</i> , Structural Equation Modeling with <i>STATA</i> , Big Data Analysis in MATLAB (High Performance Computing on Science Cluster), Machine Learning Tools (e.g. Neural Nets, LSTM, LASSO), EEG Data Analysis with <i>ERPLAB</i> and <i>EEGLAB</i> Toolbox for <i>MATLAB</i> .
Coding:	MATLAB, PsychToolBox for MATLAB, z-Tree, Python, PsychoPy, E-Prime.
Data Collection:	functional MRI data at the SNS Lab with PsychToolBox (Zurich), behavioral data (Labs at LMU, ASU, ETH and UZH) with <i>z-Tree</i> , <i>PsychToolBox</i> and <i>PsychoPy</i> , Lab in the Field with <i>z-Tree</i> , <i>Qualified User</i> of Philips Achieva 3T scanner, Transcranial Focused Ultrasound (tFUS) with <i>BrainSight</i> , EEG with <i>Curry</i> .

Ad-Hoc Reviewer

BMC Neuroscience | Frontiers in Behavioral Neuroscience | Genes | Hormones and Behavior | International Journal of Neuropsychopharmacology | Journal of Economic Psychology | Journal of Neuroscience | Journal of Neuroscience, Psychology, and Economics | Journal of Personality and Social Psychology | PLOS ONE | PNAS Nexus | Psychoneuroendocrinology | Sciences Advances

Languages

German (Native), English (Fluent), Turkish (Native), Greek and Latin (Basic).

Community Services

2023	Program Committee for Society for Neuroeconomics Annual Meeting
2021 & 2022	Neuroeconomics Seminar, University of Zurich (organization)
2021 & 2023	Science Exhibition at the Scientifica Zurich and at the BrainFair in Zurich
2019 & 2021	Lecture on Research Methods at the SCNAT Summer School

References

Professor Christian C. Ruff
University of Zurich
Department of Economics
Blümlisalpstrasse 10
8006 Zurich, Switzerland

Professor Martin Kocher
University of Vienna
Department of Economics
Oskar-Morgenstern-Platz 1
1090 Vienna, Austria