

Gökhan Aydoğan

Contact Information

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Fields of Interest

Neuroeconomics, Neurogenetics, 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., **Aydoğan, 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
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Analysis in MATLAB (High Performance Computing on Science Cluster), **Machine Learning Tools** (e.g. Neural Nets, LSTM, LASSO), **EEG Data Analysis** with *ERPLAB* and *EEGLAB* Toolbox for *MATLAB*.

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 *z-Tree*, *PsychToolBox* and *PsychoPy*, **Lab in the Field** with *z-Tree*, *Qualified User* of Philips Achieva 3T scanner, **Transcranial Focused Ultrasound (tFUS)** with *BrainSight*, **EEG** with *Curry*.

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

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Blümlisalpstrasse 10
8006 Zurich, Switzerland

Professor Ernst Fehr

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Professor Philipp Koellinger

Vrije Universiteit Amsterdam
Department of Economics
De Boelelaan 1105
1081 HV Amsterdam, Netherlands

Professor Martin Kocher

University of Vienna
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Oskar-Morgenstern-Platz 1
1090 Vienna, Austria