

Gökhan Aydogan, PhD

Zurich Center for Neuroeconomics (ZNE), University of Zurich

Blümlisalpstrasse 10, 8006 Zürich

Email: goekhan.aydogan@econ.uzh.ch

Website: www.goekhan-aydogan.com OrCID: <https://orcid.org/0000-0003-2187-7912>

Education and Training

Zurich Center for Neuroeconomics (ZNE) , University of Zurich Postdoctoral Fellow Department of Economics Advisor: Prof Christian C. Ruff	2018 — present
Decision Neuroscience Lab , Arizona State University Postdoctoral Fellow Department of Psychology Advisor: Prof Samuel M. McClure	2016 — 2018
University of California, Berkeley Classes in Game Theory Department of Economics	2014
University of Munich PhD, Economics Advisor: Prof Martin G. Kocher	2011 — 2015
MS, Business and Economics Advisor: Prof Ralph Elsas	2008 — 2010
BS, Business and Economics Advisor: Prof Bernd Rudolph	2005 — 2008

Positions

Junior Data Analyst at the CBR Management, Munich	2006 — 2011
--	-------------

Publications

Selected Work

- Buergi, N.*, **Aydogan, G.***, Konovalov, A., & Ruff, C. C. (2024). A neural fingerprint of adaptive mentalization. (R&R at *Nature Neuroscience*).
**equal contribution, order determined randomly*
- 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.
- 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.
- 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.

Additional peer-reviewed publications

Forbes, P., **Aydogan, G.**, Braunstein, J., Todorova, B., Wagner, I., Lockwood, P., ... & Lamm, C. (2024). Acute stress reduces effortful prosocial behaviour. *ELife*.

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*.

Fellowships, Honors and Grants

University of Zurich Postdoctoral Researcher Grant (CHF 100,240)	2023
University Research Priority Program (URPP), Short Project Grant AdaBD (CHF 176,369)	2022
Fellowship for abroad studies (UC Berkeley), Friedrich-Ebert Foundation (€ 10,000)	2014
Friedrich-Ebert Foundation Research Fellowship Grant (€ 65,000)	2012
Project Grant University of Munich (€ 3,000)	2015
NYU Shanghai Neuroeconomics Summer School Fellow (\$ 2,000)	2015
Research Grants, University of Munich (€ 4,000)	2012
Friedrich-Ebert Fellowship (€ 33,000)	2007

Teaching Experience

Lectures on Research Methods in Cognitive Neuroscience	2020 – 2023
Bachelor and Master Theses on Economics and Neuroeconomics	2015 – 2021
Teaching Assistant for Microeconomics I (Prof. Martin Kocher) Evaluation: <i>very good</i>	2014

Conferences and Invited Talks

Invited Talks

<i>Max-Planck Institute Berlin (Adaptive Rationality)</i> , Germany	2024
<i>Psychology Seminar Series, Bilkent University</i> , Turkey	2024
<i>Geneva Finance Research Institute, University of Geneva</i> , Switzerland	2024

Current Topics in Social, Economic and Decision Psychology

University of Basel, Switzerland

2019

Conference Talks

Matterhorn Symposium (<i>Talk</i>)	2023
UEA's Behavioral Game Theory Workshop in Norwich (<i>Talk</i>)	2023
ESA World Meeting in Lyon (<i>Talk</i>)	2023
Society for Neuroeconomics in Dublin, Ireland (<i>Poster Spotlight</i>)	2019
Consumer Neuroscience Satellite Symposium in Dublin, Ireland (<i>Talk</i>)	2019
Society for Neuroeconomics in Toronto, Canada (<i>Poster Spotlight</i>)	2017
ESA North America Conference in Tucson, Arizona (<i>Talk</i>)	2016
Social and Biological Roots of Cooperation in Kiel, Germany (<i>Talk</i>)	2015
IMEBESS in Toulouse, France (<i>Talk</i>)	2015
ESA European Meeting in Prague, Czech Republic (<i>Talk</i>)	2014
NeuroPsychoEconomics Conference in Munich, Germany (<i>Talk</i>)	2014

Spring and Summer Schools

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

Technical Skills

Programming & computational modelling:	MATLAB, Python, PsychToolBox, PsychoPy, z-Tree, E-Prime.
Data analysis, statistics, Machine Learning:	MATLAB, STATA, R, Python
Experimental design, stimuli presentation:	PsychToolBox, PsychoPy, EyeLink eye-tracking, BrainSight for rTMS and tFUS
Neural data analysis (fMRI/DTI/EEG):	SPM, FSL, ANTs, fmriprep, <i>ERPLAB</i> and <i>EEGLAB</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 | Nature Mental Health | PLOS ONE | PNAS Nexus | Psychoneuroendocrinology | Sciences Advances

Community Services

Program Committee for Society for Neuroeconomics Conference	2023 – 2024
Neuroeconomics Seminar, University of Zurich (organization)	2021 – 2022
Science Exhibition at the <i>Scientifica</i> and <i>BrainFair</i> in Zurich	2021 – 2023

Guest Lecture (Research Methods) at the SCNAT Summer School

2019 & 2021

Fields of Interest

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

References

Professor Christian C. Ruff

University of Zurich
Department of Economics
Blümlisalpstrasse 10
8006 Zurich, Switzerland

Professor Ernst Fehr

University of Zurich
Department of Economics
Blümlisalpstrasse 10
8006 Zurich, Switzerland

Professor Philipp Koellinger

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

Professor Martin Kocher

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