CURRICULUM VITAE

REGINA AGNES **WEILBÄCHER**

📍 Rudolfstrasse 39, 4054 Basel, Switzerland

✉ regina.weilbaecher@gmail.com

📱 +41 79 785 07 39

in www.linkedin.com/in/regina-weilbächer/

EDUCATION

07/2016 – 11/2020	**Ph.D. in Decision Neuroscience in the Social, Economic and Decision Psychology Doctoral Program,** University of Basel (Advisors: Prof. Sebastian Gluth and Prof. Jörg Rieskamp) Ph.D. thesis title: *The role of episodic memory on value-based choice* Due for submission September 2020
07/2014 – 06/2016	**MSc in Psychology, Major Neuroscience and Clinical Psychology,** University of Basel (Advisors: Dr. Leo Gschwind and Dr. Christian Vogler) Master thesis title: *Hierarchical clustering of IAPS pictures based on fMRI activation patterns and the relation to semantic categories and heritability*
09/2011 – 06/2014	**BSc in Cognitive Psychology,** University of Basel (Advisor: Dr. Gilles Dutilh) Bachelor thesis title: *Website appraisal and first impression*

ACADEMIC EXPERIENCE

07/2016 – 12/2020	**Ph.D. student**, University of Basel, Faculty of Psychology, Center for Decision Neuroscience 100% (Advisors: Prof. Sebastian Gluth and Prof. Jörg Rieskamp) *Duties: Data Science: Performing behavioral and neuroscientific (eye-tracking, fMRI, EEG) data analysis of complex data (Python, R, MATLAB), programming experiments, using mathematical and computational modeling (Bayesian/frequentist). Other: Presenting at international conferences, writing research articles, teaching, supervising research assistants, preparing, conducting, and managing research projects*
02/2013 – 06/2016	**Student Research Assistant**, University of Basel, Faculty of Psychology, Center for Economic Psychology 15-25% (Advisor: Dr. Janina Hoffmann) *Duties: Coordinating studies, programming experiments (Python and MATLAB), writing literature reviews, performing data analysis (SPSS, MATLAB, R, PLINK)*
01/2015 – 03/2015	**Clinical Internship**, UPK University Psychiatric Clinic, Ambulant Service for Addiction 80% (Advisor: Dr. Kenneth Dürsteler) *Duties: Administering psychological diagnostic tests and questionnaires, clinical data (including genetic data) management and data analysis (SPSS, R)*
06/2013 – 10/2013	**Research Internship**, University of Zurich, Faculty of Psychology Division of Neuropsychology 50% (Advisor: Dr. Jürg Kühnis) *Duties: Performing data collection and analysis for an EEG experiment*

AWARDS

2017	**Travel Award** Swiss Academy of Humanities and Social Sciences, 1000 CHF

| 2018 | **Travel Award** Society of Neuroeconomics, 500 USD |
| 2019 | **Antelope Career Program** for female researchers including coaching sessions (financial, personal, career), and a travel award for an expert exchange (Prof. Daphna Shohamy, Columbia University, New York, USA) |

PUBLICATIONS

Weilbächer, R. A., & Gluth, S. (2017). The interplay of hippocampus and ventromedial prefrontal cortex in memory-based decision making. *Brain sciences*, *7*(1), 4.

Hoffmann, J. A., von Helversen, B., **Weilbächer, R. A**., & Rieskamp, J. (2018). Tracing the path of forgetting in rule abstraction and exemplar retrieval. *Quarterly Journal of Experimental Psychology*, *71*(11), 2261-2281.

Kraemer, P. M., **Weilbächer, R. A.**, Fontanesi, L., & Gluth, S. (2020). Neural Bases of Financial Decision Making: From Spikes to Large-Scale Brain Connectivity. In Psychological Perspectives on Financial Decision Making (pp. 3-19). Springer, Cham.

Weilbächer, R. A., Kraemer, P. M., & Gluth, S. (2020). The reflection effect in memory-based decisions. *Psychological Science*, 31(11), 1439-1451.

Weilbächer, R. A., Krajbich, I., Rieskamp J., & Gluth, S. (2021). The role of visual attention on memory-based preferential choice. *Cognition*, 215, 104804.

CONFERENCES

2017	**Weilbächer, R.A.,** Krajbich, I., Rieskamp J., & Gluth, S., The influence of visual attention on memory-based decisions, 10th JDMx meeting for Early Career Researchers, Bonn, May 31 – June 6, *talk*
2017	**Weilbächer, R.A.,** Krajbich, I., Rieskamp J., & Gluth, S., The influence of visual attention on memory-based decisions, SPUDM26, August 20 – 24, Haifa*, talk*
2017	**Weilbächer, R.A.,** Krajbich, I., Rieskamp J., & Gluth, S., The influence of visual attention on memory-based decisions, Neuroeconomics 2017, October 6 – 8, Toronto, *poster*
2018	**Weilbächer, R.A.,** Krajbich, I., Rieskamp J., & Gluth, S., Is visual attention mediating the memory bias in preferential choice? 11th JDMx meeting for Early Career Researchers, Konstanz, June 6 – 8, *talk*
2018	**Weilbächer, R.A.,** Krajbich, I., Rieskamp J., & Gluth, S., Do we choose what we remember because we pay more attention to it? 60th TeaP, Marburg, March 11 – 14*, talk*
2018	**Weilbächer, R.A.,** Krajbich, I., Rieskamp J., & Gluth, S., Is attention mediating the memory bias in preferential choice? Neuroeconomics 2018, Philadelphia, October 5 – 7, poster & poster spotlight
2019	**Weilbächer, R.A.,** Kraemer, P. M., & Gluth, S., Memory as uncertainty: a reflection effect in memory-based decisions? 12th JDMx meeting for Early Career Researchers, Trento, June 27 – 29, *talk*
2019	**Weilbächer, R.A.,** Kraemer, P. M., & Gluth, S., Memory as uncertainty: the reflection effect in memory-based decisions SPUDM27, August 18 – 22, Amsterdam, *talk*
2019	**Weilbächer, R.A.,** Kraemer, P. M., & Gluth, S., A reversed memory bias on value-based decisions in the loss domain, Neuroeconomics 2019, Dublin, *poster*

2020	**Weilbächer, R.A.,** Gluth, S., Comparing choices across and within domains, NeuroPsychoEconomics 2020, Online conference, June 11 – 12, *talk*

WORKSHOPS AND SUMMER SCHOOLS

2017	Summer School on Decisions, Law, and the Big Data Revolution, August 20 – 28, Haifa, *summer school*
2018	Models in Judgment and Decision Making, June 21 – 23, Hamburg, *workshop*
2018	5th Summer School on Computational Modeling, July 7 – 21, Couches, France, *summer school*

TEACHING EXPERIENCE

BSc. course, "Introduction to neuroscientific methods in the psychology of learning and decision-making" held three times (2017, 2018 and 2019)

SERVICE TO PROFESSION

Reviewing

for Brain Sciences, Psychological Bulletin, eLife

ACADEMIC SKILLSET

Programming/Software

R / Python / Jupyter Notebook	●●●●●
MATLAB / MS Office / Github Stan /	●●●●○
JAGS / Pymc3 / Bash / Shell Google Suite / Slack / Confluence / Jira	●●●○○
Latex	●●○○○

OTHER SKILLS

Languages

(Swiss) German / Italian	●●●●●
English / French	●●●●○
Modern Hebrew	●●○○○