

## Sophie Breunig

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### Education:

**University of Colorado Boulder, Boulder, CO** Aug 2022 – present

Predoctoral Trainee in Psychology and Neuroscience at the Institute for Behavioral Genetics

**Supervisor:** Dr. Andrew Grotzinger

**Vrije Universiteit Amsterdam, Amsterdam, Netherlands** Sep 2020 – Jul 2022

**Degree:** Master of Science in Genes in Behavior and Health, graduated cum laude

**University of Konstanz, Konstanz, Germany** Oct 2015 – Sep 2019

**Degree:** Bachelor of Science in Psychology

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### Awards and Honors:

**Curci Scholarship** – Shurl and Kay Curci Foundation Aug 2022 – Aug 2024

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### Research Experience:

**Biological Psychology, Vrije Universiteit Amsterdam, Amsterdam, Netherlands** Feb 2022 – Jul 2022

**Principal Investigator:** Prof. Sara Hart & Dr. Elsje van Bergen

Master Thesis: Parental reports of reading ability: A suitable alternative to established measures and a step towards understanding genetic influences?

- Investigated the degree to which short parental reports of reading ability are phenotypically and genetically correlated with in-person assessments of reading ability

**Biological Psychology, Vrije Universiteit Amsterdam, Amsterdam, Netherlands** Feb 2021 – Aug 2021

**Principal Investigator:** Prof. Dr. AHM Willemsen

Internship Report: Understanding the Relationship of Adolescent and Adulthood Personality with Occupational Choice in a Dutch Twin Family Population

- Investigated the relationship between personality and occupational choice by looking at cross-sectional and longitudinal associations as well as twin pairs discordant for occupational choice
- Analyzed data from the Netherlands Twin Register in R to look at the degree to which the associations are based on genetic and environmental factors

**Clinical Neuropsychology, University of Konstanz, Konstanz, Germany** May 2019 – Sep 2019

**Principal Investigator:** Prof. Jens Pruessner

Senior Thesis: The Sonification of Heart Rate Variability

- Designed and conducted experiment on the synchronization of heart rate variability in synchronous and asynchronous tasks in same-gender dyads
- Collaborated with Neuropsychologists and Musicians to analyze and sonify the level of synchrony in heart rate variability using R and SuperCollider

**Center for Anxiety and Related Disorders, Boston University, Boston, MA** Nov 2018 – Apr 2019

**Principal Investigator:** Prof. Stefan G. Hofmann

Research Intern

- Performed heart rate variability analysis on subjects undergoing exposure treatment for claustrophobia to explore the relationship between heart rate and treatment outcome
- Assessed participants with anxiety disorder for changes in symptoms, medication or treatment and performed ECG and respiratory measurements

**iScience Team, University of Konstanz, Konstanz, Germany** Jul 2017 – Sep 2019

**Principal Investigator:** Prof. Ulf-Dietrich Reips

Research Assistant

- Assisted in the development of a website to create online experiments; tested new versions and presented changes and functionality to other research teams

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### Teaching Experience:

**iScience Team, University of Konstanz, Konstanz, Germany** Jul 2017 – Jul 2020

Teaching Assistant and Teaching Fellow

- Taught several groups of undergraduate students to create and evaluate web experiments with HTML, JavaScript and R
- Provided tutoring for an advanced methodological lecture
- Developed material and presentations for weekly study sessions