

LEONIE ALEXIS DUEHLMAYER

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EDUCATION

PhD Psychology, University of Melbourne (ongoing)

2015

Research Project: Neural Mechanisms Underlying Impaired Learning from Errors in Dependent Smokers: An fMRI Study Investigating BOLD Signal Changes and Task-based Functional Connectivity

Research M.Sc. Cognitive Neuroscience, University of Amsterdam

2012-2014

Research Project 1: Neural mechanisms underlying pupillary contagion and subsequent development of trust

The main project included fMRI, eye-tracking, skin-conductance and heartbeat measurement. Here, I performed all relevant steps of the research project including analysis of the fMRI data. In a substudy, I acquired the data. Oxytocin and placebo were administered to participants while their pupils were measured during a trust-game.

Research Project 2: Chasing Memo: Investigating effects of alcohol on intentional inhibition during a continuous performance task

This project involved measuring electro-encephalography during a continuous performance task. Participants were once measured under the influence of alcohol and once under placebo. I performed time-frequency and event-related potential analysis on the data.

Literature Thesis:

Review on experimental studies in autism: Does separating sensory symptoms into age-groups and respective senses reveal a sensory pattern?

Seventy-two experimental studies were included in this categorical review.

B.Sc. Biology, University of Hamburg

2008-2011

Bachelor Thesis: Semantic versus lexical word generation in language dominance assessment: using functional transcranial Doppler sonography
I implemented transcranial Doppler-sonography in order to localize speech dominance using categorical stimuli for later use in illiterate epilepsy patients.

Law Studies, University of Hamburg

2008-2008

WORK EXPERIENCE

**Research Assistant and Internship, Department of Biopsychology,
University of Hamburg**

2012-2012

I coordinated research projects, collected behavioral data (through computer based-tests and questionnaires) and contributed in analysis of behavioral, fMRI and hormone data.

Internship Hamburg Epilepsy Center, Protestant Hospital Alsterdorf

2010-2011

I implemented neuropsychological test-batteries on epileptic patients, evaluated the results and lead patient groups for Progressive Muscle Relaxation and Cognitive Training. Moreover, I applied functional transcranial Doppler-sonography (fTCD) for speech lateralization in candidates for epilepsy surgery.

Research Assistant, Department of Botany, University of Hamburg

2009-2010

I assisted in teaching students microscopy and fundamentals of plant cell biology.

POSTER PRESENTATIONS

Duehlmeyer, L., Levis, B., Hester, R., (2016). Impaired Learning from Errors in Dependent Smokers, Students of Brain Research Symposium, Melbourne/Australia.

Dühlmeyer, L.A., Diatchkova, C., DeDreu, C.K.W., Fischer, A.H. & Kret, M.E. (2014). Changes in pupil-size recruit brain areas involved in social cognition – an fMRI study, Hot cognition: how emotions shape information processing, Amsterdam/Netherlands.

Ratnayake, M., Dühlmeyer, L., Lammel, V., Tschacksch, E., & Diekhof, E. K. (2012). Testosterone as a moderator of facial masculinity and symmetry? (SFA). XXI biennial international Conference on human Ethology, Vienna/Austria.

Brückner, K., Dühlmeyer, L., Gärtner, W., Stodieck, S. (2011). Semantische versus lexikalische Wortgenerierung bei fTCD-Untersuchungen zur Sprachdominanzbestimmung – gibt es eine

Alternative für das Alphabet? Posterbeitrag, Gemeinsame Jahrestagung der Deutschen, Österreichischen und Schweizerischen Gesellschaft für Epileptologie (DGfE), Graz/Austria.

AWARDS AND SCHOLARSHIPS

Velma Stanley Award	2016
Awarded for essay of sufficient merit on a subject relating to addiction.	
Melbourne International Fee Remission Scholarship	2015-2018
Melbourne International Research Scholarship	2015-2018

LANGUAGES

German – native speaker
English – fluent
French – basic
Dutch - basic