

# RESEARCH PROJECTS

## Max Planck Institute for Psycholinguistics

Nijmegen, The Netherlands, February 2014 – February 2017

---

- Genetic linkage analysis for handedness in a consanguineous family by using whole exome sequencing  
[doi.org/10.1016/j.neuropsychologia.2015.11.010](https://doi.org/10.1016/j.neuropsychologia.2015.11.010)
- Cerebellar and cerebral structural asymmetries in a large dataset in association to handedness  
[doi.org/10.1007/s00429-016-1295-9](https://doi.org/10.1007/s00429-016-1295-9)
- Genetics of "atypical" language lateralization, using whole genome sequencing  
[doi.org/10.1111/gbb.12572](https://doi.org/10.1111/gbb.12572)
- Association analysis on midline crossing genes and cerebral structural asymmetries

## University of Regensburg

Regensburg, Germany, February 2012 – August 2013

---

### **Neurology, Department of Molecular Cell Biology**

Professor Dr. Eugen Kerkhoff Lab

- Master's thesis: Transcriptional regulation analysis of mouse spir-2 actin nucleator

### **Institute for Experimental Psychology**

Professor Dr. Marc Greenlee Lab

- White matter fiber tracking by Diffusion Tensor Imaging analysis in macular degeneration patients and in healthy controls

### **Neurology, Department of Molecular Cell Biology**

Professor Dr. Eugen Kerkhoff Lab

- Identification of functional domains of actin nucleator Formin2 and its intracellular interaction with another actin nucleator Spir-1 by live cell imaging

### **Department of Neurobiology and Animal Physiology**

Professor Inga Neumann Lab

- Regulatory effect of oxytocin on TORC protein translocation in stress induced CRH transcription in rat PVN

## UNAM Institute of Materials Science and Nanotechnology

Ankara, Turkey, October 2009 – March 2011

---

- Zebra mussel adhesion to surfaces
- Analysis of TNT degradation by bacterial species and using it as a system of composting

## Dalhousie University

Halifax, Canada, July 2010 - August 2010

---

- Molecular engineering of a magnetic marker gene *magA* for detection of the activity of Egr-1, a gene related to long term potentiation

## Refik Saydam Hifzi Sıhha Molecular Microbiology Research Laboratory

Ankara, Turkey, July 2009 - August 2009

---

- Footprinting of *Bacillus anthracis* repeat sequences by variable number tandem repeat (VNTR) analysis
- H1N1 virus genome sanger sequencing, identification of single nucleotide polymorphisms
- Pneumonia diagnosis from samples