



HIGHER EDUCATION

Since 06/2015

Doctoral Program (PhD)

Program: Health Sciences

Institute: Albertus Magnus University, Cologne, Germany

Project: Early cognitive impairment in Parkinson's Disease: A neuroimaging approach towards the understanding of the underlying neural mechanism

09/2012 – 08/2014

Master of Science (M.Sc.) – with distinction

Program: Cognitive Neuropsychology

Institute: Free University Amsterdam, Amsterdam, The Netherlands

Thesis: Individuals differ in cognitive and physical effort discounting; achieved grade: 9/10

10/2010 - 08/2013

Bachelor of Science (B.Sc.)

Program: Biological Sciences

Institute: Johann Wolfgang Goethe University, Frankfurt am Main, Germany

Thesis: Ontogeny of blood and serum parameters in the domestic fowl *Gallus gallus domesticus*, achieved grade: 1.0

08/1999 - 03/2008

Secondary School

Private Gymnasium Marienstatt, Germany

Graduation: Abitur (A-levels)

PROFESSIONAL EXPERIENCE

Since 06/2015

Member of scientific staff

Institute: Multimodal Neuroimaging Group, Department of Nuclear Medicine, University Hospital Cologne, Cologne, Germany

Tasks: Conceptual design and management of research projects, participant recruitment and project administration, data collection, analysis of behavioral and imaging data, manuscript preparation and data presentation

10/2014 – 05/2015

Research assistant

Institute: Cognitive Neurology Lab, Department of Experimental Psychology, University of Oxford, Oxford, United Kingdom

Tasks: Management of research projects, participant recruitment, data collection, data analysis

02/2014- 09/2014

Research internship

Institute: Cognitive Neurology Lab, Department of Experimental Psychology, University of Oxford, Oxford, United Kingdom

Tasks: Execution and analysis of master thesis project, manuscript preparation and data presentation

02/2014- 09/2014

Digital marketing operator, part time

Pepe Trading B.V., Prof. J.H. Bavincklaan 5, 1183 AT Amstelveen, The Netherlands

Tasks: Online research and preparation of homepage content

03/2013- 02/2014

Customer service representative, part time

Pepe Trading B.V., Prof. J.H. Bavincklaan 5, 1183 AT Amstelveen, The Netherlands

Tasks: Dealing with customer inquiries via phone and e-mail

11/2011- 08/2012

Nurse assistant

Agaplesion Schwanthaler Carrée, Frankfurt am Main, Germany

Tasks: Taking care of elderly and helping with their daily routine

TEACHING EXPERIENCE

Spring 2015

Academic Tutor at the University of Oxford, Oxford, United Kingdom

Tasks: Supervision of Experimental Psychology B.Sc. students

Autumn 2010

Academic Tutor at the Johann Wolfgang Goethe University, Frankfurt am Main, Germany

Tasks: Supervision of student group during practical B.Sc. course

HONORS & STIPENDS

04/2018	IPaK Travel grant awarded by the Medical Faculty of the University of Cologne to attend the International Congress of Parkinson's Disease and Movement Disorders, Hong Kong
05/2016	IPaK Travel grant awarded by the Medical Faculty of the University of Cologne to attend the 22 nd annual meeting of the Organization of Human Brain Mapping in Geneva, Switzerland
09/2015	Travel grant awarded by the University of Oxford to attend the Autumn School of Cognitive Neuroscience 2015 in Oxford, United Kingdom
08/2014	Nomination for the Best Thesis Price 2014 awarded by the Free University of Amsterdam, Amsterdam, The Netherlands
02/2014	6-month stipend from the Free University of Amsterdam sponsored by ERASMUS for a research stay abroad at the University of Oxford, Oxford, United Kingdom
03/2008	Certificate of the federal state Rhineland-Palatine for extraordinary social commitment

PROFESSIONAL SOCIETIES & MEMBERSHIPS

Since 2017	Member of German Parkinson Society (DPG)
Since 2015	Associate member of St. John's College, Oxford

PUBLICATIONS

- Tahmasian M, Eickhoff SB, **Giehl K**, Schwartz F, Herz DM, Drzezga A, et al. Resting-state functional reorganization in Parkinson's disease: An activation likelihood estimation meta-analysis. *Cortex*. 2017 Jul; 92:119–38
- Zokaei N, **Giehl K**, Sillence A, Neville MJ, Karpe F, Nobre AC, Husain M. Sex and APOE: A memory advantage in male APOE ϵ 4 carriers in midlife. *Cortex*. 2017 Mar 31; 88:98-105.
- Chong TT, Apps M, **Giehl K**, Sillence A, Grima LL, Husain M. Neurocomputational mechanisms underlying subjective valuation of effort costs. *PLoS biology*. 2017 Feb 24;15(2): e1002598

Hammes J, Bischof GN, **Giehl K**, Faber J, Drzezga A, Klockgether T, et al. Elevated in vivo [18F]-AV-1451 uptake in a patient with progressive supranuclear palsy. *Mov. Disord.* 2017 Jan;32(1):170–1

Rolinski M, Zokaei N, Baig F, **Giehl K**, Quinnell T, Zaiwalla Z, Mackay CE, Husain M, Hu MTM. Visual short-term memory deficits in REM sleep behaviour disorder mirror those in Parkinson's disease. *Brain.* 2015 Nov 18; 139(1): 47-53.

CONFERENCE ABSTRACTS FOR ORAL COMMUNICATION (2018)

Giehl K. & Ophay A. (April 2018). Digital working memory training: cognitive and neural effects. 23rd Conference on Psychology and Parkinson's Disease, Cologne, Germany.

Giehl K, Reetz K, Dogan I, Werner C, Schulz JB, Hammes J, Drzezga A, van Eimeren T (March 2018). Increased age-associated striatal uptake of tau-binding PET tracer [18F]-AV-1451 in Huntington's disease 7th European Conference on Clinical Neuroimaging, Brussels, Belgium.

CONFERENCE ABSTRACTS FOR POSTERS (2018-2016)

Giehl K, Reetz K, Dogan I, Werner C, Schulz JB, Hammes J, Drzezga A, van Eimeren T (May 2017). Tau pathology in Huntington's disease: A brief in vivo PET-imaging report. 10th German Congress for Parkinson and Movement Disorders, Baden-Baden, Germany [Abstract published in *Basal Ganglia*. 2017 May 31; 8:13].

Giehl K, Reetz K, Dogan I, Werner C, Schulz JB, Drzezga A, van Eimeren T (June, 2016). Tau pathology in Huntington's disease: a brief in vivo PET-imaging report. 20th International Congress of Parkinson's Disease and Movement Disorders, Berlin, Germany [Abstract published in *Movement Disorders*. 2016 Jun 1;31: S359-60].

Giehl K, Hammes J, Bischof G, Drzezga A, van Eimeren, T (2016, June). Subcortical Tau Imaging in Neurodegeneration – Advantages of Multimodal Spatial Normalization. 22nd Annual Meeting of the Organization for Human Brain Mapping, Geneva, Switzerland.