

RESEARCH PROFILE

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Date of Birth: 24.09.1989, female
Molecular Organization of the Brain
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Position: Postdoctoral fellow (Research Center Jülich & University Hospital Cologne)

EDUCATION

- 10/2015 – 12/2019 PhD position at the Department of Nuclear Medicine, Multimodal Neuroimaging, University Hospital Cologne, Germany
Thesis: The spatial evolution of tau pathology in Alzheimer's disease. The role of functional connectivity and education (supervisor: Prof. Alexander Drzezga)
- 09/2013 – 08/2015 Master Program – Neuropsychology – Cognitive and Clinical Neuroscience, Maastricht University, Maastricht, Netherlands
Thesis: The effects of aging on cognitive performance and the gyrification index of the human parietal lobe (supervisor: Prof. Svenja Caspers)
- 10/2010 – 08/2013 Bachelor Program - Cognitive Science, University of Osnabrück, Germany
Thesis: The effects of a single bout of exercise on cognition, motor function and mood in Parkinson's disease (supervisor: Prof. Martin J. McKeown)

ACADEMIC DEGREES

- 12/2019 Dr.nat.med. equil. to PhD (summa cum laude), University of Cologne, Germany
- 08/2015 Master of Science, Maastricht University, Maastricht, Netherlands
- 08/2013 Bachelor of Science, University of Osnabrück, Germany

PROFESSIONAL CAREER AND ACADEMIC ACHIEVEMENTS

- Since 12/2019 Postdoctoral fellow at INM-2, Molecular Organization of the Brain, Research Center Jülich, Germany
- 08/2016-09/2018 Student representative in the DFG-funded RTG-1960
- 03/2015 – 08/2015 Research internship at INM-1, Structural and Functional Organization of the Brain, Research Center Jülich, Germany
- 04/2014 – 10/2014 Research assistant at Medtronic, Maastricht, Netherlands
- 09/2012 – 07/2013 Research assistant at the Pacific Parkinson's Research Centre, University of British Columbia, Vancouver, BC, Canada

OTHERS (EDITORSHIPS, ADVISORY BOARDS, AWARDS)

- 03/2020 1st Prize of the ECCN awards, ECCN, Paris, France
- 03/2019 Junior faculty award, ADPD, Lisbon, Portugal
- 07/2018 Travel grant by Alzheimer Forschungs Initiative e.V. for AAIC, Chicago, USA
- 11/2017 Best poster award at the 1st ResDem conference, Munich, Germany
- 07/2017 Best poster award "Clinical Diagnosis and Prognosis", AAIC, London, UK
- 10/2015 3-year PhD-fellowship by the DFG-funded RTG-1960, University Cologne, Germany
- 09/2012 6-months DAAD-funded travel grant by the University Osnabrück for stay in Vancouver, BC, Canada

PUBLICATIONS

Bischof GN, Ewers M, Franzmeier N, Grothe M, Hoening MC, Kocagoncu E, Neitzel J, Rowe JB, Strafella A, Drzezga A, van Eimeren T on behalf of the MINC faculty: Connectomics and molecular imaging in neurodegeneration. **Eur J Nucl Med Mol Imaging**. 2019 Dec;46(13):2819-2830.

Hoening MC, Bischof GN, Özgür OA, Kukulja J, Jessen F, Fliessbach K, Neumaier B, Fink GR, Kalbe E, Drzezga A, van Eimeren T: Level of education mitigates the impact of tau pathology on neuronal function. **Eur J Nucl Med Mol Imaging**. 2019 Aug;46(9):1787-1795.

Hammes J, Theis H, Giehl K, Hoening MC, Greuel A, Tittgemeyer M, Timmermann L, Fink GR, Drzezga A, Eggers C, van Eimeren T: Dopamine metabolism of the nucleus accumbens and fronto-striatal connectivity modulate impulse control. **Brain**. 2019 Mar 1;142(3):733-743.

Hoening MC, Bischof GN, Seemiller J, Hammes J, Kukulja J, Onur ÖA, Jessen F, Fliessbach K, Neumaier B, Fink GR, van Eimeren T, Drzezga A: Networks of tau distribution in Alzheimer's disease. **Brain**. 2018 Feb 1;141(2):568-581.

Hoening MC, Bischof GN, Hammes J, Faber J, Fliessbach K, van Eimeren T, Drzezga A: Tau pathology and cognitive reserve in Alzheimer's disease. **Neurobiol Aging**. 2017. 57:1-7.