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PD DR. HENRIKE J. FISCHER

📍 Uniklinik RWTH Aachen

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KEY FACTS

Born: 15th December 1984 in Goslar, Germany
Nationality: German
Unwed

Total funding/grants: 106.754,24 €
Cumulative impact factor (2021/22): 194,61
h-Index: 14
17 original articles, mean impact factor 10,14
4 reviews

EXPERIENCE

INSTITUTE OF IMMUNOLOGY, RWTH Aachen University Hospital,
Director: Prof. Dr. Lothar Rink
January 2019 – today (contract running until October 2026)

Current Position: Group leader

Topic: Zinc-mediated immune regulation in pre-clinical disease models.

- Zinc-mediated modulation of T cell metabolism (i.e. glycolysis and glutaminolysis)
- Impact of zinc on cytoskeletal rearrangements during T cell activation
- Cooperation with the clinic of Oral, Maxillofacial and Facial Plastic Surgery, UK Aachen): Analysis of the tumor microenvironment in primary Head- and Neck Squamous Cell Carcinoma
- Cooperation with the University Medical Center Mainz, Institute for Immunology: Zinc in Resilience
- Project leader for genetic engineering (*Bezirksregierung Düsseldorf*)

INSTITUTE FOR NEUROIMMUNOLOGY AND MULTIPLE SCLEROSIS RESEARCH,
Göttingen

Director: Prof. Dr. Alexander Flügel
January 2016 – December 2018

Postdoc Position, head of the rat transgenesis facility (June 2016 - December 2018)
Establishment and adaptations of new transgenesis techniques for the development of new and innovative animal models.

- Generation of T-cell receptor transgenic rats (transgenic expression of T-cell receptor with defined specificities)
- Business cooperation with Evotec SE, Göttingen

INSTITUTE FOR CELLULAR AND MOLECULAR IMMUNOLOGY, Georg-August
University Göttingen

Director: Prof. Dr. Jürgen Wienands
July 2013 – December 2015

Postdoc position

This project was funded by the DFG (SFB-TRR43, B13, grant to Prof. Dr. Holger Reichardt)

- Analysis of the metabolic regulation of T cell activation *in vivo* and *in vitro*
- Management of the rat breeding of the institute

EDUCATION UNIVERSITY OF GÖTTINGEN MEDICAL SCHOOL, Göttingen
15.10.2018
Habilitation
Thesis: „Shaping T cell pathogenicity: Studies in rat models“
Teaching examination: excellent (1,2)

GÖTTINGEN GRADUATE SCHOOL FOR NEUROSCIENCES, BIOPHYSICS, AND
MOLECULAR BIOSCIENCES
December 2009 – June 2013
Institute for Cellular and Molecular Biology (Supervisor: Prof. Holger Reichardt)
PhD Thesis: „Endocrine control of T cell functions and its implications for the
pathogenesis of neuroinflammatory diseases“
final grade: Magna cum laude (thesis), summa cum laude (defense)

GEORG-AUGUST UNIVERSITY GÖTTINGEN 2004 - 2009
Biology (majors: Genetics, Immunology, Zoology)
Diploma thesis: „Role of IAN5 during T cell development“
Institute for Cellular and Molecular Biology (Supervisor: Prof. Jürgen Wienands)
final grade: excellent (1,2)

**A W A R D S
& G R A N T S** European Network of Immunology Institutes (ENII): waver fellowship 2011
GlaxoSmithKline Stiftung travel award 2011 and 2013
Luminex award (Best Poster Third Prize) 2012
Universitätsbund Göttingen travel stipend 2012
European Society of Neuroimmunology: Young investigator stipend 2013
Felgenhauer Stiftung zur Förderung junger Neurowissenschaftler: travel stipend 2013
GÖ-VIP (Very important publication, Award of the University of Göttingen Medical
Center) 2014

F U N D I N G Heidenreich-von-Siebold grant (99.900 €) May 2017- October 2018

**F U R T H E R
R E F E R E N C E** Univ.-Prof. Dr. rer. nat. Tobias Bopp
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University Medical Center Mainz
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