

Angelika Griep, BSc



German Center for Neurodegenerative Diseases (DZNE)

Scientific laboratory technician

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Research Expertise

Angelika Griep completed her apprenticeship as a biological assistant technician at the Institute of Animal Sciences at the University of Bonn in 2004. After working at the Institute of Crop Science and Resource Conservation for two years, she studied Neuroscience at the University of Cologne and completed her Bachelor of Science in 2009. She joined the Heneka's group in 2009, where she has been working as a scientific laboratory technician. She can draw on a wealth of technical methods e.g. Animal experiments, biochemical, histological and molecular methods, cell culture and transfection experiments.

Education / Training

University of Cologne, Germany, BSc, 2009
Institute of Animal Sciences - Section of Animal Breeding and Animal Husbandry, University of Bonn, Germany, TA, 2004

Appointments / Positions Held

2014 - present
Scientific laboratory technician, AG-Heneka, DZNE Bonn
2009 -2013
Scientific laboratory technician, Clinical Neuroscience Unit
Department of Neurology, University Hospital Bonn
2004 – 2006
Technical assistant, INRES – Institute of Crop Science
and Resource Conservation, University of Bonn

Most Relevant Publications

1. Ising C, Venegas C, Zhang S, Scheiblich H, Schmidt SV, Vieira-Saecker A, Schwartz S, Albasset S, McManus RM, Tejera D, **Griep A**, Santarelli F, Brosseron F, Opitz S, Stunden J, Merten M, Kaye R, Golenbock DT, Blum

D, Latz E, Buée L, Heneka MT. *NLRP3 inflammasome activation drives tau pathology*. Nature. 2019 Nov;575(7784):669-673.

2. Venegas C, Kumar S, Franklin BS, Dierkes T, Brinkschulte R, Tejera D, Vieira-Saecker A, Schwartz S, Santarelli F, Kummer MP, **Griep A**, Gelpi E, Beilharz M, Riedel D, Golenbock DT, Geyer M, Walter J, Latz E, Heneka MT. Microglia-derived ASC specks crossseed amyloid- β in Alzheimer's disease. Nature 552(7685):355-361

3. Kummer MP, Vogl T, Axt D, **Griep A**, Viera-Saecker A, Jessen F, Gelpi E, Roth J. *Mrp14 deficiency ameliorates A β burden by increasing microglial phagocytosis and modulation of APP processing*. The Journal of Neuroscience : The Official Journal of the Society for Neuroscience 32(49):17824-17829

4. Heneka MT, Kummer MP, Stutz A, Delekate A, Schwartz S, Saecker A, **Griep A**, Axt D, Remus A, Tzeng TC, Gelpi E, Halle A, Korte M, Latz E and Golenbock D. *NLRP3 is activated in Alzheimer's disease and contributes to pathology in APP/PS1 mice*. Nature 493(7434)

5. Yamanaka M, Ishikawa T, Griep A, Axt D, Kummer MP and Heneka MT. *PPAR α /RXR α -Induced and CD36-Mediated Microglial Amyloid- Phagocytosis Results in Cognitive Improvement in Amyloid Precursor Protein/Presenilin 1 Mice*. The Journal of Neuroscience : The Official Journal of the Society for Neuroscience 32(48):17321-31