

Stephanie Schwartz, MSc



Clinic for Neurodegenerative Diseases
University Hospital Bonn

Scientific laboratory technician

E-Mail: stephanie.schwartz@ukbonn.de

Research Expertise

After graduating as a Master of Science from the University of Bonn, Stephanie Schwartz began researching rare diseases, both in gastroenterology and neurology. Since 2008, she worked with Prof. Michael Heneka in the Department of Neurology at University Hospital Bonn with focus on Alzheimer's research.

Education / Training

Certified biological-technical assistant 1986-1988
Master of Science, University Bonn, 1988-1996

Appointments / Positions Held

2008-present
Department of Neurodegenerative diseases and Geriatric Psychiatry, University Hospital Bonn
2007-2008
Department of Gastroenterology, University Hospital Bonn
2003-2006
Department of Neurology, Neuromuscular disorders, University Hospital Bonn
1996 - 2003
Department of Pediatric Gastroenterology, University Hospital Bonn

Most Relevant Publications

1. **Schwartz S**, Brix K, Herzog V, Keller K, Lentze MJ
Localization of secretory alzheimer amyloid precursor protein in the brush border membrane of human intestinal Epithelial cells. Journal of Pediatric Gastroenterology & Nutrition: May1999, Volume 28, p569.
2. Abele M, Bürk K, Schöls L, **Schwartz S**, Besenthal I, Dichgans J, Zühlke C, Riess O, Klockgether T. *The aetiology of sporadic adult-onset ataxia.* Brain. 2002 May;125(5):961

3. Ruemmele FM, **Schwartz S**, Seidman EG, Dionne S, Levy E, Lentze MJ. *Butyrate induced Caco-2 cell apoptosis is mediated via the mitochondrial pathway.* Gut. 2003 Jan;52(1):94-100.

4. **Schwartz S**, Beaulieu JF, Ruemmele FM. *Interleukin-17 is a potent immuno-modulator and regulator of normal human intestinal epithelial cell growth.* Biochem Biophys Res Commun. 2005 Nov 18;337(2):505-9.

5. Krawczyk M, Wolska M, **Schwartz S**, Gruenhagen F, Terjung B, Portincasa P, Sauerbruch T, Lammert F. J *Concordance of genetic and breath tests for lactose intolerance in a tertiary referral centre.* Gastrointestin Liver Dis. 2008 Jun;17(2):135-9.

6. Reimann J, Schnell S, **Schwartz S**, Kappes-Horn K, Dodel R, Bacher M. *Macrophage migration inhibitory factor in normal human skeletal muscle and inflammatory myopathies.*J Neuropathol Exp Neurol. 2010 Jun;69(6):654-62.

7. Heneka MT, Kummer MP, Stutz A, Delekate A, **Schwartz S**, Vieira-Saecker A, Griep A, Axt D, Remus A, Tzeng TC, Gelpi E, Halle A, Korte M, Latz E, Golenbock DT. *NLRP3 is activated in Alzheimer's disease and contributes to pathology in APP/PS1 mice.* Nature. 2013 Jan 31;493(7434):674-8.

8. 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 cross-seed amyloid- β in Alzheimer's disease.*Nature. 2017 Dec 20;552(7685):355-361.

9. Träschütz A, Kummer MP, **Schwartz S**, Heneka MT. *Variability and temporal dynamics of novel object recognition in aging male C57BL/6 mice.* Behav Processes. 2018 Dec;157:711-716