

**Prof. Dr. med. Stefan Bittner**

\*11.08.1983

Professor of Neuroimmunology  
Working Group Leader

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**Academia**

2007                    BSc Biomedicine, University of Würzburg

2012                    Doctorate (Dr. med.), University of Würzburg

**Career**

2011 - 2015            Research Associate, Clinic for Neurology, University Clinic Münster

2012 - 2015            Junior working group leader for neuroimmunology and immune physiology,  
University of Münster

since 2015            Professor of neuroimmunology, Johannes Gutenberg University Mainz

since 2017            Specialist for neurology, University Medical Center of the Johannes  
Gutenberg University Mainz

**Awards**

2012                    Award of the Maria Möller Foundation

2012                    Doctorate Prize of the Klug and Sichler-Foundation (University of Würzburg)

2013                    Oppenheim-Award for Multiple Sclerosis

2013                    Award of the Eckhart-Buddecke Foundation

2014                    Fellowship of the Daimler and Benz Foundation

2014                    Sobek-Award for Multiple Sclerosis Research

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## Selected Publications

**Bittner S**, Zipp F. AAN unveils new guidelines for MS disease-modifying therapy. *Nat Rev Neurol* 2018; 14(7):384-386.

Siller, N., Kuhle, J., Muthuraman, M., Barro, C., Uphaus, T., Groppa, S., Kappos, L., Zipp, F., and **Bittner, S**. Serum neurofilament light chain is a biomarker of acute and chronic neuronal damage in early multiple sclerosis. *Multiple Sclerosis Journal* 2019; 25(5): 678-686.

**Bittner, S.**, Bauer, M. A., Ehling, P., Bobak, N., Breuer, J., Herrmann, A. M., Golfels, M., Wiendl, H., Budde, T., and Meuth, S. G. 2012. The TASK1 channel inhibitor A293 shows efficacy in a mouse model of multiple sclerosis. *Exp Neurol* 238: 149-155.

**Bittner, S.**, Bobak, N., Herrmann, A. M., Gobel, K., Meuth, P., Hohn, K. G., Stenner, M. P., Budde, T., Wiendl, H., and Meuth, S. G. 2010. Upregulation of K2P5.1 potassium channels in multiple sclerosis. *Ann Neurol* 68: 58-69.

**Bittner, S.**, Meuth, S. G., Gobel, K., Melzer, N., Herrmann, A. M., Simon, O. J., Weishaupt, A., Budde, T., Bayliss, D. A., Bendszus, M., and Wiendl, H. 2009. TASK1 modulates inflammation and neurodegeneration in autoimmune inflammation of the central nervous system. *Brain* 132: 2501-2516.

**Bittner, S.**, Ruck, T., Schuhmann, M. K., Herrmann, A. M., Moha ou Maati, H., Bobak, N., Gobel, K., Langhauser, F., Stegner, D., Ehling, P., Borsotto, M., Pape, H. C., Nieswandt, B., Kleinschnitz, C., Heurteaux, C., Galla, H. J., Budde, T., Wiendl, H., and Meuth, S. G. 2013. Endothelial TWIK-related potassium channel-1 (TREK1) regulates immune-cell trafficking into the CNS. *Nat Med* 19: 1161-1165.

Ehling, P., Cerina, M., Budde, T., Meuth, S. G., and **Bittner, S**. 2015. The CNS under pathophysiologic attack--examining the role of K(2)p channels. *Pflugers Arch* 467: 959-972.