

## **Methner, Axel**

### **General Information**

Name: Methner, Axel  
Academic title: Prof. Dr. med.

Gender: Male  
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Current position/status: Professor W2



### **Academic Education and Qualifications**

1987 – 1993 Medical schools (FU Berlin, Université der Paris XI, Université de Lausanne, Brown University)

1994 – 1996 Postgraduate course in Molecular Biology at the University of Hamburg

1996 Dissertation (M.D. thesis) at the Institute for Pharmacology, Freie Universität Berlin.

### **Professional career**

1993 – 1994 Surgical Internship at the University of Tübingen

1996 – 2001 Residency in Neurology at the University Hospital Hamburg-Eppendorf:

1997 – 1998 Postdoc at the Institute of Clinical Neurobiology Hamburg besides the clinical work

1999 – 2004 Principal Investigator at the Zentrum für Molekulare Neurobiologie Hamburg (ZMNH) besides the clinical work.

2002 – 2003 Fellowship in Neurological Intensive Care at the University Hospital Hamburg-Eppendorf

2004 – 2005 Attending Neurologist at a large teaching hospital in Hamburg

2005 – 2012 Attending Neurologist at the University Hospital Düsseldorf

Since 2012 Vice chair of Neurology at the Johannes Gutenberg University Medical Center Mainz

### **Professional Awards**

1991 Bourse d'état, Université de Paris XI

1992 Biomedical exchange program MHH Hannover

2001 - 2010	Best poster prizes Deutsche Gesellschaft für Neurologie annual meeting (2001, 2002, 2003, 2010)
2002	Honorary lecture at the „Wandertreffen südwestdeutscher Neurologen und Psychiater“
2002	Arthur Kling, M.D. award for entrepreneurial science
2004	Dr. Martini-Preis (oldest prize for the advancement of clinically relevant basic science in Germany)
2010	Ellison Foundation scholarship to attend the Biology of Aging summer course in Woods Hole, Massachusetts

**Publications** (five most important publications out of 56, H-index 19)

1. Dittmer S, Kovacs Z, Yuan SH, Siszler G, Kögl M, Summer H, Geerts A, Golz S, Shioda T, **and Methner A.** (2011) TOX3 is a neuronal survival factor that induces transcription depending on the presence of CITED1 or phosphorylated CREB in the transcriptionally active complex. *J Cell Sci.*124(Pt 2):252-60. (Impact factor 6.4)
2. Steinbeck JA, Henke N, Opatz J, Gruszczynska-Biegala J, Schneider L, Theiss S, Hamacher N, Steinfarz B, Golz S, Brüstle O, Kuznicki J **and Methner A.** (2011) Store-operated calcium entry modulates neuronal network activity in a model of chronic epilepsy. *Exp. Neurology*, 232(2):185-94 (Impact factor 4.4)
3. Noack R, Frede S, Albrecht P, Henke N, Pfeiffer A, Knoll K, Dehmel T, Meyer zu Horste G, Stettner M, Kieseier B C, Summer H, Golz S, Kochanski A, Wiedau-Pazos M, Arnold S, Lewerenz J, **and Methner A.** (2012) Charcot-Marie-Tooth disease CMT4A: GDAP1 increases cellular glutathione and the mitochondrial membrane potential. *Human Molecular Genetics*. 21(1):150-62. (Impact factor 7.6)
4. Henke N, Albrecht P, Pfeiffer A, Toutzaris D, Zanger K, **and Methner A.** (2012). Stromal Interaction Molecule 1 (STIM1) Is Involved in the Regulation of Mitochondrial Shape and Bioenergetics and Plays a Role in Oxidative Stress. *J Biol Chem* 287, 42042–42052. (Impact factor 4.7)
5. Henke N, Albrecht P, Bouchachia I, Knoll K, Lewerenz J, Maher P, **and Methner A.** (2013). The plasma membrane channel ORAI1 mediates detrimental calcium influx caused by endogenous oxidative stress. *Cell Death Dis* 4, e470. (Impact factor 5.3)