Prof. Markus M. Nöthen, MD

Institute of Human Genetics

Rheinische Friedrich-Wilhelms-Universität Bonn

Institute of Human Genetics, Director

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Research Expertise

The identification of the genetic causes of inherited diseases, and a special focus on genetically complex and multifactorial phenotypes.

Education / Training

University of Bonn, Germany, Human Genetics, Habilitation, 1996
University of Bonn, Germany, Human Genetics, Medical Board Qualification, 1995
University of Würzburg, Germany, Internal Medicine, Medical thesis, 1992, University of Würzburg, Germany, Clinical Medicine, MD, 1989

Appointments / Positions Held

2008 - present
Director and Chair, Institute of Human Genetics, University of Bonn, Germany
2006 - 2014
Vice Dean for Research, Medical Faculty, University of Bonn, Germany
2004 - present
Alfried Krupp von Bohlen und Halbach Professor in Genetic Medicine, University of Bonn, Germany
2004 - present
Head, Department of Genomics, Life & Brain Center, University of Bonn, Germany
2001 - 2004
Head of Department and Chair of Medical Genetics, University of Antwerp, Belgium
1999 - 2001
Assistant Medical Director, Institute of Human Genetics
University of Bonn, Germany
1996 - 2001
Assistant Professor, Institute of Human Genetics, University of Bonn, Germany
1991 - 1996
Postdoctoral Fellow, Institute of Human Genetics, University of Bonn, Germany
1990 - 1991
Internship, Institute of Human Genetics, University of Bonn, Germany

Honors / Awards

2016 - present National Genetic Diagnostic Commission (Permanent Guest on behalf of the German Medical Association)
2015 - present Life & Brain GmbH, Bonn (Scientific Director)
2015 - present Project Committee of the National e:Med Programme (Elected Member)
2014 - 2015 Project Committee of the National e:Med Programme (Spokesman)
2013 - present Scientific Advisory Board of the Leipzig Research Center for Civilization Diseases (LIFE) (Member)
2013 - present Scientific Advisory Board of the Dr. Margarete Fischer-Bosch Institute of Clinical Pharmacology (IKP) and the Robert Bosch Hospital (RBK) (Member)
2012 - present International Advisory Board of iPSYCH (Lundbeck Foundation) (Chair)
2011 - present European Society of Human Genetics (Elected Member of the Board)
2010 - 2012 Project Committee of the National Genome Research Network (Spokesman)
2010 - present Scientific Advisory Board of the Medical Research Council (MRC) Centre for Neuropsychiatric Genetics and Genomics, Cardiff, UK (Member)
2010 - present German Academy of Sciences Leopoldina (National Academy of Sciences)
2009 - present Hermann Emminghausen-Prize
2008 - 2013 Project Committee of the National Genome Research Network (Elected member)
2007 - present Institute of Science and Ethics, Bonn (Member of the Scientific Advisory Board)
National Foundation for Legasthenia and Dyscalculia (Member of the Medical Advisory Board)
2006 - present National Alopecia Areata Foundation (Member of the Medical Advisory Board) Task Force on Genetics, World Federation of Societies of Biological Psychiatry
2005 - present International Society of Psychiatric Genetics (Elected Member of the Board)

10 Most Relevant Publications for Prof. Markus M. Nöthen

1. Betz RC, ..., Redler S, ..., Heilmann S, …, **Nöthen MM**, Daly MJ, Christiano AM (2015) Genome-wide meta-analysis in alopecia areata resolves HLA associations and reveals two new susceptibility loci. Nat Commun 6:5966

2. Gockel I, Becker J, ..., **Nöthen MM***, Boeckxstaens GE, de Bakker PI, Knapp M, Schumacher J (2014) Common variants in the HLA-DQ region confer susceptibility to idiopathic achalasia. Nat Genet 46:901-904. doi: 10.1038/ng.3029.

3. Kim S, Becker J, ..., **Nöthen MM***, Müller-Myhsok B, Pütz B, Hornung V, Schumacher J (2014)Characterizing the genetic basis of innate immune response in TLR4-activated human monocytes. Nat Commun 5:5236. doi: 10.1038/ncomms6236.

4. Schizophrenia Working Group of the Psychiatric Genomics Consortium (2014) Biological insights from 108 schizophrenia-associated genetic loci. Nature 511:421-427. doi: 10.1038/nature 13595.

5. Ramirez A, van der Flier WM, Herold C, Ramonet D, Heilmann S, ..., **Nöthen MM*** (2014) SUCLG2 identified as both a determinator of CSF Aβ1-42 levels and an attenuator of cognitive decline in Alzheimer's disease. Hum Mol Genet 23:6644-6658. doi: 10.1093/hmg/ddu372.

6. Mühleisen TW, Leber M, Schulze TG, Strohmaier J, Degenhardt F, …, **Nöthen MM***, Cichon S (2014) Genome-wide association study reveals two new risk loci for bipolar disorder. Nat Commun 5:3339.

7. Cross-Disorder Group of the Psychiatric Genomics Consortium, … , **Nöthen MM**, … , Wray N. 2013. Genetic relationship between five psychiatric disorders estimated from genome-wide SNPs. Nat Genet 45:984-994.

8. Ludwig KU, Mangold E, Herms S, Nowak S, Reutter H,…, **Nöthen MM**. 2012. Genome-wide meta-analyses of nonsyndromic cleft lip with or without cleft palate identify six new risk loci. Nat Genet 44:968-971.

9. Cichon S, Mühleisen TW, Degenhardt FA, Mattheisen M,..., Schumacher J, Maier W, Propping P, Rietschel M, **Nöthen MM***. 2011. Genome-wide association study identifies genetic variation in neurocan as a susceptibility actor for bipolar disorder. Am J Hum Genet 88:372-381.

10. Birnbaum S, Ludwig KU,..., **Nöthen MM**, Mangold E*. 2009. Key susceptibility locus for nonsyndromic cleft lip with or without cleft palate on chromosome 8q24. Nat Genet 41: 473-477.

* Publications with more than 10 authors have been shortened