



## Andreas Meyer-Lindenberg, M.D., Ph.D., M.Sc.

Director,  
Central Institute of Mental Health, Mannheim  
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Medical Director, Department of Psychiatry  
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## Personal Information

Marital status: married to Dipl. phys. Bettina Burghardt, two children  
Nationality: German  
US Visa status: Permanent resident (“Green card holder”)

## Education

1970 - 1974

**Primary school**  
*Bonn*

1975 - 1984

**Gymnasium**  
*Aloisiuskolleg, Bonn*

1984 - 1991

**Medical School, Rheinische Friedrich-Wilhelms-Universität**  
*Bonn*

Exams 1986 (Physikum, grade 1.0), 1987 (grade 1.0), 1990 (grade 1.66), 1991 (grade 1.83).  
Internship in surgery and medicine at Lüdenscheid, Germany, internship in neurology at the  
University Clinics for Neurology, Bonn.

1987 - 1991

Research assistant at the Neurochemistry Laboratory of Bonn University (head: Prof. Marie Luise  
Rao). M.D. dissertation on neurochemistry, grade “Sehr gut” (magna cum laude)

1984 - 1991

Stipendiate of the Studienstiftung des Deutschen Volkes, Bonn (national honor society)

**Medical School, Justus-Liebig University**  
*Giessen*

1999

Ph.D. (Habilitation) by the Medical Faculty of the University of Giessen, Germany (no grade)

1997 - 2003

**Department of Mathematics, Fernuniversität**  
*Hagen*

M.Sc. in Mathematics Degree 2003, grade “Mit Auszeichnung” (summa cum laude).

## Professional Experience

1989

**Cornell University - New York Hospital**  
*New York City*

Research visit at the Unit for Neurochemistry (Prof. J.J. Mann), financed by grant from the  
Studienstiftung des Deutschen Volkes, Bonn

- 1991- 1994 **Department of Neurology, State Clinic of the Rhine**  
*Bonn, Head: Prof. Robert Heitmann, from 8/1993: Priv. Doz. Rolf Biniek*  
 Resident. Rotations to neurological ICU, neurological wards, electroencephalography, evoked potentials, and Doppler sonography. In charge of Clinic hygiene since 1993.
- 1994 - 1997 **Centre for Psychiatry, Justus-Liebig University**  
*Giessen, Head: Prof. Bernd Gallhofer*  
 Resident until 1995 on closed psychiatric ward. Since 1995, lecturer in psychiatry. Head of fMRI imaging group since 1995. Since January 1996, head of neurophysiological laboratory. Since April 1996, senior registrar supervising two psychiatric wards.
- 1997 - 2001 **National Institute of Mental Health, Clinical Brain Disorders Branch**  
*Bethesda, USA, Head: Daniel Weinberger, MD*  
 Visiting Associate Research Fellowship, Unit on Integrative Neuroimaging (Chief: Dr. Karen Berman). Junior staff appointment, extensive clinical training in psychiatric research. Research experience and methods development in PET, fMRI, Electrophysiology with focus on Psychopharmacology, Schizophrenia, Cognitive Dysfunction.
- 1999 - 2007 **Medical School, Justus-Liebig University**  
*Giessen*  
 Appointment as Privatdozent
- 2001 - 2005 **National Institute of Mental Health, Clinical Brain Disorders Branch**  
*Bethesda, USA, Head: Daniel Weinberger, MD*  
 Staff Scientist (Clinician). Working on clinical and scientific aspects of neuroimaging research, functional neuroimaging, new analysis methods, transcranial magnetic stimulation and high-throughput functional/structural imaging. Codirector of the imaging core facility.
- 2005 - 2007 **National Institute of Mental Health, Genes, Cognition and Psychosis Program**  
*Bethesda, USA, Head: Daniel Weinberger, MD*  
 Investigator (tenure-track). Chief, Unit on Systems Neuroscience in Psychiatry. Codirector of the imaging core facility.
- 2007 - **Central Institute of Mental Health (Zentralinstitut für Seelische Gesundheit)**  
*Mannheim, Germany*  
 Director and Vorstandsvorsitzender (CEO) of the Institute, Medical Director of the Department of Psychiatry and Chair for Psychiatry and Psychotherapy, University of Heidelberg.

## Medical Qualifications

**Medical license, Germany, active**

**Medical license, Maryland Board of Physicians, D48385, inactive**

**Habilitation (Ph.D.) for Psychiatry and Psychotherapy 1999**

**board certification (Facharzt) for Psychiatry 1997**

**board certification for Psychotherapy 1997**

**board certification (Facharzt) for Neurology 1995**

**Electroencephalography certificate, 1994**

**Evoked Potentials certificate, 1995**

**Extra- and transcranial Doppler Sonography certificate, 1994**

**certification for Emergency Medicine, 1994**

**special training in medical hygiene, 1993**

**ECFMG-certified** 1993

**USMLE-Exam** 2004, scores 244/99 (step 1), 266/99 (step 2), 249/98 (step 3)

## **Awards**

ECNP Neuropsychopharmacology Award, 2012

Hans-Jörg Weitbrecht Award, 2011

Kurt Schneider Scientific Award, 2010

2009 NARSAD Distinguished Investigator Award, 2009

A. E. Bennett Research Award, Society of Biological Psychiatry, 2007

Joel Elkes International Award for Clinical Research, American College of Neuropsychopharmacology, 2006

Roche/Nature Medicine Award for Translational Neuroscience, 2006

National Institutes of Health Fellows Award for Excellence in Biomedical Research, 1999, 2000, 2001

International Congress for Schizophrenia Research Award 2001

2000 NARSAD Young Investigator Award, 2000

Bristol-Myers-Squibb Young Investigator Award, 1998

Travel grant, Studienstiftung des deutschen Volkes, 1989

## **Ad-hoc reviewer and other professional service**

Journals: American Journal of Human Genetics, American Journal of Medical Genetics B, American Journal of Psychiatry, Archives of General Psychiatry, Biological Psychiatry, Brain, Cerebral Cortex, CNS Neuroscience & Therapeutics, Cognitive Brain Research, European Psychiatry, Genes, Brain and Behavior, Frontiers in Neuroscience, Human Brain Mapping, The International Journal of Neuropsychopharmacology, Journal of Cerebral Blood Flow and Metabolism, Journal of Child Psychology and Psychiatry, Journal of Neuroscience, Molecular Psychiatry, Nature, Nature Medicine, Nature Neuroscience, Nature Reviews Drug Discovery, Nature Reviews Neuroscience, Neuroimage, Neuroscience, Neuroscience & Biobehavioral Reviews, Neurology, Neuropsychologia, Neuropsychobiology, Neuropsychopharmacology, Neuron, PLoS Biology, PLoS One, Proceedings of the National Academy of Science USA, Psychiatry Research – Neuroimaging, Psychiatry Research, Psychological Medicine, Science, Social, Cognitive and Affective Neuroscience (SCAN), Schizophrenia Bulletin, Schizophrenia Research, Trends in Neurosciences

Grants: Telethon Foundation, Guggenheim Foundation, Academy of Finland Research Council Swiss National Science Foundation, Wellcome Trust, Medical Research Council, National Science Foundation USA, Deutsche Forschungsgemeinschaft (DFG), NIH, Austrian Science Foundation, European Research council, others

Vertrauensdozent, Studienstiftung des Deutschen Volkes, 2008-

Conference President, Wanderversammlung Baden-Baden 2010-11

Co-chair, Task Force on Imaging Genetics, World Federation of Societies of Biological Psychiatry 2005-2009

Chair, Advisory panel, Psychiatric Genetics, Nature, Nature Neuroscience, Nature Genetics 6/2007

Scientific Advisory Board, International Conference for Human Brain Mapping 2002, 2012

Scientific Advisory Board, Robert-Sommer Award for Schizophrenia Research, 2003-

Scientific Advisory Board, Transdisciplinary Imaging Genetics Center, University of California, Irvine 2006

Scientific Advisory Board, Research Priority Program on "Foundation of Human Social Behavior", University of Zurich 2007-  
Scientific Advisory Board, German Williams-Beuren-Syndrome Society, 2008-  
Scientific Advisory Board, Von Bering-Röntgen-Stiftung, 2010-  
Scientific Advisory Board, Lundbeck Foundation Center for Clinical Intervention and Neuropsychiatric Schizophrenia Research, 2010-  
Workshop Committee, Scientific Conference Committee, ECNP, 2010-  
Scientific Advisory Board, Brain Mind Institute, Swiss Federal Institutes of Technology Lausanne, 2012-  
Member, Neuroscience Delegate Board, German Research Council (DFG) 2012-2014  
ACNP, Program Committee 2012-2014  
Editorial Board, Biological Psychiatry, Psychiatry Research: Neuroimaging, Neuroimage 2006-2011, Experimental Neurology, Psychological Medicine, Der Nervenarzt, Genes, Brain and Behavior  
Editor, Pharmacopsychiatry  
Associate Editor, Frontiers in Neuroscience, Cortex  
Field Editor, European Journal of Neuropsychopharmacology

## **Professional Society Memberships**

Leopoldina – German National Academy of Science, member  
Heidelberg Academy of Sciences and Humanities, member  
American College of Neuropsychopharmacology, fellow  
Society for Neuroscience, member  
Organization for Human Brain Mapping, member  
German Society for Psychiatry and Psychotherapy, member  
Collegium Internationale Neuro-Psychopharmacologicum, member  
European College of Neuropsychopharmacology, member

## **Grant support (since 7/2007; from 1997-6/2007 no support as member of NIMH/IRP)**

### **Completed**

1. Deutsche Forschungsgemeinschaft (DFG), DNA-Workstation (Großgeräteförderung), lead applicant, 06/2010
2. Deutsche Forschungsgemeinschaft (DFG), Ganzkörper Hochfeld 3 Tesla MR-Tomograph (Großgeräteförderung), lead applicant, 07/2008
3. Bundesamt für Strahlenschutz (BfS), "Impact of repeated exposure with strong static magnetic fields on cognitive performance of subjects", co-PI (together with W. Semmler, H. Flor), 01/2009-08/2011
4. NARSAD Distinguished Investigator Award 2009 "Identifying risk mechanisms for schizophrenia through combining genome-wide association and multimodal imaging"
5. Deutsche Forschungsgemeinschaft (DFG), Collaborative Research Center 636, "Learning, memory, and brain plasticity: Implications for psychopathology", project B07 "Experimental induction of prefrontal cortical plasticity in the human: functional correlates, neurochemical mechanisms, and genomic variations" (together with Th. Schulze, M. Rietschel), 01/2008-12/2011
5. Deutsche Forschungsgemeinschaft (DFG), Metakognitive Defizite im Prodrom schizophrener Psychosen: Psychopathologie, Neuropsychologie und funktionelle Bildgebung, co-applicant (together with M. Zink, P. Kirsch), 04/2011-03/2012
6. State of Baden-Württemberg, "Neurobiological risk mechanisms of schizophrenia and depression – a translational genetic approach" (SI-BW), 10/2007-12/2011

### **Current**

1. Deutsche Forschungsgemeinschaft (DFG), Collaborative Research Center 636, "Learning, memory, and brain plasticity: Implications for psychopathology", project B07 "Experimental

induction of prefrontal cortical plasticity in the human: Genetic variation, cellular mechanisms, and modulation through neurofeedback” (together with J Utikal, M. Rietschel), 01/2012-12/2015

2. Deutsche Forschungsgemeinschaft (DFG), Neuronale Korrelate stressbezogener Gen-Umwelt-Interaktionen, co-applicant (together with M. Laucht, T. Banaschewski, D. Brandeis), 01/2011-01/2014

3. Bundesministerium für Bildung und Forschung (BMBF), NGFN-plus MoodDS, "Systematic Investigation of the Molecular Causes of Major Mood Disorders and Schizophrenia" (MoodDS), subproject 6 "Imaging Genetics" (together with H. Walter, A. Heinz), 06/2008-05/2013

4. Bundesministerium für Bildung und Forschung (BMBF), Bernstein Center for Computational Neuroscience "From genes to behavior: Implications of genetic variations for neural information processing in psychiatric condition", project C7 „PFC-HC coupling in schizophrenia and related polymorphisms in working memory“ (together with P. Kirsch), 05/2010-04/2015

5. European Union FP7 Innovative Medicine Initiative, NEWMEDS "Novel Methods Leading to New Medications in Depression and Schizophrenia", workpackage leader, 09/2009-08/2014

6. European Union FP7 Large-scale integrating project EU-GEI, "European Network of National Schizophrenia Networks Studying Gene-Environment Interactions", workpackage leader (together with F.M. Leweke), 05/2010-04/2015

7. European Union FP7 Large-scale integrating project OPTIMISE, "Optimization of Treatment and Management of Schizophrenia in Europe", workpackage leader (together with F.M. Leweke), 02/2010-01/2016

8. European Union FP7 ROAMER: Roadmap for European mental health research – steering committee (1/2012-12/2014)

9. IMI JU EU-AIMS European Autism Interventions – A Multicentre Study for Developing New Medications – workpackage leader (04/2012-03/2017)

10. Deutsche Forschungsgemeinschaft (DFG), Clinical Research Group 256 (Borderline), project "Neural Mechanisms of Trust and Dyadic Interaction in BPD" (1/2012-12/2015)

#### **Funded but not commenced**

1. ZIPP Centre for innovative Psychiatry and Psychotherapy (State BW and Federal government)

**Total grant volume: > 39.000.000 (39 Million) €**

## **Bibliometrics**

**h-index:** 54 (Google Scholar, December 31<sup>st</sup>, 2012)

**annual citations:** >2400 (2012)

**combined impact factor:** > 1600 (Research Gate, December 31<sup>st</sup>, 2012)

## **Publications**

### ***Research Papers (with peer review)***

Meyer-Lindenberg A, Rao ML: Interrelationship between blood serotonin levels and affinity of platelet imipramine binding sites in healthy subjects. *Pharmacopsychiatry* 1993 Jan;26(1):15-9.

Meyer-Lindenberg A, Schindler E, Heitmann R: Apurulente Streptokokkenmeningitis bei bakterieller Endokarditis. *Aktuelle Neurologie* 21(1994), 28-31

Meyer-Lindenberg A: The evolution of complexity in human brain development: an EEG study. *Electroencephalography Clinical Neurophysiology* 1996 Nov;99(5):405-11.

Meyer-Lindenberg A, Krausnick B: Tardive dyskinesia in a neuroleptic-naive patient with bipolar-I disorder: persistent exacerbation after lithium intoxication. *Movement Dis* 1997 Nov;12(6):1108-1109.

Meyer-Lindenberg A, Gruppe H, Bauer U, Lis S, Krieger S, Gallhofer B: Improvement of cognitive function in schizophrenic patients receiving clozapine or zotepine: results from a double-blind study. *Pharmacopsychiatry* 1997 Mar;30(2):35-42.

Meyer-Lindenberg A, Hotz M: Ferréol-Besnier disease with associated recurrent meningitis. *J Neurology Neurosurgery Psychiatry* 1997 Mar;62(3):297.

Meyer-Lindenberg A, Mewes J, Biniek R: Megadolicho basilar artery as indication of intensive care relevant vertebrobasilar ischemia. *Nervenarzt* 1997 Aug;68(8):674-7.

Meyer-Lindenberg A, Rammsayer T, Ulferts J, Gallhofer B: The effects of sulpiride on psychomotor performance and subjective tolerance. *European Neuropsychopharmacology* 1997 Aug;7(3):219-23.

Gallhofer B, Krieger S, Lis S, Hargarter L, Roeder C, Lammers C, Meyer-Lindenberg A: Cognitive dysfunction in schizophrenia: Maze solving behaviour in treated and untreated patients. *CNS Spectrums* 2(1997), 26-40.

Meyer-Lindenberg A, Fehmeyer K, Schüler G, Lis S, Krieger S, Bauer U, Gallhofer B: The topography of non-linear cortical dynamics at rest, in mental calculation and moving shape perception. *Brain Topography* 1998;10(4):291-299.

Meyer-Lindenberg A, Gallhofer B: Somatized depression as a subgroup of fibromyalgia syndrome. *Z Rheumatol* 1998;57:92-3

Urbach H, Meyer-Lindenberg A, Bendszus M, Roggendorf W, Solymosi L: Dissections of the basilar artery. *Rofo Fortschr Geb Rontgenstr Neuen Bildgeb Verfahr* 1998 Aug;169(2):170-4.

Gallhofer B, Lis S, Meyer-Lindenberg A, Krieger S: Cognitive dysfunction in schizophrenia: A new set of tools for the assessment of cognition and drug effects. *Acta Psychiatrica Scand* 395(1999): 118-28.

Ulferts J, Meyer-Lindenberg A, Gallhofer B. Zeitsdiskrimination: Ein Vergleich zwischen Gesunden, unmedizierten, mit Zotepin sowie konventionellen Neuroleptika behandelten schizophrenen Patienten. *Neuropsychiatrie* (1999) 13: 133-138

Heun, R, Meyer-Lindenberg A: Methodische und statistische Aspekte der funktionellen Kernspintomographie. *Klin Neuroradiologie* 2001, 11: 67-82.

Meyer-Lindenberg A, Poline JB, Kohn PD, Holt JL, Egan MF, Weinberger DR, Berman KF: Evidence for abnormal cortical functional connectivity during working memory in schizophrenia. *American J Psychiatry*, 2001 Nov;158(11):1809-17.

Meyer-Lindenberg A, Miletich R, Kohn P, Esposito G, Carson R, Quarantelli M, Weinberger DR, Berman KF: Reduced prefrontal activity predicts exaggerated striatal dopaminergic function in schizophrenia. *Nature Neuroscience* 2002 Mar;5(3):267-71.

Meyer-Lindenberg A, Ziemann U, Hajak G, Cohen L, Berman KF: Transitions between dynamical states of differing stability in the human brain. *Proc Natl Acad Sci U S A* 2002 Aug 20;99(17):10948-53. Epub 2002 Jul 31.

Glabus MF, Horwitz B, Holt JL, Kohn PD, Gerton BK, Callicott JH, Meyer-Lindenberg A, Berman KF: Interindividual differences in functional interactions among prefrontal, parietal and parahippocampal regions during working memory. *Cereb Cortex* 2003 Dec;13(12):1352-61.

Gerton BK, Brown TT, Meyer-Lindenberg A, Kohn P, Holt JL, Olsen RK, Berman KF: Shared and Distinct Neurophysiological Components of the Digits Forward and Backward Tasks as Revealed by Functional Neuroimaging. *Neuropsychologia*, 2004,42(13):1781-7.

Meyer-Lindenberg A, Kohn P, Mervis CB, Olsen R, Kippenhan S, Morris CA, Berman KF: Neural basis of genetically determined visuospatial construction deficit in Williams syndrome. *Neuron*, 2004 43(5):623-31.

Pezawas L, Verchinski BA, Mattay VS, Callicott JH, Kolachana BS, Straub RE, Egan MF, Meyer-Lindenberg A, Weinberger DR: The brain-derived neurotrophic factor val66met polymorphism and variation in human cortical morphology. *J Neurosci* 2004 Nov 10;24(45):10099-102.

Meyer-Lindenberg A, Mervis CB, Sarpal D, Koch P, Steele S, Kohn P, Marengo S, Morris CA, Das S, Kippenhan S, Mattay VS, Weinberger DR, Berman KF: Functional, structural and metabolic abnormalities of the hippocampal formation in Williams syndrome. *J Clin Investigation*, 2005 115: 1888-1895.

Kippenhan S, , Olsen R, Kohn PD, Mervis CB, Morris CA, Kohn PD, Meyer-Lindenberg A\*, Berman KF\*: Genetic Contributions to Human Gyrfication: Sulcal Morphometry in Williams Syndrome. (\*shared senior authorship) *J Neurosci*, 2005 25: 7840-7846.

Hernandez DG, Paisán-Ruiz C, McInerney-Leo A, Jain S, Meyer-Lindenberg A, Evans EW, Berman KF, Johnson J, Auburger G, Schäffer AA, Lopez GJ, Nussbaum RL, Singleton AB: Clinical and positron emission tomography of Parkinson's disease caused by LRRK2. *Ann Neurol*. 2005 Feb 24;57(3):453-456

Tost H, Ruf M, Demirakça T, Grimm O, Henn FA, Ende G, Meyer-Lindenberg A: Functional imaging in schizophrenia research. *Int Rev Neurobiol*, 2005;67PB:95-118.

Tost H, Meyer-Lindenberg A, Ruf M, Demirakça T, Grimm O, Henn FA, Ende G: One decade of functional imaging in schizophrenia research. From visualisation of basic information processing steps to molecular-genetic oriented imaging. *Radiologe*, 2005 Feb;45(2):113-8, 120-3.

Meyer-Lindenberg A, Olsen RK, Kohn PD, Brown T, Egan MF, Weinberger DR, Berman KF: Regionally specific disturbance of dorsolateral prefrontal-hippocampal functional connectivity in schizophrenia. *Arch Gen Psychiat*, 2005 Apr;62(4):379-86.

Meyer-Lindenberg A, Kohn PD, Kolachana B, Kippenhan S, McInerney-Leo A, Nussbaum R, Weinberger DR, Berman KF: Midbrain dopamine and prefrontal function in humans: interaction and modulation by *COMT* genotype. *Nature Neuroscience*, 2005 May;8(5):594-596. Epub 2005 Apr 10.

Krieger S, Lis S, Cetin T, Gallhofer B, Meyer-Lindenberg A: Executive function and cognitive subprocesses in first-episode, drug-naive schizophrenia: an analysis of N-back performance. *American J Psychiatry*, 2005 Jun;162(6):1206-8.

Pezawas L\*, Meyer-Lindenberg A\*, Drabant EM, Verchinski BA, Munoz KE, Kolachana BS, Egan MF, Mattay VS, Hariri AR, Weinberger DR: 5-HTTLPR polymorphism impacts human cingulate-amygdala interactions: a genetic susceptibility mechanism for depression. *Nature Neuroscience*, 2005 Jun;8(6):828-34. Epub 2005 May 8. (\*shared first authorship)

Callicott JH, Straub RE, Pezawas L, Egan MF, Mattay VS, Hariri AR, Verchinski BA, Meyer-Lindenberg A, Balkissoon R, Kolachana B, Goldberg TE, Weinberger DR: Variation in DISC1 affects hippocampal structure and function and increases risk for schizophrenia. *Proc Natl Acad Sci U S A* 2005 Jun 14;102(24):8627-32. Epub 2005 Jun 6.

Meyer-Lindenberg A, Hariri AR, Muñoz KE, Morris CA, Mervis C, Mattay VS, Berman KF: Neural correlates of genetically abnormal social cognition in Williams syndrome. *Nature Neuroscience*, 2005 Aug;8(8):991-993.

Kirsch P, Esslinger C, Chen Q, Mier D, Lis S, Siddhanti S, Gruppe H, Mattay VS, Gallhofer B, Meyer-Lindenberg A: Oxytocin modulates neural circuitry for social cognition and fear in humans. *J Neurosci*, 2005 Dec 7;25(49):11489-93.

Mattay VS, Fera F, Tessitore A, Hariri AR, Berman KF, Das S, Meyer-Lindenberg A, Goldberg TE, Callicott JH, Weinberger DR: Neurophysiological correlates of age-related changes in working memory capacity. *Neuroscience Letters*, 2006 Jan 9;392(1-2):32-7.

Meyer-Lindenberg A, Buckholtz JW, Kolachana B, R Hariri A, Pezawas L, Blasi G, Wabnitz A, Honea R, Verchinski B, Callicott JH, Egan M, Mattay V, Weinberger DR: Neural mechanisms of genetic risk for impulsivity and violence in humans. *Proc Natl Acad Sci U S A*, 2006 103(16): 6269-74. Epub 2006 Mar 28.

Meyer-Lindenberg A, Nichols T, Callicott J, Ding J, Kolachana BS, Buckholtz J, Mattay VS, Egan MF, Weinberger DR: Impact of complex genetic variation in *COMT* on human brain function. *Mol Psychiatry*, 2006, 11(9): 867-877, 797. Epub 2006 Jun 20.

Meyer-Lindenberg A, Nichols T, Callicott J, Ding J, Kolachana BS, Buckholtz J, Mattay VS, Egan MF, Weinberger DR: COMT haplotype variation affects human prefrontal function. *Mol Psychiatry* 2006 11(9): 797.

Meyer-Lindenberg A, Mervis CB, Berman KF: Neural mechanisms in Williams syndrome: a unique window to genetic influences on cognition and behavior. *Nature Reviews Neuroscience*, 2006; April 7: 380-393

Kempf L, Meyer-Lindenberg A: Imaging genetics and psychiatry. *Focus*, 2006 4: 327-338.

Meyer-Lindenberg A, Weinberger DR: Intermediate phenotypes and genetic mechanisms of psychiatric disorders. *Nature Reviews Neuroscience*, 2006 Oct;7(10):818-827.

Tost H, Meyer-Lindenberg A, Klein S, Schmitt A, Höhn F, Tenckhoff A, Ruf M, Ende G, Rietschel M, Henn FA, Braus DF: D2 antidopaminergic modulation of frontal lobe function in healthy human subjects. *Biol Psychiatry* 2006 Dec 1;60(11):1196-205. Epub 2006 Sep 1.

Bertolino A, Rubino V, Sambataro F, Blasi G, Latorre V, Fazio L, Caforio G, Petruzzella V, Kolachana B, Hariri AR, Meyer-Lindenberg A, Nardini M, Weinberger DR, Scarabino T: Prefrontal-hippocampal coupling during memory processing is modulated by COMT val158met genotype. *Biol Psychiatry* 2006 Dec 1;60(11):1250-8. Epub 2006 Sep 1.

Tan HY, Sust S, Buckholtz J, Mattay VS, Meyer-Lindenberg A, Egan MF, Weinberger DR, Callicott JH: Dysfunctional prefrontal regional specialization and compensation in schizophrenia. *Am J Psychiatry*, 2006; 163:1969–1977.

Drabant EM, Hariri AR, Meyer-Lindenberg A, Muñoz KE, Mattay VS, Kolachana BS, Egan MF, Weinberger DR: Catechol O-methyltransferase val158met genotype and neural mechanisms related to affective arousal and regulation. *Arch Gen Psychiat*, 2006 Dec;63(12):1396-406.

Bassett DS, Meyer-Lindenberg A, Achard S, Duke T, Bullmore E: Adaptive reconfiguration of fractal small-world human brain functional networks. *Proc Natl Acad Sci U S A*, 2006 103(51): 19518-23. Epub 2006 Dec 11.

Meyer-Lindenberg A, Straub RE, Lipska BK, Verchinski BA, Goldberg T, Callicott JH, Egan MF, Huffaker SS, Mattay VS, Kolachana B, Kleinman JE, Weinberger DR: Genetic evidence implicating DARPP-32 in human frontostriatal structure, function, and cognition. *J Clin Investigation*, 2007 Mar;117(3):672-82. Epub 2007 Feb 8.

Buckholtz JW, Meyer-Lindenberg A, Honea RA, Straub RE, Pezawas L, Egan MF, Vakkalanka R, Kolachana B, Verchinski BA, Sust S, Mattay VS, Weinberger DR, Callicott JH: Allelic Variation in RGS4 Impacts Functional and Structural Connectivity in the Human Brain. *J Neurosci*, 2007 Feb 14;27(7):1584-93.

Stein JL, Wiedholz LM, Bassett DS, Weinberger DR, Zink CF, Mattay VS, Meyer-Lindenberg A: A validated network of effective amygdala connectivity. *Neuroimage*, 2007 Jul 1;36(3):736-45. Epub 2007 Mar 28.

Buckholtz JW, Callicott JH, Kolachana B, Hariri AR, Goldberg TE, Genderson M, Egan MF, Mattay VS, Weinberger DR, Meyer-Lindenberg A: Genetic variation in MAOA modulates ventromedial prefrontal circuitry mediating individual differences in human personality. *Mol Psychiatry*, 2008 Mar;13(3):313-24. Epub 2007 May 22.

Tan HY, Chen Q, Sust S, Buckholtz JW, Meyers JD, Egan MF, Mattay VS, Meyer-Lindenberg A, Weinberger DR, Callicott JH: Epistasis between catechol-O-methyltransferase and type II metabotropic glutamate receptor 3 genes on working memory brain function. *Proc Natl Acad Sci U S A*, 2007 Jul 24;104(30):12536-41. Epub 2007 Jul 16.

Buckholtz JW, Sust S, Tan HY, Mattay VS, Straub RE, Meyer-Lindenberg A, Weinberger DR, Callicott JH: fMRI evidence for functional epistasis between COMT and RGS4. *Mol Psychiatry*, 2007 Oct;12(10):893-895, 885.

Buckholtz JW, Prust M, Sust S, Tan HY, Mattay VS, Straub RE, Meyer-Lindenberg A, Weinberger DR, Callicott JH: Imaging epistasis in vivo: COMT and RGS4. *Mol Psychiatry*, 2007 Oct;12(10):885



Goldman AL, Pezawas L, Mattay VS, Fischl B, Verchinski BA, Zolnick B, Weinberger DR, Meyer-Lindenberg A: Heritability of Brain Morphology Related to Schizophrenia: A Large-Scale Automated Magnetic Resonance Imaging Segmentation Study. *Biol Psychiatry*, 2008 Mar 1;63(5):475-83. Epub 2007 Aug 28.

Zink CF, Meyer-Lindenberg A: Imaging genetics for neuropsychiatric disorders. *Child Adolesc Psychiatr Clin N Am*. 2007 Jul;16(3):581-97.

Zink M, Meyer-Lindenberg A: Die molekulare Neurobiologie schizophrener Psychosen (Molecular neurobiology of schizophrenic psychoses). *Nervenheilkunde*, 2007 26:882–890.

Honea RA, Meyer-Lindenberg A, Hobbs KB, Pezawas L, Mattay VS, Egan MF, Verchinski B, Passingham RE, Weinberger DR, Callicott JH: Is gray matter volume an intermediate phenotype for schizophrenia? A voxel-based morphometry study of patients with schizophrenia and their healthy siblings. *Biol Psychiatry*, 2008 Mar 1;63(5):465-74. Epub 2007 Aug 8.

Buckholtz JW, Meyer-Lindenberg A: MAOA and the neurogenetic architecture of human aggression. *Trends in Neurosciences* 2008. Mar;31(3):120-9. Epub 2008 Feb 6.

Marengo S, Siuta MA, Kippenhan JS, Grodofsky S, Chang WL, Kohn P, Mervis CB, Morris CA, Weinberger DR, Meyer-Lindenberg A, Pierpaoli C, Berman KF: Genetic contributions to white matter architecture revealed by diffusion tensor imaging in Williams Syndrome. *Proc Natl Acad Sci U S A*, 2007 Sep 18;104(38):15117-22. Epub 2007 Sep 7.

Tan HY, Chen Q, Goldberg TE, Mattay VS, Meyer-Lindenberg A, Weinberger DR, Callicott JH: Catechol-O-methyltransferase Val158Met modulation of prefrontal-parietal-striatal brain systems during arithmetic and temporal transformations in working memory. *J Neuroscience*, 2007 Dec 5;27(49):13393-401.

Dressing H, Meyer-Lindenberg A: Simulation bei posttraumatischer Belastungsstörung. [Malinger of post-traumatic stress disorder] *Versicherungsmedizin* 2008 Mar 1;60(1):8-13.

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