

CURRICULUM VITAE

Georg Northoff, M.D., M.A., Ph.D.

DEGREES:

Ph.D., Philosophy, University of Duesseldorf, Germany, 1999
Ph.D., Psychiatry/Medicine, University of Magdeburg, Germany, 1998
M.A., Philosophy, University of Bochum, Germany, 1992
M.A., Medicine, University of Muenchen, Germany, 1990
M.D., Medicine, University of Bochum/Essen, Germany, 1989

EMPLOYMENT HISTORY:

2009 - Present Canada Research Chair in Mind, Brain Imaging and Neuroethics,
University of Ottawa

2009 - Present Michael Smith Chair, Mental Health and Neuroscience, EJLB-CIHR

2009 - Present Research Unit Director, Mind, Brain Imaging and Neuroethics, University
of Ottawa Institute of Mental Health Research

2005 - 2009 Full Professor, Neuropsychiatry, Otto-von-Guericke University
Magdeburg

2003 - 2005 Associate Professor, Psychiatry, University of Magdeburg;

2003 - 2005 Chief Attending; Director, Laboratory of Neuroimaging and
Neurophilosophy

2000 - 2003 Visiting Associate Professor, Harvard University, Boston/USA

ACADEMIC HONOURS: (F.R.S., F.R.S.C., Governor Generals Award, honorary degree, or equivalent.

Investigator Award on Schizophrenia, Vancouver, 2001
Senior Investigator Award on Research on Schizophrenia, 2000

SCHOLARLY AND PROFESSIONAL ACADEMIC ACTIVITIES:

2009 Reviewer, National Research Foundation South Africa (NRF)
2008 Reviewer, Medical Research Council Great Britain (MRC)
2008 Reviewer, DFG (Germany)
2008 Reviewer, National Institute of Health (NIH/USA)
2008 Reviewer, British J of Pharmacology
2008 Reviewer, Social Neuroscience
2008 Reviewer, Molecular Psychiatry
2008 Reviewer, Neuron

- 2008 Reviewer, Neuropsychopharmacology
 2008 Reviewer, Personality and Individual Differences
 2008 Reviewer, Social Neuroscience
 2008 Reviewer, The World Journal of Biological Psychiatry
 2007 Reviewer, National Science Foundation (NSF/USA)
 2007 Reviewer, Wellcome Trust (Great Britain)
 2007 Reviewer, BMBF (Germany)
 2007 Reviewer, Israel Science Foundation (ISF)
 2007 Reviewer, Brain Research Review
 2007 Reviewer, J of Neuroscience
 2007 Reviewer, Psychotherapy and Psychosomatics
 2007 Reviewer, Human Nature
 2007 Reviewer, Neuropsychologia
 2007 Reviewer, Neuropsychoanalysis
 2007 Reviewer, Psychological Science
 2007 Reviewer, Neurobiology of Aging
 2006 Reviewer, Swiss National Foundation (SNF)
 2006 Reviewer, American J of Psychiatry
 2006 Reviewer, Brain Research
 2006 Reviewer, International Journal of Clinical Psychopharmacology
 2006 Reviewer, Neuroscience
 2006 Reviewer, Psychological Science
 2006 Reviewer, Trends in Cognitive Sciences
 2006 Reviewer, Cognitive Brain Research
 2005 Reviewer, Archives of General Psychiatry
 2005 Reviewer, J of Consciousness Studies
 2005 Reviewer, Journal of Psychiatry and Neuroscience
 2005 Reviewer, Neuroimage
 2005 Reviewer, Neuropsychology
 2005 Reviewer, Schizophrenia Research
 2005 Reviewer, Progress in Neuropsychopharmacology and Biological Psychiatry
 2004 Reviewer, J of Nuclear Medicine
 2004 Reviewer, J of Psychiatric Research
 2004 Reviewer, Cognitive and Behavioral Neurology
 2004 Reviewer, Psychiatry Research Neuroimaging
 2004 Reviewer, Philosophical Psychology
 2003 Reviewer, Consciousness and Cognition
 2003 Reviewer, Psychological Medicine
 2003 Reviewer, Psychopharmacology
 2004 Reviewer, Psychiatry Research

Memberships

- Society for Neurology and Psychiatry/Germany
 Society for Neuroscience/USA
 Society for Analytical Philosophy/Germany
 American Academy of Science/USA
 Academy of Ethics in Medicine

2011/04/29

GRADUATE SUPERVISIONS:

Completed: 9 M.A., 10 Ph.D. 12 Post Doctoral Fellows
 In progress: 2 Post Doctoral Fellows (University of Ottawa)

2010 - Present Niall Duncan (PhD), Psychology, Imaging
 2009 - Present David Hayes (Post Doctoral Fellow), Psychology/Imaging
 2009 - Present Pengmin Qin (Post Doctoral Fellow), Psychology/Imaging
 2006 - 2009 Simone Grimm (Post Doctoral Fellow), Psychology/Imaging
 2005 - 2007 Diana Moritz (MA), Neuropsychology in gambling
 2004 - 2008 Moritz de Greck (Post Doctoral Fellow), Imaging
 2004 - 2008 Mathias Gessner (PhD), MEG in schizophrenia
 2004 - 2008 Martin Walter (Post Doctoral Fellow), Imaging
 2004 - 2007 Martin Walter (PhD), fMRI in depression during emotional stimulation
 2004 - 2007 Christian Matthiae (MA), fMRI and domain independence in prefrontal cortex
 2004 - 2006 Matthias Lang (MA), Neuropsychology of egodisturbances in schizophrenia
 2004 - 2006 Christine Wiebking (MA), Neuropsychology and fMRI of emotions in pedophilia
 2004 - 2006 Nadine Musolff (MA), 7T fMRI and salience
 2003 - 2006 Jutta Ernst (MA), fMRI in emotion and self in depression
 2002 - 2004 Alexander Heinzl (PhD), Neurophilosophy of emotions
 2001 - 2006 Simone Grimm (PhD), Emotions in fMRI in depression
 2001 - 2004 Felix Bermpohl (Post Doctoral Fellow), Imaging/Psychiatry
 2000 - 2009 Kai Eicke (PhD), Mental causation and emotions
 2000 - 2006 Alexander Heinzl (Post Doctoral Fellow), Imaging/Neurophilosophy
 2000 - 2006 Thomas Witzel (Post Doctoral Fellow), Imaging
 2000 - 2004 Dieter Fischer (Post Doctoral Fellow), Psychiatry/Imaging
 2000 - 2004 Andrea Pfennig (Post Doctoral Fellow), Psychiatry/Imaging
 2000 - 2002 Kai Eicke (Post Doctoral Fellow), NeuroPhilosophy
 2000 - 2002 Robert Niese (Post Doctoral Fellow), Imaging
 1998 - 2007 Alexander Heinzl (MA), Phantom limb and the mindbody problem
 1998 - 2004 Andre Richter (Post Doctoral Fellow), Psychiatry
 1998 - 2002 Oliver Gruber (PhD), Motor and psychological functions in akathisia
 1998 - 2002 Wenzel Glanz (PhD), Visuospatialmotor function in fMRI
 1998 - 2001 Andreas Koch (PhD), Subjective experience in depression
 1998 - 2000 Kai Eicke (MA), Mental causation and catatonia
 1997 - 2004 Andre Richter (PhD), fMRI in catatonia
 1997 - 2002 Ingo Schwab (MA), Neurophilosophy and W.Quine

EXTERNAL RESEARCH FUNDING:

Northoff, G. (2010 - Present) *Neural Mechanisms Underlying Abnormal Arousal and Body Perception in Adolescents with Anxiety Disorders like Social Phobia and Depression: How does Hand-Holding impact Neural Activity during Interoceptive Awareness?* Hope of Depression Research Foundation, \$100,000.00

2011/04/29

- Northoff, G. (2009 – Present) *EJLB-CIHR Michael Smith Chair in Neurosciences and Mental Health, Endowment Grant*. EJLB Foundation, \$1,000,000.00
- Northoff, G. (2009 – Present) *Establishment Grant*. The Canadian Institutes of Health Research (CIHR), \$300,000.00
- Northoff, G. (2009 – Present) *Additional Infrastructure Grant*. Canada Research Chair/Canada Foundation for Innovation (CRC/CFI), \$235,000.00
- Northoff, G. (2009 – Present) *Institutional Grant*. The Canadian Institutes of Health Research/Institute of Neurosciences, Mental Health and Addiction (CIHR-INMHA), \$50,000.00
- Northoff, G., Boeker, H, Boesiger P (2009 – Present) *Depression: Pathophysiological and Biochemical Correlates of Psychopathological Symptoms*. Schweizer Nationalfond (SNF), \$146,760.00
- Northoff, G. (2008 – Present) *Functional Imaging of the Self in Psychiatric Disorders and Psychotherapy. A Longitudinal Study*. Salus Foundation, \$150,000.00
- Northoff, G. (2008 – 2011) *Project A-6 Subcortical and Cortical Functional Anatomy of Reward and Punishment in Healthy and Depressed Subjects – A Combined fMRI-MRS Study*. German Research Foundation, \$245,000.00
- Northoff, G., Boeker H., Boesiger, P. (2007 – Present) *Neural Activity Bipolar Depression during Emotion Perception and Judgment. An fMRI Study*. Schweizer Nationalfond (SNF), \$158,800.00
- Northoff, G. (2007 – 2011) *Functional Neuroanatomy and Regional Metabolism in Depressed Patients with Quetiapin: An fMRI Guided MRS Study on a 7 Tesla Scanner*. AstraZeneca ITT, \$156,000.00
- Northoff, G. (2007 – 2010) *Functional Imaging of Emotion in Depression*. Stanley Thomson Foundation, \$138,000.00
- Northoff, G. (2006 – Present) *Imaging of Bodily Symptoms in Depression*. Hope of Depression Research Foundation, \$100,000.00
- Northoff, G. (2006 – 2010) *Functional Neuroanatomy in Major Depressive Disorder before and after Duloxetine*. Lilly Deutschland ITT, \$75,000.00
- Northoff, G. (2006 – 2010) *Neuropsychologie und Neurophysiologie der Depression*. Swiss National Foundation, \$50,000.00
- Northoff, G., Boeker. H. (2005 – Present) *Emotionen Bei Depression – fMRI und MRS*. Goldberg Stiftung, \$60,000.00
- Northoff, G. (2005 – Present) *Kognitionen und Emotionen bei Depression*. Gebert-Rüf Stiftung, \$48,000.00
- Northoff, G. (2004 – Present) *Participant and co-applicant in PhD Program “Integrative Neuroscience” in Magdeburg*. University of Magdeburg, \$200,000.00

Northoff, G. (2003 - Present) Janssen-Cilag, \$6,000.00

Northoff, G. (2003 - Present) Stiftung für wissenschaftliche Forschung an der Universität Zuerich, \$16,000.00

Northoff, G. (2001) Stiftung fuer wissenschaftliche Forschung an der Universitaet Zuerich, \$17,000.00

Northoff, G. (2001) Pfizer, \$5,000.00

Northoff, G. (1998-1999) *Sonderforschungsbereich, Limbisches System*. Universität Magdeburg 426 Teilprojekt C6, \$104,500.00

Northoff, G. (1997) Graduierten Forschungs Stipendium der Novartis Stiftung für therapeutische Forschung, \$30,000.00

PUBLICATIONS:

1)

- Books authored	6
- Books edited	1
- Refereed Chapters in books.....	34
- Non-refereed Chapters in books	0
- Papers in <u>refereed</u> journal.....	131
- Papers in refereed conference proceedings.	6
- Major invited contributions and/or technical reports.....	0
- Abstracts and/or papers read	0
- Others (workshops presented)	200

Books authored:

1. The Search Warrent for the Ego. A Neurophilosophical Mystery Novel. (Irisiana, 2009)
2. Philosophy of the brain. The brain problem. (John Benjamin Publishing Company, Amsterdam, 2004)
3. Personale Identität und das Gehirn. (Personal identity and the brain) (Schöningh Mentis Verlag, Paderborn, 2001)
4. Das Gehirn: Eine neurophilosophische Bestandsaufnahme. (The brain: A neurophilosophical state of the art) (Mentis Verlag, Paderborn, 2000)
5. Einführung in die Phänomenologie, Klinik und Pathophysiologie eines psychomotorischen Syndroms. (Catatonia: Intorduction in phenomenology, clinics and pathophysiology of a psychomotor syndrome) (Enke Verlag, Stuttgart, 1997)

2011/04/29

6. Neuropsychiatrische Phänomene und das Leib-Seele Problem: Qualia im Knotenpunkt zwischen Leib und Seele. (Neuropsychiatric phenomena and the mind-body problem: Qualia in the node point between body and mind) (Blaue Eule Verlag, Essen, 1995)

Books edited:

1. Neuropsychiatrie und Neurophilosophie ed. by G. Northoff (Hrsg), Schöningh Verlag, Paderborn, 1997

Refereed Chapters in Books:

1. Understanding the self: A cultural neuroscience approach in J. Chiao (Eds) Progress in Brain Research (ELSEVIER, 2009)
2. Katatonie - Biologie und Pathophysiologie in Kircher T (Hrsg) Kognitive Neuropsychologie der Schizophrenie (Springer Verlag, 2007)
3. Die Neurobiologie der Religion in N.Muenter (Hrsg) Religion und Neurowissenschaften (Psychiatrie Verlag, 2007)
4. Phenomenal time and the self in depression - a neurophenomenological Hypothesis in Fuchs T, Mundt C (Hrsg) Phenomenology and neuroscience of time in neuropsychiatric disorders (Oxford University Press, Oxford, 2007)
5. Können wir unser eignes Gehirn als Gehirn erkennen? in J.Reichertz, N.Zaboura (Hrsg) Akteur Gehirn - oder das vermeintliche Ende des handelnden Subjekts (VS, Wiesbaden, 2006)
6. Was ist Selbst? Selbstbezogenes Processing und seine neuronalen Korrelate in H.Foerstl (Hrsg) Theory of mind (DeGruyter, Berlin, 2006)
7. Neurophilosophie - Philosophie der Zukunft? in O.Hallich Fortschritt und Technologie. Festschrift zum 60.Geburtstag von D.Birnbacher
8. Brain imaging in Catatonia in Caroff S et al. (Eds) Catatonia (American Psychiatric Press, 2004)
9. Personal identity and brain transplants - a philosophical and empirical study in J.Thome, J.Schramme (Eds) Psychiatry and philosophy (DeGruyter, 2004)
10. Heinzl A, Northoff G.: Kognitive Neurowissenschaft und Emotionen: Konzeptuelle Unmöglichkeit oder fruchtbare Symbiose? in BJ Krause, MuellerGaertner H (HRS). Bildgebung des Gehirns und Kognition. P.21730; Ecomed, Duesseldorf, 2004
11. Psychoanalyse und Neurowissenschaften: Kompatibilität! in H.Boeker (HRSG) Psychoanalyse und Psychiatrie (Springer, Heidelberg, 2004)

12. The self in philosophy, neuroscience and psychiatry: An epistemic approach in David A, Kircher T (Eds) The self in neuroscience and psychiatry (Cambridge University Press, p.4055, 2003)
13. Sensory perception and experience of time: Neurophilosophy of time in T.Seidel, C.Brown (Eds) The brain (2003)
14. Funktionelle Bildgebung und Neurophilosophie der Emotionen in B.Krause (Eds) Imaging of higher cognitive functions (2003)
15. Are we our brains? Personal identity and „philosophy of the brain“ – a combined ontological and empirical investigation in C.Kanzian, J.Quitterer, E.Runggaldier (Eds) Persons. An interdisciplinary approach (Wittgenstein proceedings, 2003, Wien)
16. Catatonia: Pathophysiology and psychopathology of a psychomotor syndrome in G.Adelman, B.Smith (Eds) Encyclopedia of Neuroscience (Elsevier Publisher, 2003, New York)
17. Praefrontale kortikale Funktion und Depression: Benötigen wir eine physiologischorientierte Psychotherapie?“ in Boeker H/Hell D (Eds) Therapie der affektiven Störungen (117141, Schattauer, Stuttgart, 2002)
18. Multilevel neuron and network modeling in computational neuroanatomy in S.Gersen, Keagle M (Eds) The principles of cytogenetics (Humana Press Inc. Totowa NJ, 2002, 35982)
19. Das Gehirn, der Leib und das Leib-Seele Problem. In: FJ. Illhardt (ED) Körper und Leib in der Psychiatrie. Schattauer, Stuttgart, 2001
20. Affektive, kognitive und motorische Veränderungen bei der Akathisie. IN: Machleidt W et al. (Eds), Schattauer, Stuttgart, 308-317, 2000
21. Katatonie als ein paradigmatisches Modell einer neuropsychiatrischen Erkrankung zwischen Geist und Gehirn. In: J.Höffler (HRSG) Traditionelle Konzepte der Katatonie. Thieme Verlag, 2000
22. Phänomenale, tiefenpsychologische und neurowissenschaftliche Perspektiven der Katatonie: Eine epistemische Betrachtung. In: H.Böker (HRSG) Depression und Manie: Psychodynamische Theorien, individuumzentrierte Forschung und psychotherapeutische Praxis. Psychosozial Verlag, Gießen. 2000
23. Subjective experience of catatonia: Construct-analytical findings by means of modified Landfield categories. In: J.Scheer (Ed) The Person in Society. Challenges to a Constructivist Theory Psychosozial Verlag, Giessen, 2000
24. Biologische Befunde zur Pathophysiologie des katatonen Syndroms. In: P.Bräunig (HRSG) Katatonie. Springer Verlag, Heidelberg; 2000, in Druck
25. Psychiatric Disorders. Harrison's Principle of Internal Medicine. McGraw Hill, 1999

26. Reduced number of NOS immunoreactive neurons in the Nucleus paraventricularis thalami of depressed patients and schizophrenics. In HW Korf, KH Usadel Neuroendocrinology. Springer, Berlin 1997
27. Neuropsychiatrie und Neurophilosophie. In: G Northoff (HRSG) Neuropsychiatrische Phänomene und das Leib-Seele Problem. Schöningh Verlag, Paderborn, 1997
28. Psychomotorische Syndrome als paradigmatische Beispiele der Geist-Gehirn Relation. In: G Northoff (HRSG): Neuropsychiatrische Phänomene und das Leib-Seele Problem. Schöningh Verlag, Paderborn, 1997
29. Mental states in phenomenological and analytic philosophy - a comparison between M Merleau-Ponty and T Nagel. In: G Meggele (HRSG); Analytomen II, Proceedings of the 2nd conference Perspectives in Analytical Philosophy. De Gruyter, Berlin, 1997
30. Personale Identität und Erste-Person Perspektive bei Erkrankungen des Gehirns: Theoretische und empirische Implikationen. In: C. Hubig (HRSG) Cognition humana - Dynamik des Wissens und der Werte. Universitätsverlag, Leipzig 1996
31. Effects of benzodiazepines in hypokinetic catatonia - a pathophysiological model. In: H. Beckmann/K. Neumärker(Hg), Endogenous Psychosis, Ullstein, 1995
32. Ein neuropsychiatrisches Konzept. In: G. Huffmann (Hg), Extrapyramidal-motorische Erkrankungen, Reinbeck, 1994
33. Psychosomatics, the lived body and anthropological medicine: Concerning a case of atopic dermatitis. In: D. Leder (Hg), The body in medical thought and practice, Boston 1992
34. Toward a Husserlian Phenomenology of the initial stages of schizophrenia. In: M. Spritzer et al. (Hg), Psychopathology and Philosophy, Berlin 1990

Papers in refereed Journals:

1. Moritz de Greck, Gang Wang, Xuedong Yang, Xiaoying Wang, **Georg Northoff**, and Shihui Han. Neural substrates underlying intentional empathy. Social Cognitive and Affective Neuroscience, April 2011. doi:10.1093/scan/nsq093
2. Enzi, Doering, Faber, Hinrichs, Bahmer, **Northoff**. Reduced deactivation in reward circuitry and midline structures during emotion processing in borderline personality disorder. World Journal of Biological Psychiatry 2011, article in press
3. **Georg Northoff**. Self and brain: what is self-related processing? Trends in Cognitive Sciences 2011, May 2011, Vol. 15, No. 5. DOI: 10.1016/j.tics.2011.03.001
4. G. Hasler and **G. Northoff**. Discovering imaging endophenotypes for major depression. Molecular Psychiatry (2011), 1-16
5. A. Supady, A. Voelkel, J. Witzel, U. Gubka, **G. Northoff**. How is informed consent related to emotions and empathy? An exploratory neuroethical investigation. J Med Ethics 2011, doi:10.1136/jme.2010.037937

2011/04/29

6. **Georg Northoff**, Dave J. Hayes. Is Our Self Nothing but Reward? Biological Psychiatry 2011, article in press, doi:10.1016/j.biopsych.2010.12.014
7. Simone Grimm, Jutta Ernst, Peter Boesiger, Daniel Schuepbach, Heinz Boeker, **Georg Northoff**. Reduced negative BOLD responses in the default-mode network and increased self-focus in depression. World Journal of Biological Psychiatry, online on January 19, 2011, doi:10.3109/15622975.2010.545145
8. **Georg Northoff**, Christine Wiebking, Todd Feinberg, Jaak Panksepp. The 'resting-state hypothesis' of major depressive disorder – A translational subcortical–cortical framework for a system disorder. Neuroscience and Biobehavioral Reviews 2011, in press
9. Christine Wiebking, Moritz de Greck, Niall W. Duncan, Alexander Heinzl, Claus Tempelmann, **Georg Northoff**. Are emotions associated with activity during rest or interoception? An exploratory fMRI study in healthy subjects. Neuroscience Letters 2011, in press
10. Y. Fan, C. Wonneberger, B. Enzi, M. de Greck, C. Ulrich, C. Tempelmann, B. Bogerts, S. Doering and **G. Northoff**. The narcissistic self and its psychological and neural correlates: an exploratory fMRI study. Psychological Medicine 2010, doi:10.1017/S003329171000228X
11. **Georg Northoff**, PengMin Qin. How can the brain's resting state activity generate hallucinations? A 'resting state hypothesis' of auditory verbal hallucinations. Schizophrenia Research, in press
12. Moritz de Greck, Lisa Scheidt, Annette F. Bölter, Jörg Frommer, Cornelia Ulrich, Eva Stockum, Björn Enzi, Claus Tempelmann, Thilo Hoffmann, **Georg Northoff**. Multimodal psychodynamic psychotherapy induces normalization of reward related activity in somatoform disorder. The World Journal of Biological Psychiatry, 2010, 00: 1-13
13. Yan Fan, Niall W. Duncan, Moritz de Greck, **Georg Northoff**. Is there a core neural network in empathy? An fMRI based quantitative meta-analysis. Neuroscience and Biobehavioural Review, 2011 Jan; 35(3):903-11
14. Pengmin Qin, Yijun Liu, Jinfu Shi, Yuzhi Wang, Niall W. Duncan, Qiyong Gong, Xuchu Weng, **Georg Northoff**. Dissociation between anterior and posterior cortical regions during self-specificity and familiarity: A combined fMRI–meta-analytic study. Human Brain Mapping. In press
15. **Georg Northoff**. Sind wir nichts als Gehirn? Das Selbst und sein Gehirn. Existenzanalyse, Feb. 2010, pp 27-31
16. **Georg Northoff**, Pengmin Qin, Todd E. Feinberg. Brain imaging of the self – Conceptual, anatomical and methodological issues. Consciousness and Cognition. In press. doi:10.1016/j.concog.2010.09.011
17. **Georg Northoff**, Niall W. Duncan, Dave J. Hayes. The brain and its resting state activity - Experimental and methodological implications. Progress in Neurobiology, 2010,92: 593-600

18. **Georg Northoff**, Christine Wiebking, Todd Feinberg, and Jaak Panksepp. The 'Resting-state Hypothesis' of Major Depressive Disorder - A Translational Subcortical-Cortical Framework for a System Disorder. Neuroscience & Biobehavioral Reviews. In press
19. Niall W. Duncan, Bjorn Enzi, Christine Wiebking, **Georg Northoff**. Involvement of glutamate in rest-stimulus interaction between perigenual and supragenual anterior cingulate cortex: A combined fMRI-MRS study. Human Brain Mapping, 2010
20. Heinzl A, Schäfer R, Müller HW, Schieffer A, Ingenhag A, **Northoff G**, Franz M, Hautzel H. Differential modulation of valence and arousal in high-alexithymic and low-alexithymic individuals. Neuroreport, 2010 Oct 27;21(15):998-1002
21. Heinzl A, Schäfer R, Müller HW, Schieffer A, Ingenhag A, Eickhoff SB, **Northoff G**, Franz M, Hautzel H. Increased Activation of the Supragenual Anterior Cingulate Cortex during Visual Emotional Processing in Male Subjects with High Degrees of Alexithymia: An Event-Related fMRI Study. Psychother Psychosom, 2010 Aug 20;79(6):363-370.
22. Böker H, **Northoff G**. Die Entkopplung des Selbst in der Depression: Empirische Befunde und neuropsychodynamische Hypothesen. Psyche, Z Psychoanal 64, 2010, 934-976
23. Qin P, Di H, Lui Y, Yu S, Gong Q, Duncan N, Weng X, Laureys S, **Northoff G**. Anterior Cingulate Activity and the Self in Disorders of Consciousness. Human Brain Mapping. In Press
24. Nakao T, Osumi T, Ohira H, Kasuva Y, Shinonda J, Yamada J, **Northoff G**. Medial Prefrontalcortex-dorsal anterior cingulated cortex connectivity during behavior selection without an objective correct answer. Neuroscience Letters. In Press 2010.
25. Zierhut K, Bogerts B, Schott B, Fenker D, Walter M, Albrecht D, Steiner J, Schütze H, **Northoff G**, Düzel E, Schiltz K. The Role of Hippocampus Dysfunction in Deficient Memory Encoding and Positive Symptoms in Schizophrenia. Psychiatry Research: Neuroimaging. In Press 2010
26. Sajonz B, Kahnt T, Marguiles DS, Park SQ, Wittmann A, Stov M, Ströhle A, Heinz A, **Northoff G**, Bermpohl F. Delineating Self-referential Processing from Episodic Memory Retrieval: Common and Dissociable Networks. Neuroimage. In Press 2010
27. de Greck M, Enzi B, Prösch U, Gantman A, Tempelmann C, **Northoff G**. Decreased Neuronal Activity in Reward Circuitry of Pathological Gamblers during Processing of Personal Relevant Stimuli. Human Brain Mapping. In Press 2010
28. Alcaro A, Panksepp J, Witczak J, Hayes DJ, **Northoff G**. Is subcortical-cortical Midline Activity in Depression Mediated by Glutamate and GABA? A Cross-species Translational Approach. Neuroscience and Biobehavioral Reviews. In Press 2010.
29. **Northoff, G.**, Pengmin, Q., Nakao, T. Rest-stimulus Interaction in the Brain: A review. Trends in Neurosciences 33 (6): 277-284, 2010

30. **Northoff G.** Humans, brains, and their environment: marriage between neuroscience and anthropology? Neuron. 65(6):748-51, 2010
31. Richter A, Grimm S, **Northoff G.** Lorazepam modulates orbitofrontal signal changes during emotional processing in catatonia. Hum Psychopharmacol. Jan;25(1):55-62, 2010
32. Feinberg TE, Venneri A, Simone AM, Yan F, **Northoff G.** The Neuroanatomy of Asomatognosia and Somatoparaphrenia. J Neurol Neurosurg Psychiatry. 81: 276-281, 2010
33. Wiebking C, Bauer A, deGreck M, Duncan N, Templemann C, **Northoff G.** Abnormal Body Perception and Neural Activity in the Insula in Depression: An fMRI Study of the Depressed "Material Me". The World Journal of Biological Psychiatry; Early Online Feb 2010, 1-12
34. Richter A, Grimm S, **Northoff G.** Lorazepam modulates orbitofrontal signal changes during emotional processing in catatonia. Hum Psychopharmacol. Jan;25(1):55-62, 2010
35. Enzi B, de Greck M, Prösch U, Tempelmann C, **Northoff G.** Is our self nothing but reward? Neuronal overlap and distinction between reward and personal relevance and its relation to human personality. PLoS One. Dec 24;4(12):e8429, 2009.
36. **Northoff G.** What are the subjective processes in our brain? Empirical and ethical implications of a relational concept of the brain. Am J Bioeth. Sep;9(9):27-8, 2009.
37. Han S, **Northoff G.** Understanding the self: a cultural neuroscience approach. Prog Brain Res 178:203-12, 2009
38. Greck, de M., Supady, A., Paus, R., Moritz, D., Proesch, U., Bruer, U., Moerth, S., Tempelmann, C., Bogerts, B., Förschner, L., Ploetz, K., **Northoff, G.**, The insufficient self and addiction. Decreased neural activity in reward circuitry during self-relatedness in abstinent alcoholics. Human Brain Mapping 30(5):1691-704, 2009
39. Grimm, S., Boeker, H., Beck, J., Bermpohl, F., Heinzl, A., Boesiger, P., **Northoff, G.**, Abnormal functional deactivation in the default-mode network in depression. Neuropsychopharmacology 34: 932-943, 2009
40. Panksepp, J., **Northoff G.**, The trans-species core SELF: The emergence of active cultural and neuro-ecological agents through self-related processing within subcortical-cortical midline networks. Consciousness and Cognition 18(1):193-215, 2009
41. Grimm, S., Boesiger, P., Beck, J., Schuepbach, D., Bermpohl, F., Walter, M., Ernst, J., Hell, D., Boeker, H., **Northoff, G.**, Altered Negative BOLD Responses in the Default-Mode Network during Emotion Processing in Depressed Subjects. Neuropsychopharmacology 34(4):932-843, 2009
42. **Northoff, G.**, Depression and the Brain's Input: Intrinsic Brain Activity and Difference-based Coding. Commentary in Neuropsychanalysis, 11(1):85-86, 2009

43. Grimm, S., Ernst, J., Boesiger, P., Schuepbach, D., Hell, D., Boeker, H., **Northoff, G.**, Increased Self-Focus in Major Depressive Disorder Is Related to Neural Abnormalities in Subcortical-Cortical Midline Structures. Human Brain Mapping 30(8):2617-27, 2009
44. Heinzel A., Grimm S., Beck J., Schuepbach D., Hell D., Boesiger P., Boeker H., **Northoff, G.**, Segregated neural representation of psychological and somatic-vegetative symptoms in severe major depression. Neuroscience Letters 456(2):49-53, 2009
45. Heinzel, A., **Northoff, G.**, Kripke's modal argument is challenged by his implausible conception of introspection. Journal of Philosophy 22: 13-31, 2009
46. Bermpohl, F., Walter, M., Sajonz, B., Lücke, C., Hägele, C., Sterzer, P., Adli, M., Heinz, A., **Northoff, G.**, Attentional modulation of emotional stimulus processing in patients with major depression – Alterations in prefrontal cortical regions. Neuroscience Letters 463(2):108-13, 2009
47. Heinzel, A., **Northoff, G.**, Emotional feeling and the orbitomedial prefrontal cortex: Theoretical and empirical considerations. Philosophical Psychology, 22(4):443-64, 2009
48. Feinberg, T., Venneri, A., Simone, A., Fan, Y., **Northoff, G.**, The neuroanatomy of asomatognosia and somatoparaphrenia. J Neurol Neurosurg Psychiatry. Published Online First: 24 September 2009
49. **Northoff, G.**, What Are the Subjective Processes in Our Brain? Empirical and Ethical Implications of a Relational Concept of the Brain. The American Journal of Bioethics. 9(9):27-28, 2009
50. **Northoff, G.**, What is neuroethics? Empirical and theoretical neuroethics. Current Opinion in Psychiatry. 22(6): 565-69, 2009
51. Greck, de M., Supady, A., Thiemann, R., Tempelmann, C., Bogerts, B., Forschner, L., Ploetz, K., **Northoff, G.**, Decreased neural activity in reward circuitry during personal reference in abstinent alcoholics - An fMRI study. Human Brain Mapping. 30(5): 1691-1704, 2009
52. **Northoff, G.**, Panksepp, J., The Trans-Species Epigenetic Concept of Self: The Emergence of Active Cultural and Neuro-Ecological Agents through Self-Related Processing Within Subcortical-Cortical Midline Networks. Consciousness and Cognition. 18:193-215, 2009
53. Walter, M., Matthiae, C., Wiebking, C., Rotte, M., Bogerts, B., Heinze, H.J., **Northoff, G.**, Preceding attention and the dorsomedial prefrontal cortex: Process specificity versus domain dependence. Human Brain Mapping. 30(1):312-26, 2009
54. Walter, M., Henning, A., Grimm, S., Schulte, R.F., Beck, J., Dydak, U., Schnepf, B., Boeker, H., Boesiger, P., **Georg Northoff**, The relationship between aberrant neuronal activation patterns in the pregenual anterior cingulate, altered glutamatergic metabolism and anhedonia in Major Depression. Archives of General Psychiatry. 66(5):478-86, 2009

55. Grimm, S., Ernst, J., Boesiger, P., Schuepbach, D., Hell, Daniel., Boeker, Heinz., **Northoff, G.**, Increased self-focus in major depressive disorder is related to neural abnormalities in subcortical-cortical midline structures. Human Brain Mapping. 30(8):2617-27, 2009
56. **Northoff, G.**, Schneider, F., Rotte, M., Dahlem, Y., Bogerts, B., Tempelmann, C., Heinze, H.J., Walter, M., Panksepp, J., Differential parametric modulation of self-relatedness and emotions in different brain regions. Human Brain Mapping. 30(2): 369-82, 2009
57. Bermpohl, F., Pascual-Leone, A., Amedi, A., Merabet, L., Fregni, F., Wrase, J., Schlagenhaut, F., Bauer, M., Heinz, A., Schlaug, G., **Northoff, G.**, Novelty seeking modulates medial prefrontal activity during the anticipation of emotional stimuli. Psychiatry Research: Neuroimaging 164:81-85, 2008
58. Schneider, F., Bermpohl, F., Heinzel, A., Rotte, M., Walter, M., Tempelmann, C., Wiebking, C., Dobrowolny, H., Jochen Heinze, H., **Northoff, G.**, The resting brain and our Self: Self-relatedness modulates resting state neural activity in cortical midline structures Neuroscience 157(1):120-31, 2008
59. Han S., and **Northoff, G.**, Culture-sensitive neural substrates of human cognition: a transcultural neuroimaging approach. Nat Rev Neurosci. 9(8):646-54, 2008
60. **Northoff, G.**, Neuropsychiatry – an old discipline in a new gestalt bridging Biological Psychiatry, Neuropsychology, and Cognitive Neurology. European Archives of Psychiatry and Clinical Neuroscience. 258(4):226-38, 2008
61. **Northoff, G.**, Panksepp, J., The Trans –Species Ecological Concept of Self: Self-Related Processing and the Subcortical-Cortical Midline System. Trends in Cognitive Sciences. 12(7):259-64, 2008
62. Bermpohl, F., Fregni, P., Schlaug, G., Pascual-Leone, A., **Northoff, G.**, Novelty seeking modulates medial prefrontal activity during the anticipation of emotional stimuli. Psychiatry Research: Neuroimaging. 164 (1):81-85, 2008
63. **Northoff, G.**, Are our emotional feelings rational? A neurophilosophical investigation of the James-Lange theory. Phenomenology and the Cognitive Sciences. 7(4):501-527, 2008
64. Heinzel, A., Steinke, R., Poeppel, T., Grosser, O., Bogerts, B., Otto, H., **Northoff, G.**, S-Ketamine-GABA interaction in humans: An exploratory study with I-123-Iomazenil SPECT. Human Psychopharmacology. 23:549-54, 2008
65. Schneider, F., Bermpohl, F., Heinzel, A., Rotte, Michael., Walter, Martin., Tempelmann, Claus., Wiebking, C., Dobrowolny, H., Jochen Heinze H., **Northoff, G.**, The resting brain and our Self: Self-relatedness modulates resting state neural activity in cortical midline structures. Neuroscience. 157:120-31, 2008
66. Han S., **Northoff G.**, Culture-sensitive neural substrates of human cognition: A transcultural neuroimaging approach. Nature Reviews Neuroscience. 9:646-54, 2008
67. **Northoff, G.**, What kind of neural coding and self does Hurely’s shared circuit model presuppose? Behavioral and Brain Sciences. 31(1):33-43, 2008

68. Grimm, S., Boeker, H., Beck, J., Bermpohl, F., Heinzl, A., Boesiger, P., **Northoff, G.**, Imbalance between right and left dorsolateral prefrontal cortex in major depression is linked to abnormal negative emotional judgment. *Biological Psychiatry*. 63(4):369-76, 2008
69. Greck, de M., Rotte, M., Paus, R., Moritz, D., Thiemann, R., Proesch, U., Bruer, S., Moerth, C., Tempelmann, C., Bogerts, B., **Northoff, G.**, Is our self based on reward? Self-relatedness recruits neural activity in the reward system. *Neuroimage*. 39(4):2066-75, 2008
70. Walter, M., Bermpohl, F., Mouras, H., Schiltz, K., Tempelmann, C., Rotte, M., Heinze, H.J., Bogerts, B., **Northoff, G.**, Distinguishing specific sexual and general emotional effects in fMRI - Subcortical and cortical arousal during erotic picture viewing. *Neuroimage*. 40(4):1482-94, 2008
71. **Northoff, G.**, Is appraisal embodied and embedded? A neurophilosophical investigation of emotions. *J of Consciousness Studies*. 15(5):68-99, 2008
72. Witzel, J., Walter, M., **Northoff, G.**, Neurophilosophical perspectives of Neuroimaging in Forensic Psychiatry - giving way to a paradigm shift? *Behavioral Sciences & The Law*. 26(1):113-30, 2008
73. Walter, M., Stadler Tempelmann, C., Speck, O., **Northoff, G.**, High Resolution Functional Imaging of Subcortical Regions at 7 Tesla. *MAGMA*. 21(1-2):103-111, 2008
74. Walter, M., Witzel, J., Walter, M., Gubka, F., Bogerts, B., **Northoff, G.**, Abnormal neuronal activity during sexual processing in pedophilia. *Biological Psychiatry*. Sep 15;62(6):698-701, 2007
75. Walter, M., **Northoff, G.**, Emotionen, Pädophilie, und funktionelle Bildgebung. *Forensische Psychiatrie und Psychotherapie*. 134-9, 2007
76. **Northoff, G.**, Psychopathology and pathophysiology of the self in depression - a neuropsychiatric hypothesis. *J of Affective Disorders*. 104(1-3):1-14, 2007
77. Northoff, G., Walter, M., Grimm, S., Boeker, H., Beck, J., Bermpohl, F., Heinzl, A., Boesiger, P., Negative functional MRI response correlates with GABA concentration in human ventromedial prefrontal cortex - A combined fMRI-MRS study. *Nature Neuroscience*. 10(12):1515-7, 2007
78. **Northoff, G.**, Bermpohl, F., Schoeneich, F., Boeker, H., How can we bridge between psychoanalysis and neuroscience? First-Person Neuroscience. *Psychotherapy and Psychosomatics*. 76, 141-153, 2007
79. Schiltz, K., Witzel, J., Walter, M., Gubka, M., **Northoff, G.**, Bogerts, B., Altered amygdala volumes in pedophilia. *Archives of General Psychiatry*. 64(6):737-46, 2007
80. **Northoff, G.**, Boeker, H., Bogerts, B., Subjektives Erleben und neuronale Zustände: Benötigen wir eine Erste-Person Neurowissenschaft? *Fortschritte Neurologie Psychiatrie*. 74 (11): 627-633, 2006

81. Heinzl, A., Walter, M., Schneider, F., Rotte, M., Matthiae, C., Tempelmann, C., Heinze, H.J., Bogerts, B., **Northoff, G.**, Self-related processing in the sexual domain: A parametric event-related fMRI study reveals neural activity in ventral cortical midline structures. Social Neuroscience. 1 (1), 41- 51, 2006
82. Bermpohl, F., Pascual-Leone, A., Amedi, A., Merbaet, L., Fregni, N., Gaab, D. Alsop, G., Schlaug G., **Northoff, G.**, Dissociable networks for the expectancy and perception of emotional stimuli in the human brain. Human Brain Mapping. 27(8):662-77, 2006
83. **Northoff, G.**, Grimm, S., Boeker, H., Schmidt, C., Bermpohl, F., Heinzl, A., Hell, D., Boesiger, P., Affective judgment and beneficial decision making: Ventromedial prefrontal cortical activity correlates with performance in the Iowa Gambling Task. Human Brain Mapping. 27(7):572-87, 2006
84. **Northoff, G.**, DeGreck, M., Bermpohl, F., Panksepp, J., Self-referential processing in our brain – a metaanalysis of imaging studies on the self. Neuroimage. 31:440-57, 2006
85. Bermpohl, F., Fregni, F., Boggio, P., Thut, G., **Northoff, G.**, Otachi, P., Rigonatti, S., Marcolin, M., Pascual-Leone, A., Low-frequency TMS in major depression: Acute neuropsychological benefit depends on stimulation site and depression severity. Psychiatry Research. 141.1-13, 2006
86. **Northoff, G.**, Neuroscience of decision making and informed consent: an investigation in neuroethics. J of Medical Ethics. 32(2):70-3, 2006
87. Boeker, H., Kleiser, M., Lehmann, D., Jaenke, L., Bogerts, B., **Northoff, G.**, Executive dysfunction, self and ego-pathology in schizophrenia: An exploratory study of neuropsychology and personality. Comprehensive Psychiatry. 47(1):7-19, 2006
88. **Northoff, G.**, Was ist Neuroethik – eine Disziplin der Zukunft? Nervenarzt. 77(1):5-11, 2006
89. Stoppel, C., Bielau, H., Bogerts, B., **Northoff, G.**, Neurobiologische Grundlagen der Depression. Fortschritte der Neurologie und Psychiatrie. 4(12):696-705, 2006
90. Grimm, S., Boeker, H., Bermpohl, F., Heinzl, A., Boesiger, P., **Northoff, G.**, Segregated neural representation of distinct emotion dimensions in the prefrontal cortex – an fMRI study. Neuroimage. 30:325-40, 2006
91. Bermpohl, F., Pascual-Leone, A., Amedi, A., Merbaet, A., Fregni, L., Gaab, N., Alsop, D., Schlaug, G., **Northoff, G.**, Attentional modulation of emotional stimulus processing – An fMRI study using emotional expectancy. Neuroimage. 30(2):588-60 , 2006
92. **Northoff, G.**, Boeker, H., Principles of neuronal integration and defense mechanisms: Neuropsychoanalytic hypothesis. Neuropsychoanalysis. 145-165, 2006
93. **Northoff, G.**, Heinzl, A., First-Person Neuroscience: A new methodological approach for linking mental and neuronal states. Philos Ethics Humanit Med. 1(1):3-14, 2006

94. **Northoff, G.**, Musholt, K., Is there a middle way between property dualism and materialism? Epistemic-ontological inference and autoepistemic limitation. Philosophical Psychology. 19(5):589-607, 2006
95. Witzel, J., **Northoff, G.**, Dieckmann, K., Bogerts, B., Sexualstraftaeter im Massregelvollzug des Landes Sachsen-Anhalt. Forensische Psychiatrie und Psychotherapie 2:33-50, 2005
96. **Northoff, G.**, Richter, A., Wahl, C., Grimm, S., Boeker, H., Hell, D., Marquar, V., Martin, E., NMDA-hypofunction in posterior cingulate as a model for Schizophrenia: A Ketamine challenge study in fMRI. Schizophrenia Research. 72: 235-248, 2005
97. Boeker, H., **Northoff, G.**, Desymbolisierung und Hemmung in der Depression – ein neuropsychanalytisches Modell. Psyche. 9/10: 964-989, 2005
98. Bermpohl, F., Fregni, F., Boggio, P., Thut, G., **Northoff, G.**, Otachi, P., Rigonatti, S., Marcolin, M., Pascual-Leone, A., Left prefrontal rTMS impairs performance in affective Go/No-Go task. NeuroReport. 16(6), 615-9, 2005
99. **Northoff, G.**: Emotional-cognitive integration, the self, and cortical midline structures. Behavioral and Brain Sciences. 28:211-2, 2005
100. Heinzl, A., Bermpohl, F., Pfennig, A., Niese, R., Pascual-Leone, A., Schlaug, G., **Northoff G.**, How do we modulate our emotions? Parametric fMRI reveals cortical midline structures as regions specifically involved in the processing of emotional valence. Cognitive Brain Research. 25(1):348-58, 2005
101. Bark, R., Dieckmann, S., Boecker, H., Bogerts, B., **Northoff, G.**, Deficit in decision making in catatonic schizophrenia:: An exploratory study. Psychiatry Research. 134, 2, 131-141, 2005
102. Danos, P., Schmidt, A., Baumann, B., Bernstein, H., **Northoff, G.**, Stauch, R., Krell, D., Bogerts, B., Volume and neuron number of the mediodorsal thalamic nucleus in schizophrenia: A replication study. Psychiatry Research. 140(3):281-9, 2005
103. **Northoff, G.**, Is emotion regulation self-regulation? Trends in Cognitive Sciences. 9(9), 408-9, 2005
104. **Northoff, G.**, Bermpohl, F., Cortical midline structures and processing of the self. Trends in Cognitive Science. 8(3):102-7, 2004
105. **Northoff, G.**, Why do we need a philosophy of the brain? Trends in Cognitive Sciences. 8(11):484-5, 2004
106. **Northoff, G.**, Heinzl, A., Bermpohl, F., Pfennig, A., Thut, G., Pascual-Leone, A., Schlaug, G., Reciprocal modulation' of neural activity in medial and lateral prefrontal cortex during emotional and non-emotional judgement: An fMRI study. Human Brain Mapping. 21:202-212, 2004

107. **Northoff G.**, What is Neurophilosophy? A methodological account. Jof General Philosophy of Science. 35(1):91-127, 2004
108. **Northoff G.**, Am I my brain? Personal identity and brain identity – a combined philosophical and psychological investigation in brain implants. Philosophia Naturalis. 41, 2, 257-282, 2004
109. Witzel, J., **Northoff, G.**, Köhne, R., Resozialisierung von Massregelvollzugspatienten – Ergebnisse der Unterbringung im Offenen Massregelvollzug. Forensische Psychiatrie und Psychotherapie. 11(3): 53-69, 2004
110. Böker, H., **Northoff, G.**, von Schmeling, C., Lenz, C., Eppel, A., Lempa, G., Construing the unspeakable – A constructivist approach to Catatonia by means of modified Landfield – Categories. Int. J. Methods Psychiatric Research, 2004
111. Böker, H., Northoff, G., Himmighoffen, H., Walesch, K., Nikisch, G., Schoeneich, F., Hell, D., Quantitative measurements of subjective experience by means of the repertory grid technique: Self image and social perception of patients with affective and schizoaffective disorders. Personality Disorders, 2004
112. **Northoff, G.**, Baumgart, F., Richter, A., Tempelmann, C., Danos, P., Leschinger, A., Kaulisch, T., Bargel, B., Witzel, T., Hinrichs, H., Scheich, H., Bogerts, B., Alterations in orbitofrontal spatiotemporal activation pattern in catatonia during negative emotional stimulation: An fMRI study. Schizophrenia Bulletin. 30(2):405-27, 2004
113. Thut, G., Pfennig, A., Theoret, H., Ives, J., Kaufman, F., **Northoff, G.**, Pascual-Leone, A., Dissociation between alpha frequency and evoked potentials in visual cortex: A TMS-EEG study. Neuroimage. 18:334-347, 2003
114. Thut, G., **Northoff, G.**, Ives, J.R., Kamitani, Y., Pfennig, A., Kampmann, F., Schomer, D.L., Pascual-Leone, A., Effects of single-pulse TMS on functional brain activity: A combined event-related TMS and Evoked Potential study. Electroencephalography and Clinical Neurophysiology. 114(11):2071-80, 2003
115. **Northoff, G.**, Emotional qualia and ventromedial prefrontal cortex: A “neurophenomenological” hypothesis. Jof Consciousness Studies. 10(8):46-72, 2003
116. **Northoff, G.**, Böker, H., Richter, A., Tempelmann, C., Bogerts, B., Heinze, H., Emotional-behavioral disturbances in catatonia: A combined study of psychological self-evaluation and FMRI. Neuropsychanalysis. 3:151-67, 2003
117. **Northoff, G.**, What catatonia can tell us about top-down modulation – a neuropsychiatric hypothesis. Behavioral and Brain Sciences. 25:555-590, 2002
118. **Northoff, G.**: Catatonia and Neuroleptic Malignant Syndrome: Variants of the same disorder: A unifying pathophysiological model. Jof Neural Transmission. 109(12):1453-69, 2002

119. **Northoff, G.**, Neurophysiology, Neuropsychiatry and Neurophilosophy of Catatonia. Behavioral and Brain Sciences. 25(5):592-599, 2002
120. Johnson, J.D., Nielsen, P., Luhmann, H.J., **Northoff, G.**, Koetter, R., Multi-level network modelling of cortical dynamics built on the genesis environment. Neurocomputing. 44 (6):863-8, 2002
121. **Northoff, G.**, Katatonie zwischen Schizophrenie und Depression – Psychopathologie und Pathophysiologie. Nervenheilkunde. 21:414-420, 2002
122. **Northoff, G.**, Baumgart, F., Richter, A., Tempelmann, C., Danos, P., Leschinger, A., Kaulisch, T., Bargel, B., Witzel, T., Hinrichs, H., Bogerts, B., Scheich, H., Heinze, H.J., Differential effects of lorazepam on spatiotemporal activation pattern in negative and positive emotion: A combined FRI/MEG study. J of Cognitive Neuroscience. 14(4):348-370, 2002
123. Ulrich, S., **Northoff, G.**, Wurthmann, C., Partscht, G., Pester, U., Herscu, H., Meyer, FP., Serum levels of amitryptiline and therapeutic effect in non-delusional moderately to severely depressed in-patients: a therapeutic window relationship. Pharmacopsychiatry, 34:33-40, 2001
124. **Northoff, G.**, Brain – Paradox (and Embeddment) – Do we need a philosophy of the brain? Brain and Mind, 2:195-211, 2001
125. **Northoff, G.**, Was ist Neurophilosophie? - Programmatische Charakterisierung eines neuen Ansatzes. Philosophia Naturalis, 4:205-44, 2001
126. **Northoff, G.**, Heinzl, A., Neurophilosophie – eine begriffliche und methodische Charakterisierung. Schweizer Archiv für Neurologie und Psychiatrie, 152(3):114-122, 2001
127. **Northoff, G.**, Neurophilosophie – ein neuer Ansatz in der Philosophie. Information Philosophie, 1(3): 24-35, 2001
128. **Northoff, G.**, Pfennig, A., Krug, M., Danos, P., Schwarz, A., Bogerts, B., Delayed onset and abnormal gaba-ergic modulation of late movement-related cortical potentials in catatonia. Schizophrenia Research, 44: 193-211, 2000
129. **Northoff G.**, Steinke, R., Nagel, D., Czcerwenka, C., Kropf, S., Danos, P., Otto, H., Bogerts, B., Right parietal cortical dysfunction in akinetic catatonia: A combined study of neuropsychology and regional cerebral blood flow. Psychological Medicine, 30: 583-96, 2000
130. Böker, H., Budischewski, K., Eppel, A., Härtling, F., Rinnert, H., Schmeling, C. V., Will, H., Schoeneich, F., **Northoff, G.**, Personality and object relations in patients with affective disorders: Idiographic research by means of the repertory grid technique. J. Affect. Disorders, 60: 53-9, 2000
131. Gruber, O., **Northoff, G.**, Pflug, B., Wirkungen von Aktivierungsaufgaben bei akuter neuroleptika-induzierter Akathisie. Nervenarzt, 71: 30-7, 2000

132. **Northoff G.**, Baumgart, F., Richter, A., Tempelmann, C., Danos, P., Leschinger, A., Kaulisch, T., Bargel, B., Witzel, T., Hinrichs, H., Bogerts, B., Scheich, H., Heinze, H.J., Different spatiotemporal prefrontal activation pattern in negative and positive emotions: A combined FMRI/MEG study. Cerebral Cortex, 10(1):93-107, 2000
101. **Northoff, G.**, Brain imaging in catatonia: Current findings and a pathophysiological model. CNS Spectrum, 5(7): 34-48, 2000
102. **Northoff, G.**, Are "Q-memories" delusions? A Neurophilosophical Approach. Philosophical Psychology, 13(2): 191-211, 2000
103. Boeker, H., **Northoff, G.**, Lenz, C., Schmeling, C., Meier, M., Hell, D., Die Rekonstruktion der Sprachlosigkeit. Untersuchungen des subjektiven Erlebens ehemals katatoner Patienten mittels modifizierter Landfield Kategorien. Psychiatrische Praxis, 27(8): 389-96, 2000
104. Böker, H., Budischewski, K., Eppel, A., Härtling, F., Rinnert, J., Schmeling, C. V., Will, H., **Northoff, G.**, Schoeneich, F., Selbstkonzept und Objektbeziehungen bei PatientInnen mit affektiven Störungen: Individuumzentrierte Diagnostik mit der Repertory Grid-Technik. PPM. Psychother. Psychosom. Med.Psychologie, 50: 328-334, 2000
105. **Northoff, G.**, Psychomotor phenomena as paradigmatic examples of functional brain organisation and the mind-brain relationship. Philosophy, Psychology, and Psychiatry, 6(3):199-230, 1999
106. **Northoff, G.**, Lins, H., Böker, H., Danos, P., Bogerts, B., Therapeutic efficacy of NMDA-anatagonist amantadine in febrile catatonia. Jof Clin Psychopharmacology, 19(5): 484-6, 1999
107. **Northoff, G.**, Nagel, D., Lerche, J., Bogerts, B.: Impairment in visual-spatial function in catatonia: A neuropsychological investigation. Schizophrenia Research, 37: 133-147, 1999
108. **Northoff, G.**, Steinke, R., Nagel, D., Czcerwenka, C., Kropf, S., Danos, P., Otto, H., Bogerts, B., Decreased density of GABA-A receptors in left sensorimotor cortex in akinetic catatonia: Investigation of in vivo benzodiazepine receptor binding. J of Neurology Neurosurgery, and Psychiatry, 67:445-450, 1999
109. **Northoff, G.**, Koch, A., Wenke, J., Eckert, J., Böker, H., Pflug, B., Bogerts, B., Catatonia as a psychomotor disease: A rating scale and extrapyramidal motor symptoms. Movement Disorders, 14 (3): 404-16, 1999
110. Northoff, G., Sartorius, A., Braus, D., Khoram-Sefat, D., Russ, M., Eckert, J., Leschinger, A., Bogerts, B., Henn, F., Reduced activation and alteration of laterality in two neuroleptic-naive catatonic patients during a motor task in Functional MRI, Psychological Medicine 29: 997-1002, 1999

111. **Northoff, G.**, Waters, H., Mooren, I., Schlüter, U., Diekmann, S., Falkai, P., Bogerts, B., Left fronto-temporal cortical sulcal enlargement in catatonic schizophrenia. A planimetric study. Psychiatry Research Neuroimaging, 91:45-54, 1999
112. **Northoff, G.**: Katatones Dilemma. Nervenarzt, 70: 484-5, 1999
113. **Northoff, G.**, Psychomotor phenomena as paradigmatic examples of functional brain organisation and the mind-brain relationship: A systemic neuropsychiatric account of a neurophilosophical problem. Psychological Journal (Russian) 20(4):66-74, 1999
114. Danos, P., Baumann, B., Bernstein, H.G., Franz, M., Stauch, R., Northoff, G., Krell, D., Falkai, P., Bogerts, B., Schizophrenia and anteroventral thalamic nucleus: selective decrease of parvalbumin-immunoreactive thalamocortical projection neurons. Psychiatry Research Neuroimaging 82:1-10, 1998
115. Gruber, O.W., Northoff, G., Pflug, B., Subjektives Erleben von Patienten mit akuter neuroleptika-induzierter Akathisie. Fortschritte der Neurologie und Psychiatrie, 66: 531-538, 1998
116. Northoff, G., Krill, W., Wenke, J., Gille, B., Eckert, J., Russ, M., Pester, U., Diekmann, S., Pflug, B., Bogerts, B., Major differences in subjective experience of akinesia in catatonic and parkinsonic patients. Cognitive Neuropsychiatry, 3(3):161-178, 1998
117. Northoff, G., Katatonie als ein psychomotorisches Syndrom. Ars medici, 17: 1030-1037, 1997
118. Northoff, G., Eckert, J., Fritze, J., Glutamatergic dysfunction in catatonia? J of Neurology Neurosurgery and Psychiatry, 62:404-407, 1997
119. Dech, H., Northoff, G., Zur Symptomatologie der Akathisie. Fortschritte der Neurologie und Psychiatrie, 65:232-236, 1997
120. Northoff, G., Katatonie: Diagnose, Differentialdiagnose eines psychomotorischen Syndroms. Psycho, 23(3): 186-193, 1997
121. Northoff, G., Psychomotorisches Syndrom Katatonie - Eine extrapyramidal-motorische Erkrankung? TW Neurologie Psychiatrie, 11:360-366, 1997
122. Northoff, G., Was ist Neurophilosophie? TW Neurologie Psychiatrie, 11:208-212, 1997
123. Northoff, G., Demisch, L., Wenke, J., Pflug, B., Plasma homovanillic acid concentration in catatonia. Biological Psychiatry, 39(6):436-443, 1996
124. Northoff, G., Neuroleptic Malignant Syndrome: One entity or two? Biological Psychiatry, 40: 431-2, 1996
125. Northoff, G., Wenke, J., Pflug, B., Increase of serum creatine phosphokinase in 32 acute catatonic patients. Psychological Medicine, 26:547-553, 1996

126. Northoff, G., Krill, W., Wenke, J., Pflug, B., Subjektives Erleben in der Katatonie: Systematische Untersuchung bei 24 katatonen Patienten. Psychiatrische Praxis, 23: 69-73, 1996
127. Northoff, G., Wenke, J., Demisch, L., Eckert, J., Gille, B., Pflug, B., Catatonia: Short-term response to lorazepam and dopaminergic metabolism. Psychopharmacology, 122(2): 182-187, 1995
128. G Northoff, G., Wenke, J., Krill, W., Pflug, B., Ball experiments in 32 acute akinetic catatonic patients: Deficits of internal initiation and generation of movements. Movement Disorders, 10(5): 589-595, 1995
129. Northoff, G., Brain identity in brain tissue transplantation: Preservation or alteration of personal identity? Journal of Medical Ethics, 2: 5-18, 1996
130. Northoff, G., Hirngewebe-transplantationen: Medizinische und ethische Probleme. Ethik in der Medizin, 7: 87-92, 1995
131. Northoff, G., "Ethics of the brain" in brain tissue transplantation: Preservation or alteration of personal identity. Bulletin of the ESPMH, 3-4, 1995
132. Northoff, G., Qualia im Knotenpunkt zwischen Leib und Seele: Argumentatives Dilemma in der gegenwärtigen Diskussion über die Subjektivität mentaler Zustände. Zeitschrift für allgemeine Wissenschaftstheorie, 26: 269-295, 1995
133. Vollmann, J., Northoff, G., Psychoneuroendokrinologie als Knotenpunkt im biopsychosozialen Netzwerk. Praxis der Psychotherapie und Psycho-somatik, 38: 85-93, 1993
134. Vollmann, J., Northoff, G., Biopsychosoziale Beziehungen als Knotenpunkte im Netzwerk. Ein Beitrag zur Theoriediskussion in der Psychosomatik. Der Nervenarzt, 63: 293-299, 1992
135. Northoff, G., Encephalitis lethargica: Eine neuropsychiatrische Er-krankung. Fortschritte der Neurologie und Psychiatrie, 60: 133-139, 1992
136. Northoff, G., Ansätze zu einer Neuropsychiatrie als Überbrückung der Trennung von Neurologie und Psychiatrie. Schweizer Archiv für Neu-urologie und Psychiatrie, 143: 27-38, 1992
137. Northoff, G., Systemtheoretische Betrachtung neuropsychiatrischer Phänomene. Gestalt theory, 13(1): 2-18, 1991

Presentations:

July 23rd – 25th, 2010: How to Conduct Neuropsychanalysis? A Methodological Prescription for Research. Invited talk at the 11th International Neuropsychanalysis Congress, University of Washington, *Seattle/USA*

May 20th – 22nd, 2010: Default Network Activity and the Risk of Self-pathology. Invited talk at

2011/04/29

the 65th Annual Scientific Society of Biological Psychiatry Convention, *New Orleans/USA*

May 5th, 2010: Neuroscience and the Humanities – Can they marry? Invited talk at the European Commission, *Brussels/Belgium*

April 30th – May 2nd, 2010: Neuroscience and the Methods to Research the Self, Invited talk at International Emotion in Therapy and Consultation Congress, *Vienna/Austria*

April 30th – May 2nd, 2010: Neuroscience and Philosophy, A Successful Marriage? Invited talk at International Emotion in Therapy and Consultation Congress, *Vienna/Austria*

March 25th, 2010: Mind, Brain and Soul, Invited talk at Mary's Hospital, State Association and Psychotherapy, *Bregenz/Austria*

March 23rd, 2010: Emotion between Body and Mind, Religion and the Brain, University of Marburg, *Marburg/Germany*

March 22nd, 2010: The Self and its Brain, Invited talk at the University of Rome, *Rome/Italy*

March 17th, 2010: Why there is a Difference between Brain and Self rather than none? , Invited talk at European Community, *Brussels/Belgium*

February 28th - March 3rd, 2010: Subcortical Regions and their Relevance in Emotion Processing in Depression, The Lateral Habenula: It's Role in Behavior and Psychiatric Disorders, The Banbury Center, Cold Spring Harbor Laboratory, *Long Island/USA*

February 24th - 26th, 2010: Psychopathology and pathophysiology of Depression. Invited talk at Vanderbilt Psychiatric Hospital, Department of Psychiatry, Vanderbilt School of Medicine, *Nashville/USA*

February 19th, 2010: Psychopathology and pathophysiology of Depression. Invited talk at Centre de Recherche en Neuropsychologie et Cognition (CERNEC), *Montreal/Canada*

February 10th, 2010: Neuroethics – Empirical and Conceptual Considerations. Invited talk at the McGill University, Neuroethics Interinstitutional Seminar Series, *Montreal/Canada*

January 28th, 2010: Neurophilosophy and Neuroscience: A Successful Marriage? Invited talk at the Carleton University, Andrew Brook Distinguished Lecture Series, *Ottawa/Canada*

January 26th, 2010: Imaging Techniques. Invited talk at the University of Ottawa, Cellular and Molecular Psychiatry, *Ottawa/Canada*

December 5th, 2009: Depression and Functional Brain Imaging. Invited talk at the University of Ottawa's 30th Annual Academic & Research Day, *Ottawa/Canada*

November 25th, 2009: Self and Neurophilosophy. Invited talk at the Body, Perception and Awareness: Motor and Multimodal Perspectives, *Torun/Poland*

November 25th, 2009: The Self and its Body – Our “Material Me”. Invited Keynote Lecture at the Body, Perception and Awareness: Motor and Multimodal Perspectives, *Torun/Poland*

2011/04/29

November 19th, 2009: Is Schizophrenia a Disorder of the Self? Abnormal Attunement & Neural Contextualization: A Neurophenomenal Hypothesis. Invited talk at the Cambridge/Luton international Conference on Mental Health 2009, *Cambridge/England*

November 11th, 2009: The Self and its Brain. Invited lecture, *Berlin/Germany*

November 7th, 2009: Brain Imaging of the Depressed Self. Invited talk at the Open Minds across Canada – Mental Health Symposium 2009, *Ottawa/Canada*

October 9th-11th, 2009: The Intuition of the Self. Invited talk at the Brainstorm and Neurons – Intuition, Creativity and Imagination, Tower of Senses Symposium 2009, *Nürnberg/Germany*

September 27th-30th, 2009: Transcultural differences and empathy - An fMRI study. Invited talk at the 2nd World Congress of Cultural Psychiatry Symposium on Cultural Neuroscience, *Norica/Italy*

September 23rd-26th, 2009: What is Neuropsychanalysis? Mapping of a Novel Discipline. Invited talk at the 20th World Congress on Psychosomatic Medicine, *Torino/Italy*

September 22nd, 2009: The Self: Neuroscience & Neurophilosophy. Invited talk at the International Summer School in Neuroscience and Philosophy of Mind, *Alghero/Italy*

July 3rd-5th, 2009: The Self in Neurobiology and Psychotherapy I. Invited talk at Neurobiology of Psychotherapy - Relations and Complexity, University of *Salzburg/Austria*

July 1st, 2009: Pathophysiology and the Orbitofrontal Context in Catatonia. Invited talk at the 9th World Congress of Biological Psychiatry, *Paris/France*

June 28th, 2009: Increased Self-focus in Major Depressive Disorder is related to Neural Abnormalities in Subcortical-cortical Midline Structures. Invited talk at the 9th World Congress of Biological Psychiatry, *Paris/France*

June 28th, 2009: Altered Negative Bold Responses in the Default-mode network during Emotion Processing in Depressed Subjects. Invited talk at the 9th World Congress of Biological Psychiatry, *Paris/France*

June 27th, 2009: What Neuroscience and Neurophilosophy can learn from Psychoanalysis: Neuropsychanalysis as Paradigmatic Discipline. Invited talk at the 10th Annual International Neuropsychanalysis Congress, *Paris/France*

June 15th-19th, 2009: How can Neuroscience Support Phenomenological and Psychotherapeutic Understanding of Psychosis? Invited Plenary Speaker at the 16th International Symposium for the Psychological Treatments of the Schizophrenias and other Psychoses, *Copenhagen/Denmark*

June 5th, 2009: Is the spirit in the brain? A neuroscientific and neurophilological consideration. Invited talk at the Mind and Brain Symposium “Suggestions for Content Psyche and Brain” 2009, *Bern/Switzerland*

2011/04/29

May 24th, 2009: The Brain and Its Self: The Central Role of Subcortical-Cortical Midline Structures. Invited talk at the Association for Psychological Science 21st Annual Convention, *San Francisco/USA*

May 23rd, 2009: How can we Investigate Higher Phenomena like the Self in Functional Imaging? Empirical Methodology for a First-Person Neuroscience. Invited talk at the Issue in FMRI.ca, University of *Guelph/Canada*

May 14th-16th, 2009: Comparison between Animal Models and Human Imaging in Major Depressive Disorder-Converges and Divergences. Invited talk at the 64th Annual Scientific Convention & Program, Society of Biological Psychiatry *Vancouver/Canada*

April 25th, 2009: Empathy and Informed Consent – a Neuroethical Investigation. STOQ III Project Workshop “Moral Cognition and Behavior Philosophical and Neuroscientific Approach”, Pontifical University of the Holy Cross, *Rome/Italy*

December 12th, 2007: Functional imaging of emotions in depression. Grand Rounds at Dept of Psychiatry at University of *Wuerzburg/Germany*

December 5th, 2007: What is neuroethics? Invited talk at the Dept of Ethics and history of medicine at the University of *Freiburg/Germany*

November 28th, 2007: Functional and neuroethics – relevance for psychiatry? Grand Rounds at Dept of Psychiatry in *Bremen/Germany*

November 23rd, 2007: Can we understand the neuronal mechanisms of subjective experience? Invited Honourary lecture at the Academy of science and art in *Freiburg/Germany*

November 22nd, 2007: What is First Person Neuroscience? Invited talk at the Annual Meeting of the German Association for psychiatry and neurology at *Berlin/Germany*

November 14th, 2007: Neuroanatomy and Neurochemistry of depression. Invited Plenary talk at the Opening of the Institute for the Affective Neuroscience at the University of *Haifa/Israel*

November 3rd, 2007: What is neuropsychanalysis? Mapping of the field. Invited Honourary lecture at the Arnold Pfeffer Institut for Psychoanalysis in *New York/USA*

October 22nd, 2007: Are emotions embedded? A neurophilosophical perspective. Invited talk at the International conference for neurophenomenology at the University of *Florida/USA*

October 10th, 2007: Neurochemical mechanisms in depression. Invited talk at the Grand Rounds of the University of *Zuerich/Switzerland*

October 8th, 2007: What functional imaging can contribute to the clinical diagnosis of depression? Invited plenary talk at the Opening of the Institute for Systemic neuroscience at *Vienna/Austria*

October 6th, 2007: Emotions and the frontal cortex. Invited plenary lectures at the Annual meeting of the Society of Neuropsychology in *Bamberg/Germany*

2011/04/29

July 25th, 2007: Self, brain and qualia – a neurophilosophical perspective. Invited talk at the Annual meeting of the World Association for consciousness at *Budapest/Hungary*

September 20th, 2007: What is neurophilosophy? Honourary Lecture at the University of *Munich/Germany*

July 21st, 2007: Is there abnormal introjection in depression? A neuropsychanalytic perspective. Invited Plenary lecture at the Annual Meeting of the Society of Neuropsychanalysis at *Vienna/Austria*

July 18th, 2007: Neural mechanisms of anhedonia in depression. Invited talk at the Inaugural opening meeting of the Hope for Depression Research Foundation (HDRF) at *Vienna/Austria*

July 6th, 2007: Neuroimaging and neuroethics in forensic psychiatry. Invited talk at the conference for Biology and ethics in forensic psychiatry at University of *Goettingen/Germany*

July 5th, 2007: Emotion and depression in functional imaging. Invited plenary talk at the Meeting of the World Association for Neuropsychology at *Bilbao/Spain*

June 26th, 2007: The self and its cortical midline structures. Invited talk at symposium about “self and the brain” (P.Ruby) at the Association for the scientific study of consciousness (ASSC) at *LasVegas/USA*

June 13th, 2007: Functional imaging in diagnostic and therapy of depression. Grand Rounds at Vivantes Clinic for Psychiatry in *Berlin/Germany*

June 8th, 2007: FMRI in psychiatry –Clinical utility? Invited plenary talk at the Society of Radiology of Germany at *Dessau/Germany*

May 24th, 2007: Do we need a First Person Neuroscience? Invited talk at the Symposium for neuroscience and psychoanalysis (H.Koenigsberg) at the American Psychiatric Association (APA) at *SanDiego/USA*

May 19th, 2007: Neural correlates of anhedonia in depression. Invited talk at the Symposium for emotions and functional imaging (H.Koenigsberg) at the Society for Biological Psychiatry at *SanDiego/USA*

May 8th, 2007: Emotions and their neural correlates in our brain. Invited plenary talk at the Meeting of the European Union for emotions at the University of *Haiifa/Israel*

May 1st -3rd, 2007: Self and the brain/Depression and functional imaging/Emotions and our brain. Invited Honourary Lectures at the University of *Yerevan/Armenia*

April 25th, 2007: Emotional feelings – neuroimaging and neurophilosophy. Invited talk at the Humboldt University, *Berlin/Germany*

March 27th, 2007: The self and its cortical midline structures. Invited plenary talk at the University of *Beijing/China*

2011/04/29

March 13, 2007: Kant and Neuroscience - a neurotranscendental approach. Plenary Talk at Symposium for Neurophilosophy at University of *Ludwigsburg/Germany*

March 16th, 2007: What is consciousness? Invited talk at the Berlin Brandenburg Academy of Science, *Berlin/Germany*

Jan 31st, 2007: Imaging and neuroethics - a future collaboration? Grand Rounds at Dept of Psychiatry at University of *Cologne/Germany*

Jan 27th, 2007: What is neuroethics? Plenary talk at National Academy of ethics, *Bonn/Germany*