



Curriculum Vitae

Prof. Dr. med. Joachim Behr

Facharzt für Psychiatrie und Psychotherapie,
Facharzt für Neurologie

Aktuelle Position

Chefarzt der Hochschulklinik für Psychiatrie, Psychotherapie und Psychosomatik,
Ruppiner Kliniken - Hochschulklinikum der Medizinischen Hochschule Brandenburg;

Univ.-Professor und Lehrstuhlinhaber für Psychiatrie und Psychotherapie
an der Medizinischen Hochschule Brandenburg (MHB)

Arbeitsgruppenleiter Experimentelle Psychiatrie,
Klinik für Psychiatrie und Psychotherapie, Charité

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Hochschulausbildung

1986 – 1993 Humanmedizin, Universität Bonn

Beruflicher Werdegang

1993 – 1994 Klinik für Epileptologie, Universität Bonn

1994 – 1996 Institut für Neurophysiologie, Charité

1997 – 1998 Reed Neurological Research Center, University of California,
Los Angeles (UCLA)

1999 – 2005 Nachwuchsgruppenleiter
Neurowissenschaftliches Forschungszentrum der Charité

2000 – 2002 Klinik für Neurologie, Charité

2002 – 2009 Klinik für Psychiatrie und Psychotherapie, Charité

2007 Anerkennung als Facharzt für Neurologie,
Anerkennung als Facharzt für Nervenheilkunde

2007 – 2009 Oberarzt und Geschäftsführender Oberarzt,
Charité

2009 Anerkennung als Facharzt für Psychiatrie und Psychotherapie

Seit 2009 Chefarzt der Hochschulklinik für Psychiatrie, Psychotherapie und
Psychosomatik, Ruppiner Kliniken – Hochschulklinikum der MHB;
Arbeitsgruppenleiter Experimentelle Psychiatrie, Klinik für Psychiatrie
und Psychotherapie, Charité

2013-2018 Departmentleiter, Ruppiner Kliniken – Hochschulklinikum der MHB

Wissenschaftlicher Werdegang

1994	Promotion, Klinik für Neurologie, Universität Köln
2003	Habilitation, Charité
2011	Zuerkennung einer außerplanmäßigen Professur, Charité
2015	Univ.-Professor und Lehrstuhlinhaber für Psychiatrie und Psychotherapie, MHB und Fakultät für Gesundheitswissenschaften, Brandenburg

Mitgliedschaften und Funktionen in Gesellschaften und Gremien der Hochschulklinik

Society for Neuroscience (SfN)

Deutsche Gesellschaft für Psychiatrie und Psychotherapie, Psychosomatik und Nervenheilkunde (DGPPN)

Stellvertretender Vorsitzender der Prüfungskommission Psychiatrie und Psychotherapie der Landesärztekammer Brandenburg

Vorstandsmitglied der Suchtakademie Berlin- Brandenburg

Fellow der Schering Forschungsgesellschaft

Mitglied der Kommission der MHB

Mitglied der Promotions- und Habilitationskommission der MHB

Kooptiertes Mitglied der Fakultät für Gesundheitswissenschaften Brandenburg

Assoziiertes Mitglied Charité Mental Health

Vertrauensdozent der Friedrich-Ebert-Stiftung

Wissenschaftliche Schwerpunkte

Hippokampale Mechanismen von Lernen und Gedächtnis

Aminerge Modulation hippokampaler Informationsverarbeitung

Pathogene Plastizität im Kontext neuropsychiatrischer Erkrankungen

Klinische Neuropsychiatrie

Publikationen

2021

Buspavanich P., Lech S., Lermer E., Fischer M., Berger M., Vilsmaier T., Kaltofen T., Keckstein S., Mahner S., Behr J., Thaler C.J., Batz F. Well-being during COVID-19 pandemic: A comparison of individuals with minoritized sexual and gender identities and cis-heterosexual individuals. *PLoS One*. 16(6):e0252356, 2021

Bartsch J.C., von Cramon M., Gruber D., Heinemann U., Behr J. Stress-Induced Enhanced Long-Term Potentiation and Reduced Threshold for N-Methyl-D-Aspartate Receptor- and β -Adrenergic Receptor-Mediated Synaptic Plasticity in Rodent Ventral Subiculum. *Front. Mol. Neurosci.* 14:658465, 2021.

2020

Grosser S., Buck N., Braunewell K.H., Gilling K.E., Wozny C., Fidzinski P., Behr J. Loss of Long-Term Potentiation at Hippocampal Output Synapses in Experimental Temporal Lobe Epilepsy. *Front. Mol. Neurosci.* 13:143, 2020.

Meinert P., Behr J., Gauger U., Krebs J., Konrad N., Opitz-Welke A. Psychosis in German prisoners: Comparison of the clinical appearance of psychotic disorder of an imprisoned population with a not detained community group. *Behav. Sci. Law*. 38(5):482-492, 2020.

Koller-Schlaud K., Ströhle A., Bärwolf E., Behr J., Rentzsch J. EEG Frontal Asymmetry and Theta Power in Unipolar and Bipolar Depression. *J. Affect. Disord.* 276:501-510, 2020.

Assmann A., Richter A., Schütze H., Soch J., Barman A., Behnisch G., Knopf L., Raschick M., Schult A., Wüstenberg T., Behr J., Düzel E., Seidenbecher C.I., Schott B.H. Neurocan genome-wide psychiatric risk variant affects explicit memory performance and hippocampal function in healthy humans. *Eur. J. Neurosci.* 2020 Jun 24. doi: 10.1111/ejn.14872. Epub ahead of print.

Bartsch J.C., Behr J. Noncanonical, Dopamine-Dependent Long-Term Potentiation at Hippocampal Output Synapses in a Rodent Model of First-Episode Psychosis. *Front. Mol. Neurosci.* 13:55, 2020.

Koller-Schlaud K., Querbach J., Behr J., Ströhle A., Rentzsch J. Test-Retest Reliability of Frontal and Parietal Alpha Asymmetry during Presentation of Emotional Face Stimuli in Healthy Subjects. *Neuropsychobiology*. 17:1-9, 2020.

Moldavski A., Behr J., Bading H., Bengtson C.P. A novel method using ambient glutamate for the electrophysiological quantification of extrasynaptic NMDA receptor function in acute brain slices. *J. Physiol.* 598(4):633-650, 2020.

2019

Bartsch J.C., Schott B.H., Behr J. Hippocampal Dysfunction in Schizophrenia and Aberrant Hippocampal Synaptic Plasticity in Rodent Model Psychosis: a Selective Review. *Pharmacopsychiatry*. 2019 Aug 1. doi: 10.1055/a-0960-9846. Online ahead of print.

Buspavanich P., Behr J., Stamm T., Schlattmann P., Bschor T., Richter C., Hellweg R., Heinz A., Berger M., Hindinger C., Rentzsch J., de Millas W., Jockers-Scherübl M.C., Bräunig P., Adli M., Ricken R. Treatment response of lithium augmentation in geriatric compared to non-geriatric patients with treatment-resistant depression. *J. Affect Disord.* 15;251:136-140, 2019.

2017

Albrecht A., Müller I., Ardi Z., Çalışkan G., Gruber D., Ivens S., Segal M., **Behr J.**, Heinemann U., Stork O., Richter-Levin G. Neurobiological consequences of juvenile stress: A GABAergic perspective on risk and resilience. *Neurosci Biobehav Rev.* 2017 Mar;74(Pt A):21-43.

Boehme R., Lorenz R.C., Gleich T., Romund L., Pelz P., Golde S., Flemming E., Wold A., Deserno L., **Behr J.**, Raufelder D., Heinz A., Beck A. Reversal learning strategy in adolescence is associated with prefrontal cortex activation. *Eur J Neurosci.* 2017Jan;45(1):129-137.

Nickchen K., Boehme R., Del Mar Amador M., Hälbig T.D., Dehnicke K., Panneck P., **Behr J.**, Prass K., Heinz A., Deserno L., Schlagenhaut F., Priller J. Reversal learning reveals cognitive deficits and altered prediction error encoding in the ventral striatum in Huntington's disease. *Brain Imaging Behav.* 2017 Dec;11(6):1862-1872.

2016

Borgmann M., Holtkamp M., Adli M., **Behr J.** Depression and epilepsy: Two clinical pictures with common causes? *Nervenarzt* 87(7):724-30, 2016.

2015

Boehme R., Deserno L., Gleich T., Katthagen T., Pankow A., **Behr J.**, Buchert R., Roiser J.P., Heinz A., Schlagenhaut F. Aberrant Salience Is Related to Reduced Reinforcement Learning Signals and Elevated Dopamine Synthesis Capacity in Healthy Adults. *J. Neurosci.* 35(28):10103-11, 2015.

Schott B.H., Voss M., Wagner B., Wüstenberg T., Düzel E., **Behr J.** Fronto-limbic novelty processing in acute psychosis: disrupted relationship with memory performance and potential implications for delusions. *Front Behav Neurosci.* 9:144, 2015.

Gruber D., Gilling K.E., Albrecht A., Bartsch C.J., Çalışkan G., Richter-Levin G., Stork O., Heinemann U., **Behr J.** 5-HT receptor-mediated modulation of granule cell inhibition after juvenile stress recovers after a second exposure to adult stress. *Neuroscience*, 293:67-79, 2015.

Grosser S., Hollnagel J.O., Gilling K.E., Bartsch J.C., Heinemann U., **Behr J.** Gating of hippocampal output by β -adrenergic receptor activation in the pilocarpine model of epilepsy. *Neuroscience*, 286:325-37, 2015.

Bartsch J.C., Fidzinski P., Huck J.H., Hörtnagl H., Kovacs R., Liotta A., Priller J., Wozny C., **Behr J.** Enhanced dopamindependent hippocampal plasticity after single MK-801 application. *Neuropsychopharmacology*, 40(4):987-95, 2015.

Çalışkan G., Schulz S.B., Gruber D., **Behr J.**, Heinemann U., Gerevich Z. Corticosterone and corticotropin-releasing factor acutely facilitate gamma oscillations in the hippocampus in vitro. *Eur. J. Neurosci.*, 41(1):31-44, 2015.

2014

Wawra M., Fidzinski P., Heinemann U., Mody I., **Behr J.** 5-HT4-receptors modulate induction of long-term depression but not potentiation at hippocampal output synapses in acute rat brain slices. *PLoS One*, 9(2), 2014.

2013

Roggenhofer E., Fidzinski P., Shor O., **Behr J.** Reduced threshold for induction of LTP by activation of dopamine D1/D5 receptors at hippocampal CA1-subiculum synapses. *PLoS One*, 8(4), 2013.

Gilling K.E., Oltmanns F., and **Behr J.** Impaired maturation of serotonergic function in the dentate gyrus associated with epilepsy. *Neurobiol. Dis.*, 50C:86-95, 2013.

2012

Fidzinski P., Wawra M., Bartsch J., Heinemann U., and **Behr J.** High-frequency stimulation of the temporoammonic pathway induces input-specific long-term potentiation in subicular bursting cells. *Brain Res.*, 1430:1-7, 2012.

Federhen S., Becker A., and **Behr J.** Development of a clinical audit for inpatient care in mental health-care settings. *Pflege-wissenschaft*, 06:349-360, 2012.

Gilling K.E., Oltmanns F., and **Behr J.** Impaired maturation of serotonergic function in the dentate gyrus associated with epilepsy. *Neurobiol. Dis.*, 13;50C:86-95, 2012.

2011

Fidzinski P., Wawra M., Duglaze T., Gloveli T., Heinemann U., and **Behr J.** Low-frequency stimulation of the temporoammonic pathway induces heterosynaptic disinhibition in the subiculum. *Hippocampus*, 21(7):733-43, 2011.

2010

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2009

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Garthe A., **Behr J.**, and Kempermann G. Adult-generated hippocampal neurons allow the flexible use of spatially precise learning strategies. *PLoS ONE* 4(5):e5464, 2009.

2008

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2006

Behr J., Schaefer M., Littmann E., Klingebiel R., and Heinz A. Psychiatric symptoms and cognitive dysfunction caused by Epstein-Barr virus-induced encephalitis. *Eur. Psychiat.*, 21: 521-522, 2006.

Buck N., Cali S., and **Behr J.** Enhancement of long-term potentiation at CA1-subiculum synapses in MK-801-treated rats. *Neurosci. Lett.*, 392(1-2):5-9, 2006.

2005

Knopp A., Kivi A., Wozny C., Heinemann U., and **Behr J.** Cellular and network properties of the subiculum in the pilocarpine-model of temporal lobe epilepsy. *J. Comp. Neurol.*, 483: 476-488, 2005.

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Wozny C., Knopp A., Lehmann T. N., Heinemann U., and **Behr J.** The subiculum: a potential site of ictogenesis in human temporal lobe epilepsy. *Epilepsia*, 46 S5:17-21, 2005.

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2004

Solger J., Wozny C., Manahan-Vaughan D., and **Behr J.** Distinct mechanisms of bidirectional activity-dependent synaptic plasticity in superficial and deep layers of rat entorhinal cortex. *Eur. J. Neurosci.*, 19: 2003-7, 2004.

2003

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Gloveli T., **Behr J.**, Dugladze T., Kokaia Z., Kokaia M., and Heinemann U. Kindling alters entorhinal cortexhippocampal interaction by increased efficacy of presynaptic GABAB autoreceptors in layer III of the entorhinal cortex. *Neurobiol. Dis.*, 3: 203-12, 2003.

2002

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2001

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2000

Gentsch K., Schmitz B., Heinemann U., and **Behr J.** Fenfluramine suppresses low Mg²⁺-induced epileptiform activity in the rat entorhinal cortex. *Epilepsia*, 41(8): 925-928, 2000.

Behr J., Heinemann U., and Mody I. Glutamate receptor activation in the kindled dentate gyrus. *Epilepsia*, 41(S6): 100-103, 2000.

Behr J., Gloveli T., and Heinemann U. Kindling induces a transient suppression of afterhyperpolarization in rat subicular neurons. *Brain Res.*, 867: 259-64, 2000.

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Behr J., Gloveli T., Schmitz D., and Heinemann U. Dopamine depresses polysynaptic inhibition in rat subicular neurons. *Brain Res.*, 861: 160-164, 2000.

1998

Schmitz D., Gloveli T., **Behr J.**, Dugladze T., and Heinemann U. Subthreshold membrane potential oscillations in neurones of deep layers of the entorhinal cortex. *Neuroscience*, 85: 999-1004, 1998.

Behr J., Lyson K. J., and Mody I. Enhanced propagation of epileptiform activity through the kindled dentate gyrus. *J. Neurophysiol.*, 79: 1726-1732, 1998.

Behr J., Gloveli T., and Heinemann U. The perforant path projection from the medial entorhinal cortex layer III to the subiculum in the rat combined hippocampal-entorhinal cortex slice. *Eur. J. Neurosci.*, 10: 1011-1018, 1998.

1997

Gloveli T., Iserhot C., Schmitz D., Castrén E., Behr J., and Heinemann U. Systemic administration of the phencyclidine compound MK-801 affects stimulus-induced field potentials selectively in layer III of rat medial entorhinal cortex. *Neurosci. Lett.* 221: 93-96, 1997.

Behr J., Empson R. M., Schmitz D., Gloveli T., and Heinemann U. Effects of serotonin on synaptic and intrinsic properties of rat subicular neurons in vitro. *Brain Res.* 773: 217-222, 1997.

1996

Behr J. and Heinemann U. Low Mg²⁺-induced epileptiform activity in the subiculum before and after disconnection from rat hippocampal and entorhinal cortex slices. *Neurosci. Lett.* 205: 25-28, 1996.

Behr J. and Heinemann U. Effects of serotonin on different patterns of low Mg²⁺-induced epileptiform activity in the subiculum of rats studied in vitro. *Brain Res.* 737: 331-334, 1996.

Behr J., Gloveli T., Gutiérrez R., and Heinemann U. Spread of low Mg²⁺-induced epileptiform activity from the rat entorhinal cortex to the hippocampus after kindling studied in vitro. *Neurosci. Lett.* 216: 41-44, 1996.

Behr J., Empson R. M., Schmitz D., Gloveli T., and Heinemann U. Electrophysiological properties of rat subicular neurons in vitro. *Neurosci. Lett.* 220: 41-44, 1996.

Buchkapitel

Behr J., Knopp A., Wozny C., and Lehmann T.-N. Network properties of the subiculum in temporal lobe epilepsy. In: *Pan-brain abnormal neural network in epilepsy*. IN: FR Wang, Pan-Brain Abnormal Neural Network in Epilepsy, Research Signpost, pp 15-22, 2009.

Heinemann U., Albrecht D., **Behr J.**, and Gloveli T. Altered interaction between the entorhinal cortex and hippocampus in amygdala kindled rats. In: ME Corcoran and SL Moshe, *Kindling VI*, Springer, New York, Heidelberg, Tokio, pp 91-98, 2005.
