Curriculum Vitae

Personal Data

Title	PD Dr. habil. PhD Dipl.-Biochem.
First name	Nadine
Name	Bernhardt (née Rabe)
Current position	Research Group Leader
Current institution(s)/ site(s), country	Department of Psychiatry and Psychotherapy, Faculty of Medicine, UKD, Technische Universität Dresden (TUD), Germany
Identifiers/ORCID	0000-0002-3188-84310

Qualifications and Career

Stages	Periods and Details	
Degree programme	1999–2004	Biochemistry, Universität Leipzig, Germany
Doctorate	2010	Dissertation, PhD in Neuroscience, Faculty of Medicine, Uppsala University, Sweden
Stages of academic/ professional career	2021–present	Head Section Neurobiology of Psychiatric Disorders, Dept. of Psychiatry and Psychotherapy, TUD, Germany
	2021	Habilitation in Clinical Neurosciences, TUD, Germany
	2017–present	Group Leader Neurobiology of Psychiatric Disorders, TUD, Germany
	2015–2016	Research Assistant Experimental Psychiatry, TUD, Germany
	2012–2015	Postdoctoral Fellow Systems Neuroscience, TUD, Germany
	2010–2011	Research Fellow Dept. of Molecular, Cellular and Developmental Biology, Yale University, New Haven, USA
	2006	Visiting Scientist, Institute of Basic Medical Sciences, University of Oslo, Norwegen
	2005–2010	PhD student, Dept. of Neuroscience, Faculty of Medicine, Uppsala University, Sweden

Engagement in the Research System

since 2022	Member of the National Center of Affective Disorders
since 2022	Member of the DAAD Selection Committees
since 2022	Reviewer for proposals to National and European Research Funders (ERC)
since 2017	Regular Journal Reviewer e.g., Science Advances, Scientific Reports, Frontiers, Pharmacopsychiatry, Int. J. Bipolar Disord., Cells, Electronics
present	Member of Neurowissenschaftliche Gesellschaft (NWG), Federation of European Neuroscience Societies (FENS), Swedish Developmental Biology Organization (SWEDBO), European College of Neuropsychopharmacology (ECNP), Deutsche Gesellschaft für Biologische Psychiatrie (DGBP), International Behavioural and Neural Genetics Society (IBANGS)

Editorial board memberships

present PLOS, Frontiers in Psychiatry

Supervision of Researchers in Early Career Phases

Long-standing contributions to training for national and international undergrad and PhD students, including regular lectures, seminars and lab visit host for the structured PhD programs of the International Graduate School for interdisciplinary life sciences (DIGS-ILS) and International Research Training Group (IRTG) 2773. Since 2017 personal supervision of >15 BSc/MSc (Biologie, Neuroscience and Engineering), >15 MD/PhD students.

Scientific Results

Contributions: [1]Conceptualization/Methodology, [2]Analysis, [3]Investigation, [4]Funding Acquisition, [5]Writing

Category A (10 selected publications out of 41)

Habelt, B., ..., **Bernhardt, N**[1,2,3,4,5]. (2024). Prefrontal electro-physiological biomarkers and mechanism-based drug effects in a rat model of alcohol addiction. Transl. Psychiatry, 14(1), 1–10. doi: 10.1038/s41398-024-03189-z

Ragavan VN, ..., **Bernhardt N**[1,2,3,5], ..., Rodionov RN: A multicentric consortium study demonstrates that dimethylarginine dimethylaminohydrolase 2 is not a dimethylarginine dimethylaminohydrolase. Nat Commun 2023; 14(1):3392. DOI: 10.1038/s41467-023-38467-9

Kozlova AA, ..., **Bernhardt N**[1,2,3,4,5]: Assessment of DDAH1 and DDAH2 contributions to psychiatric disorders via in silico methods. Int J Mol Sci 2022; 23:11902. DOI: 10.3390/ijms231911902

Bernhardt N*[1,2,3,5], Memic F*, ..., Kullander K: Hop mice display synchronous hindlimb locomotion and a ventrally fused lumbar spinal cord caused by a point mutation in Ttc26. ENeuro 2022; 9. DOI: 10.1523/ENEURO.0518-21.2022

Habelt B, ..., Minev IR*, **Bernhardt N***[1,2,3,4,5]: A multimodal neuroprosthetic interface to record, modulate and classify electrophysiological biomarkers relevant to neuropsychiatric disorders. Front Bioeng Biotechnol 2021; 9:770274. DOI: 10.3389/fbioe.2021.770274

Kozlova AA, ..., **Bauer M**, Markov AG, Rodionov RN*, **Bernhardt N***[1,2,3,4,5]: Divergent dimethylarginine dimethylaminohydrolase isoenzyme expression in the central nervous system. Cell Mol Neurobiol 2022; 42:2273-2288. DOI: 10.1007/s10571-021-01101-7

Meyerolbersleben L, Winter C, **Bernhardt N**[1,2,3,4,5]: Dissociation of wanting and liking in the sucrose preference test in dopamine transporter overexpressing rats. Behav Brain Res 2020; 378:112244. DOI: 10.1016/j.bbr.2019.112244

Hadar R, ..., **Bernhardt N**[1,2,3,5], Bikson M, Nitsche MA, Winter C: Prevention of schizophrenia deficits via non-invasive adolescent frontal cortex stimulation in rats. Mol Psychiatry 2020; 25:896-905. DOI: 10.1038/s41380-019-0356-x

Bernhardt N[1,2,3,5], ..., **Smolka MN**: Impulsive decision making in young adult social drinkers and detoxified alcohol-dependent patients: A cross-sectional and longitudinal Study. Alcohol Clin Exp Res 2017; 41:1794-807. DOI: 10.1111/acer.13481

Rabe N[1,2,3,5], ..., Kullander K: Netrin-1-dependent spinal interneuron subtypes are required for the formation of left-right alternating locomotor circuitry. J Neurosci 2009; 29:15642-9. DOI: 10.1523/ JNEUROSCI.5096-09.2009

Science communication (selected)

since 2020	Member of the ALBA-Network to foster diversity, equity and inclusion in brain sciences across the globe
since 2017	Local Task Force “Initiative Transparente Tierversuche” to raise awareness for the societal value of responsible animal research

Academic Distinctions (selected)

2022	Humboldt-Stiftung Frontiers of Science and Technology Symposium Award
2019	Women Habilitation Award, Faculty of Medicine, TUD
2010	Swedish Research Council Postdoc Fellowship
2003	DAAD Research Scholarship