

## Curriculum Vitae

### Personal Data

Title	Prof. Dr. med.
First name	Michael N.
Name	Smolka
Current position	W2 Professor
Current institution(s)/ site(s), country	Department of Psychiatry and Psychotherapy, Faculty of Medicine, UKD, Technische Universität Dresden (TUD), Germany
Identifiers/ORCID	0000-0001-5398-5569

### Qualifications and Career

Stages	Periods and Details	
Degree programme	1984–1992	Medicine, Freie Universität (FU) Berlin, Germany
Doctorate	1996	Dissertation, Psychiatry, „Zur Evaluation der Bech-Rafaelsen Melancholie Skala“, FU Berlin, Germany
Stages of academic/ professional career	2009–present	Professor for Systems Neuroscience, Dept. of Psychiatry and Psychotherapy, Faculty of Medicine, TUD, Germany
	2007–present	Head, Section of Systems Neuroscience, Dept. of Psychiatry and Psychotherapy, TUD, Germany
	2006	Habilitation in Psychiatry and Psychotherapy, University of Heidelberg, Germany
	2001–2006	Senior researcher, attending, Dept. of Addictive Behaviour and Addiction medicine, Central Institute of Mental Health, Mannheim, Germany
	1994–2001	Residency in Psychiatry and Neurology, Research fellow in Psychiatry, FU Berlin, Germany

### Engagement in the Research System

- since 2003 Editorial Board Member: Addiction Biology, Sucht
- since 2003 Reviewer for numerous journals (e.g., Addiction, Addiction Biology, Alcoholism: Clinical Experimental Research, Archives of General Psychiatry, Biological Psychiatry, Journal of Neuroscience, Molecular Psychiatry, Nature Neuroscience) and funding organisation (e.g., DFG, BMBF, MRC, NIH)

### Supervision of Researchers in Early Career Phases

- Long-standing and regular contributions to multidisciplinary training for national and international undergraduate, graduate and postgraduate students and physicians, offering lectures, practical courses and seminars on different topics. Since 2005, personal supervision of 19 PhD and 10 PostDoc students.

## Scientific Results

Contributions:<sup>1</sup>Conceptualization/Methodology, <sup>2</sup>Analysis, <sup>3</sup>Investigation, <sup>4</sup>Funding Acquisition, <sup>5</sup>Writing

### Category A (10 selected publications out of 515)

Bühler M, ..., **Smolka MN**<sup>1,2,4,5</sup>: Nicotine dependence is characterized by disordered reward processing in a network driving motivation. *Biol Psychiatry* 2010; 67(8):745-752. DOI: 10.1016/j.biopsych.2009.10.029

Chen H, ..., **Smolka MN**<sup>1,2,4,5</sup>: Model-based and model-free control predicts alcohol consumption developmental trajectory in young adults: A 3-year prospective study. *Biol Psychiatry* 2021; 89(10):980-989. DOI: 10.1016/j.biopsych.2021.01.009

Gan G, ..., **Mennigen E**, ..., **Smolka MN**<sup>1,2,4,5</sup>: Alcohol-induced impairment of inhibitory control is linked to attenuated brain responses in right fronto-temporal cortex. *Biol Psychiatry* 2014; 76(9):698-707. DOI: 10.1016/j.biopsych.2013.12.017

Gan G, ..., **Smolka MN**<sup>1,2,4,5</sup>: Neural and behavioral correlates of alcohol-induced aggression under provocation. *Neuropsychopharmacol* 2015; 40(13):2886-2896. DOI: 10.1038/npp.2015.141

Kroemer NB, ..., **Smolka MN**<sup>1,2,4,5</sup>: Balancing reward and work: anticipatory brain activation in nacc and vta predict effort differentially. *NeuroImage* 2014; 102(2):510-519. DOI: 10.1016/j.neuroimage.2014.07.060

Kroemer NB, ..., **Smolka MN**<sup>1,2,4,5</sup>: L-dopa reduces model-free control of behavior by attenuating the transfer of value to action. *NeuroImage* 2019; 186:113-125. DOI: 10.1016/j.neuroimage.2018.10.075

Müller KU, **Mennigen E**, ..., **Smolka MN**<sup>1,2,4,5</sup>: Altered reward processing in adolescents with prenatal exposure to maternal cigarette smoking. *JAMA Psychiatry* 2013; 70(8):847-856. DOI: 10.1001/jamapsychiatry.2013.44

Poese S, **Bernhardt N**, Guevara A, Huys QJM, **Smolka MN**<sup>1,2,4,5</sup>: Value-based decision-making battery: a bayesian adaptive approach to assess impulsive and risky behavior. *Behav Res Methods* 2018; 50(1):236-249. DOI: 10.3758/s13428-017-0866-x

**Smolka MN**<sup>1,2,5</sup>, ..., Heinz A: Gene-gene effects on central processing of aversive stimuli. *Mol Psychiatry* 2007; 12(3):307-317. DOI: 10.1038/sj.mp.4001946

**Smolka MN**<sup>1,2,5</sup>, ..., Heinz A: Catechol-o-methyltransferase val(158)met genotype affects processing of emotional stimuli in the amygdala and prefrontal cortex. *J Neurosci* 2005; 25(4):836-842. DOI: 10.1523/jneurosci.1792-04.2005

### Category B

2019 MDR Sachsen, Radio broadcast, „Keine Drogen, kein Spaß? Wie viel Rausch verträgt der Mensch?“

2020 Sächsische Zeitung Dresden, „Wenn das nein nicht funktioniert“

### Science communication (selected)

since 2018 Local Spokesperson, Dresden Collaborative Research Center 265 (TRR 265)

since 2016 Deputy Spokesperson, Collaborative Research Center 940 (SFB 940)

since 2012 Member and Managing Committee, Collaborative Research Center (SFB 940), “Volition and Cognitive Control: Mechanisms, Modulators, Dysfunctions”

### Academic Distinctions

2011	Human Brain Mapping Editor's Choice Award for best paper published in 2010
2009	Mitchell B. Balter Award of Journal of Clinical Psychopharmacology
1996	Medical doctor theses award of the W.E.-Heraeus Foundation

### Other Information

n/a