

PD. Ildikó Rácz PhD



University Hospital Bonn
Clinic for Neurodegenerative Diseases

Scientific Coordinator

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Research Expertise

Her long-standing interest have been in the analysis of physiological and biochemical processes, with particular emphasis on neuroinflammation, underlying pain sensitivity and addiction. In 2016 she joined to the Clinic for Neurodegenerative Diseases and Geriatric Psychiatry and has since then contributed to the research activities of the laboratory as scientific coordinator.

Education / Training

Project Management Certificate (GPM/IPMA), 2016
Habilitation University of Bonn, 2010
PhD Degree Eötvös Lóránd University of Science, 1996
Degree of M.S. in biology Eötvös Lóránd University of Science, 1986
Faculty of Natural Sciences, Eötvös Lóránd University of Science, Budapest, Hungary, 1982 – 86
Faculty of Natural Sciences, Kossuth Lajos University of Sciences, Debrecen, Hungary, 1981

Appointments / Positions Held

2016-present
Private Docent, Scientific Coordinator, Department of Neurodegenerative diseases and Geriatric Psychiatry, University of Bonn, Medical Center
2010 – 2016
Private Docent, Institute of Molecular Psychiatry, University of Bonn, Medical Center
2001-2010
Group leader Senior Scientist, Department of Biological psychiatry, University of Bonn
1998 – 2001
Postdoc Fellow, N-Gene Research Company, Budapest, Hungary

1991 – 1998

Research Fellow, Experimental Research Laboratory, National Institute of Traumatology, Budapest, Hungary
1986 – 1991

Research Fellow, Department of Biology, Alkaloida Chemical Factory, Tiszavasvári, Hungary

Honors / Awards

2013 - Present
Associate Editor Frontiers in Molecular Neuroscience
2008 - Present
Associate Editor Journal of Addiction and Neuronal Regeneration Research
2015 - Present
Reviewer for the Italian Ministry of Health
2017 - Present
Reviewer for the Irish Research Council,
2020 - Present
Reviewer for "la Caixa" Banking Foundation – Health Research Program

Most Relevant Publications

1. Bilkei-Gorzo A, Albayram O, Draffehn A, Michel K, Piyanova A, Oppenheimer H, Dvir-Ginzberg M, **Rácz I**, Ulas T, Imbeault S, Bab I, Schultze JL, Zimmer A. A chronic low dose of Δ^9 -tetrahydrocannabinol (THC) restores cognitive function in old mice. Nat Med. 2017 May 8. doi: 10.1038/nm.4311.
2. Eden M, Meder B, Völkers M, Poomvanicha M, Domes K, Branchereau M, Marck P, Will R, Bernt A, Rangrez A, Busch M; German Mouse Clinic Consortium. **Rácz I**, Hrabě de Angelis M, Heymes C, Rottbauer W, Most P, Hofmann F, Frey N. Myoscape controls cardiac calcium cycling and contractility via regulation of L-type calcium channel surface expression. Nat Commun. 2016 May 26;7:11835
3. de Angelis MH, **Rácz I**, Gailus-Durner V, Mallon AM, Brown SD.. Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. Nat Genet. 2015 Jul 27.