

Josef Priller

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Department of Neuropsychiatry
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Curriculum vitae

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| since 2015 | Full Professor (W3) and Chair, Department of Neuropsychiatry, Charité |
| since 2013 | Principal Investigator, Berlin Institute of Health (BIH) |
| since 2011 | Vice Chair, Department of Psychiatry and Psychotherapy, CCM |
| since 2010 | Director, Department of Neuropsychiatry, Charité |
| 2010 - 2015 | Speaker (with M. Prinz), DFG Research Group 1336 "From monocytes to brain macrophages: conditions influencing the fate of brain macrophages" |
| 2009 | Medical board qualification for Psychiatry and Psychotherapy since |
| 2008 | Professor (W2, with tenure), Psychiatry, Charité |
| 2008 - 2010 | Member of the Steering Committee, Berlin-Brandenburg Center for Regenerative Therapies |
| since 2006 | Consultant, Department of Psychiatry and Psychotherapy, Charité |
| 2004 - 2007 | Professor (C3), Psychiatry and Head, Laboratory of Molecular Psychiatry, Charité |
| 2004 | Medical board qualification for Neurology |
| 2002 | Habilitation in Experimental Neurology, Humboldt-Universität zu Berlin |
| 2000 - 2004 | Group leader, Department of Experimental Neurology, Charité |
| 1998 - 2004 | Resident in Neurology and in Psychiatry, Charité |
| 1998 | MD thesis, Max Planck Institute of Psychiatry, Martinsried |
| 1988 - 1996 | Studies in Medicine (Universities: Bochum, Munich, Lausanne, Georgetown, Harvard) |

Research fields

My group is active in the fields of Neuropsychiatry and Regenerative Medicine with a particular focus on:

- Adult stem cells
- Gene therapy for neurological and psychiatric disorders
- Neurodegenerative diseases (Huntington's and Alzheimer's disease, frontotemporal dementias)
- Mechanisms of inflammation and neurodegeneration in the CNS
- Neuroprotection
- Serotonergic and dopaminergic systems

Activities in the scientific community, honors, awards

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| since 2015 | Expert, European Research Council |
| since 2011 | Member of the Editorial Boards, Brain Pathology, Cytotherapy, Glia and PLoS One |
| since 2011 | Chair, Neuroscience Committee, International Society for Cellular Therapy (ISCT) |
| since 2011 | Chair, Neuropsychiatry Committee, German Association for Psychiatry, Psychotherapy and Psychosomatics (DGPPN) |
| 2010 | Founding member, Global Young Academy |

2009 - 2010 Coordinator, German-French MD/PhD programme INTER
 2008 “Distinguished Young Scientist”, IAP, World Economic Forum, Tianjin, China
 2007 JSPS Fellowship
 2004/05/07/11 Teaching Awards, International Graduate Program Medical Neurosciences, Charité
 2004 Elected fellow, Junge Akademie, Berlin-Brandenburg Academy of Sciences and
 Leopoldina (German National Academy of Sciences)
 2003 Robert Feulgen Prize, Society for Histochemistry
 2002 - 2010 Appointed member, Scientific Advisory Board, Institut für Mensch, Ethik u.
 Wissenschaft
 2002 EMBO Fellowship
 2001 Novartis Prize for Therapeutic Research
 2000 MSD Stipend Neurology

Selected publications

Goldmann T, Wieghofer P, Jordao MJ, Prutek F, Hagemeyer N, Frenzel K, Amann L, Staszewski O, Kierdorf K, Krueger M, Locatelli G, Hochgerner H, Zeiser R, Eelman S, Geissmann F, Priller J, Rossi FM, Bechmann I, Kerschensteiner M, Linnarsson S, Jung S, Prinz M. Origin, fate and dynamics of macrophages at central nervous system interfaces. *Nat Immunol*. 2016.

Prinz M, Priller J. Microglia and brain macrophages in the molecular age: from origin to neuropsychiatric disease. *Nat Rev Neurosci*. 2014;15(5):300-12.

Fernandez-Klett F, Potas JR, Hilpert D, Blazej K, Radke J, Huck J, Engel O, Stenzel W, Genove G, Priller J. Early loss of pericytes and perivascular stromal cell-induced scar formation after stroke. *J Cereb Blood Flow Metab*. 2013;33(3):428-39.

Prinz M, Priller J, Sisodia SS, Ransohoff RM. Heterogeneity of CNS myeloid cells and their roles in neurodegeneration. *Nat Neurosci*. 2011;14(10):1227-35.

Fernandez-Klett F, Offenhauser N, Dirnagl U, Priller J, Lindauer U. Pericytes in capillaries are contractile in vivo, but arterioles mediate functional hyperemia in the mouse brain. *Proceedings of the National Academy of Sciences of the United States of America*. 2010;107(51):22290-5.

Mildner A, Schmidt H, Nitsche M, Merkler D, Hanisch UK, Mack M, Heikenwalder M, Bruck W, Priller J, Prinz M. Microglia in the adult brain arise from Ly-6ChiCCR2+ monocytes only under defined host conditions. *Nat Neurosci*. 2007;10(12):1544-53.

Priller J, Prinz M, Heikenwalder M, Zeller N, Schwarz P, Heppner FL, Aguzzi A. Early and rapid engraftment of bone marrow-derived microglia in scrapie. *J Neurosci*. 2006;26(45):11753-62.

Luttun A, Tjwa M, Moons L, Wu Y, Angelillo-Scherrer A, Liao F, Nagy JA, Hooper A, Priller J, De Klerck B, Compennolle V, Daci E, Bohlen P, Dewerchin M, Herbert JM, Fava R, Matthys P, Carmeliet G, Collen D, Dvorak HF, Hicklin DJ, Carmeliet P. Revascularization of ischemic tissues by PIGF treatment, and inhibition of tumor angiogenesis, arthritis and atherosclerosis by anti-Flt1. *Nat Med*. 2002;8(8):831-40.

Priller J, Persons DA, Klett FF, Kempermann G, Kreutzberg GW, Dirnagl U. Neogenesis of cerebellar Purkinje neurons from gene-marked bone marrow cells in vivo. *J Cell Biol*. 2001;155(5):733-8.

Priller J, Flugel A, Wehner T, Boentert M, Haas CA, Prinz M, Fernandez-Klett F, Prass K, Bechmann I, de Boer BA, Frotscher M, Kreutzberg GW, Persons DA, Dirnagl U. Targeting gene-modified hematopoietic cells to the central nervous system: use of green fluorescent protein uncovers microglial engraftment. *Nat Med*. 2001;7(12):1356-61.