

Prof. Dr. Otmar D. Wiestler

Chairman and Scientific Member of the Management Board, DKFZ



6.11.1956

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SCIENTIFIC VITA:

- 1975-1981 Medical school, University of Freiburg
- 1982-1984 Residency training in neuropathology, University of Freiburg
- 1984-1987 Postdoctoral fellow, Department of Pathology, University of California, San Diego, USA
- 1987-1989 Residency training in Neuropathology, Institute of Neuropathology, Department of Pathology, University of Zürich, Switzerland
- 1992-2003 Professor of Neuropathology & Head of the Department of Neuropathology, University of Bonn Medical Center
- 1994-2003 Head of the German Brain Tumor Reference Center in Bonn
- 1994-2003 Coordinator of the Collaborative Research Center for Clinical & Molecular Neurobiology University of Bonn (Sonderforschungsbereich 400, DFG/German Research Council)
- 1995-2003 Chairman of the BONFOR research committee, University of Bonn Medical Center
- 1998-1999 President, German Society of Neuropathology and Neuroanatomy
- 2000-2004 Head of the Review Board Theoretical Medicine, German Research Council (Deutsche Forschungsgemeinschaft)
- 2001-2003 Vice-Coordinator of the Transregional Collaborative Research Center Mesial Temporal Lobe Epilepsies (Transregionaler Sonderforschungsbereich TR3, DFG)
- 2001 Election to the German Life Science Academy Leopoldina
- 2002-2003 Chief Scientific Officer, Neuroscience Technology Platform LIFE & BRAIN, University of Bonn Medical Center
- 2002-2003 Chairman of the Board, Competence Network for Stem Cell Research State of North Rhine-Westfalia
- since 2004 Chairman and Scientific Member of the Management Board Deutsches Krebsforschungszentrum (DKFZ), Heidelberg Professor of Neuropathology, University of Heidelberg
- since 2005 Chairman of the Advisory Board, German Cancer Aid (Deutsche Krebshilfe)
- since 2007 Vice-President, Helmholtz Association of German Research Centers

AWARDS

- German Cancer Award (Deutscher Krebspreis) 2004
- Bundesverdienstkreuz 2005

FIELDS OF INTEREST

Molecular Genetics and Molecular Neuropathology of Human Brain Tumors
Clinical Neuropathology of CNS Tumors
Gene Transfer into the CNS
Molecular Neuropathology and Pathogenesis of Focal Human Epilepsies
Neural Stem Cells and Reconstructive Neurobiology
Molecular Genetics and Molecular Pathology of Sporadic and Hereditary Breast Cancer

SELECTED PUBLICATIONS (SINCE 2000)

Weber RG, Hoischen A, Ehrler M, Zipper P, Kaulich K, Blaschke B, Becker AJ, Weber-Mangal S, Jauch A, Radlwimmer B, Schramm J, Wiestler OD, Lichter P, Reifenberger G (2007). Frequent loss of chromosome 9, homozygous CDKN2A/p14(ARF)/CDKN2B deletion and low TSC1 mRNA expression in pleomorphic xanthoastrocytomas. **Oncogene** 26,1088-1097

Hartmann W, Digon-Sontgerath B, Koch A, Waha A, Endl E, Dani I, Denkhaus D, Goodyer CG, Sorensen N, Wiestler OD, Pietsch T (2006). Phosphatidylinositol 3'-kinase / Akt signaling is activated in medulloblastoma cell proliferation and is associated with reduced expression of PTEN. **Clin Cancer Res** 12, 3019-3027

Majores M, Blümcke I, Urbach H, Meroni A, Hans V, Holthausen A, Elger CE, Schramm J, Galli C, Spreafico C, Wiestler OD, Becker AJ (2005). Distinct allelic variants of TSC1 and TSC2 in epilepsy-associated cortical malformations without balloon cells. **J Neuropathol. Exp. Neurol** 64, 629-637

Montesinos-Rongen M, van Roost D, Schaller C, Wiestler OD, Deckert M (2004). Primary diffuse large cell lymphomas of the central nervous system are targeted by aberrant somatic hypermutation. **Blood** 103, 1869-1875

Waha A, Koch A, Meyer-Puttlitz B, Weggen S, Sorensen N, Tonn JC, Albrecht S, Goodyer C, Berthold F, Wiestler OD, Pietsch T (2003). Epigenetic silencing of the HIC-1 tumor suppressor gene in human medulloblastomas. **J Neuropathol Exp Neurol** 62, 1192-1201

Scheffler B, Schmandt T, Schroder W, Steinfarz B, Wellmer J, Seifert G, Hussein L, Karam K, Beck H, Blumcke I, Wiestler OD, Steinhäuser C, Brustle O (2003). Functional network integration of embryonic stem cell-derived astrocytes in hippocampal slice cultures. **Development** 130, 5533-5541

Becker AJ, Urbach H, Scheffler B, Baden T, Normann S, Lahl R, Pannek HW, Tuxhorn I, Elger CE, Schramm J, Wiestler OD, Blumcke I (2002). Focal cortical dysplasia of Taylor's balloon cell type: mutational analysis of the TSC1 gene indicates a pathogenic relationship to tuberous sclerosis. **Ann Neurol** 52, 29-37

Mueller W, Hartmann C, Hoffmann A, Lanksch W, Kiwit J, Tonn J, Veelken J, Schramm J, Weller M, Wiestler OD, Louis DN, von Deimling A (2002). Genetic signature of oligoastrocytomas correlates with tumor location and denotes distinct molecular subsets. **Am J Pathol** 161, 313-319

Blumcke I, Becker AJ, Normann S, Hans V, Riederer BM, Krajewski S, Wiestler OD, Reifenberger G (2001). Distinct expression pattern of microtubule-associated protein-2 in human oligodendrogliomas and glial precursor cells. **J Neuropathol Exp Neurol** 60, 984-993

von Deimling A, Fimmers R, Schmidt MC, Bender B, Fassbender F, Nagel J, Jahnke R, Kaskel P, Duerr EM, Koopmann J, Mainz D, Steinbeck S, Wick W, Platten M, Müller DJ, Przkora R, Waha A, Blumcke B, Wellenreuther R, Meyer-Puttlitz B, Schmidt O, Mollenhauer J, Poustka A, Stangl AP, Lenartz D, von Ammon K, Henson JW, Schramm J, Louis DN, Wiestler OD (2000). Comprehensive alleotype and genetic analysis of 466 human nervous system tumors. **J Neuropathol Exp Neurol** 59, 544-558