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DOB: 03.May.1961

**Scientific vita:**

1980-1987 Studies in human medicine, University of Freiburg

1983-1987 Thesis at the Pharmacological Institute, University of Freiburg; MD

1987-1991 Resident in the Department of Neurology, FU Berlin

1991-1995 Postdoc, Molecular Pharmacology, University of Göttingen

1995-2007 Attending physician, group leader "Molecular neuropharmacology", Department of Neurology, University of Heidelberg

2007 Professor of Pharmacology, University of Heidelberg

**Field of interest:**

Cellular interaction in neuroinflammation and neurodegeneration; gene regulation; molecular mechanisms of cerebral ischemia

**Currently funded projects:**

DFG project on signal transduction in cerebral ischemia (SCHW 416/5-1); NGFN2 project; EU project in FP7; network on age research

**Publications since (10 selected publications since 2000):**

Sallmann S, Jüttler E, Prinz S, Petersen N, Knopf U, Weiser T, **Schwanger M** (2000) Induction of interleukin-6 by depolarization of neurons. J Neurosci 20: 8637-8642.

Herrmann O, Tarabin V, Suzuki S, Attigah N, Coserea I, Schneider A, Vogel J, Prinz S, Schwab S, Monyer H, Brombacher F, **Schwanger M** (2003) Regulation of body temperature and neuroprotection by endogenous interleukin-6 in cerebral ischemia. J Cereb Blood Flow Metab 23: 406-415

Acalovschi D; Wiest T, Hartmann M, Farahmi M, Mansmann U, Auffarth U, Grau AJ, Green FR, Grond-Ginsbach C, **Schwanger M** (2003) Multiple levels of regulation of the IL-6 system in stroke. *Stroke* 34: 1864-1869

Schneider A, Fischer A, Spielvogel D, von Ahsen O, Scheeck S, Gumbel C, Rossner M, Hiemisch H, Herrmann O, Bach A, **Schwanger M** (2004) Restriction-mediated differential display (RMDD) identifies pip92 as a pro-apoptotic gene product induced during focal cerebral ischemia. *J Cereb Blood Flow Metab* 24: 224-236

Bierhaus A, Haselbeck M, Humepert PM, Liliensiek B, Dehmer T, Morcos M, Sayed AAR, Andrassy M, Schiekofer S, Schneider JG, Schulz JB, Heuss D, Neundörfer B, Dierl S, Huber J, Tritschler H, Schmidt AM, **Schwanger M**, Schleicher E, Kasper M, Stern DM, Arnold B, Nawroth PP (2004) Loss of pain perception in diabetes is dependent on a receptor of the immunoglobulin superfamily. *J Clin Invest* 114: 1741-1751

Potrovita I, Zhang W, Burkly L, Hahm K, Lincecum J, Wang MZ, Rossner M, Schneider A, **Schwanger M** (2004) Tumor Necrosis Factor-like Weak Inducer of Apoptosis-induced neurodegeneration. *J Neurosci* 24: 8237-8244.

Zhang W, Potrovita I, Tarabin V, Herrmann O, Weih F, Schneider A, **Schwanger M** (2005) Neuronal activation of NF- $\kappa$ B contributes to cell death in cerebral ischemia. *J Cereb Blood Flow Metab* 25: 30-40

Herrmann O, Baumann B, de Lorenzi R, Muhammad S, Zhang W, Kleesiek J, Malfertheiner M, Köhrmann M, Potrovita I, Maegle I, Beyer C, Burke J.R., Hasan M. T., Bujard H, Wirth T., Pasparakis M., **Schwanger M** (2005) IKK mediates ischemia-induced neuronal death. *Nat Med* 11: 1322-1329

Inta I, Paxian S, Maegle I, Zhang W, Pizzi M, Spano PF, Sarnico I, Muhammad S, Herrmann O, Inta D, Baumann B, Liou HC, Schmid RM, **Schwanger M** (2006) Bim and Noxa are candidates to mediate the deleterious effect of the NF- $\kappa$ B subunit RelA in cerebral ischemia. *J Neurosci* 26:12896-12903

Muhammad S, Barakat W, Stoyanov S, Murikinati S, Yang H, Tracey KJ, Bendszus M, Rossetti G, Nawroth PP, Bierhaus A, **Schwanger M** (2008) The HMGB1 receptor RAGE mediates ischemic brain damage. *J Neurosci*, in press