

Geisslinger, Gerd, Prof. Dr. Dr.

Date of Birth 04.03.1961

Institut für Klinische Pharmakologie
pharmazentrum frankfurt
Goethe-Universität Frankfurt am Main
and
Fraunhofer-Institut für Molekularbiologie und
Angewandte Oekologie IME
Projektgruppe TMP
Theodor-Stern-Kai 7
60590 Frankfurt am Main
Tel.: 069-6301-76 20
E-Mail: geisslinge@em.uni-frankfurt.de

Position Professor C4
Children 2 sons

1) Academic Education

1981 - 1985 Pharmacy at the Friedrich Alexander University Erlangen-Nürnberg. German State Board of Pharmacy.

1986 - 1991 Medicine at the Friedrich Alexander University Erlangen-Nürnberg. Degree: Physician.
1990 PhD in Pharmacology; Institute of Experimental and Clinical Pharmacology and Toxicology, University of Erlangen-Nürnberg

1991 (01-06) Post-Doc at the St. Vincent's Hospital, Department of Internal Medicine/Rheumatology/Clinical Pharmacology (Prof. R. Day), University of New South Wales, Sydney, Australia.

1992 MD in Clinical Pharmacology; Institute of Experimental and Clinical Pharmacology and Toxicology, University of Erlangen-Nürnberg

2) Advanced Professional Degrees

1993 Habilitation in Pharmacology and Toxicology and award of the title "Privatdozent" at the University of Erlangen-Nürnberg (Prof. K. Brune)

1996 Specialist in Clinical Pharmacology (Arzt für Klinische Pharmakologie).

3) Positions Held

1992-1993 Research Assistant at the Institute of Experimental and Clinical Pharmacology and Toxicology, University of Erlangen-Nürnberg.

1993-1998 Group-Leader (C2) at the Institute of Experimental and Clinical Pharmacology and Toxicology, University of Erlangen-Nürnberg

1998 Offer of the Chair of "Pharmacology and Toxicology" at the Ruhr-University Bochum (declined).

Since 1998 Professor (C4) of Clinical Pharmacology and Chairman of the Institute of Clinical Pharmacology at the Johann Wolfgang Goethe University, Frankfurt am Main, Germany.

2003 Offer of the Chair (C4) of "Clinical Pharmacology" at the Friedrich Alexander University Erlangen-Nürnberg (declined).

2003 Cofounder of ZAFES (Center for Drug Research, Development and Safety) at Frankfurt University. Speaker of the Board of Directors of ZAFES.

4) Other Activities

Honors and Awards

1995	Award for Pain Research (German Society for the Study of Pain, DGSS)
1997	Sertürner Award (Sertürner Society)
2001	Leon Goldberg Award in Clinical Pharmacology (American Society of Clinical Pharmacology and Therapeutics, ASCPT)
2003	Honorary Award of the German Pain Society

Other Professional Activities

1990-	Member of the Deutsche Gesellschaft für Experimentelle und Klinische Pharmakologie
1992-	Member of the Deutsche Gesellschaft zum Studium des Schmerzes
1998-	Member of the International Society for the Study of Pain
1999-	Member of the American Society for Clinical Pharmacology and Therapeutics
2000	Member of the Committee "Controlled use of heroin in addicts" (Bundesgesundheitsamt)
2001 -2011	Selection Committee Member of the Alexander von Humboldt Foundation
2001-	Member of the "Stiftungsrat" of the Dr. Robert Pflieger Foundation
2001-2003	Chairman of the Clinical Pharmacology Section of the German Society of Experimental and Clinical Pharmacology and Toxicology
2002-	Committee Member for standard regulatory affairs at the BfArM
2002-	Chairman of the Board of Directors of the Center for Drug Research, Development and Safety at the Johann Wolfgang Goethe University Frankfurt
2004-2007	Member of the German Ethics Committee (Zentrale Ethikkommission) of the Bundesärztekammer
2008-2013	Member of the Scientific Board of the Innovative Medicines Initiative (IMI) of the EU
2012-	"Fachkollegiat" of the DFG
2013-2016	Member of the "Senatskommission" of Clinical Research (DFG)
2012-	Chairman of the Graduate School "Translational Research Innovation Pharma" (TRIP) supported by the Else Kröner Fresenius Stiftung
2012-	Chairman of the LOEWE-Zentrum "Translational Medicine and Pharmacology" and Chairman of the Fraunhofer project group Translational Medicine and Pharmacology (TMP) at the Fraunhofer IME
2017-	Executive Director of the Fraunhofer Institute for Molecular Biology and Applied Ecology (IME)

5) Publications - 10 important, H-index: 71

- 1) Tegeder I, Costigan M, Griffin RS, Abele A, Belfer I, Schmidt H, Ehnert C, Nejjim J, Marian C, Scholz J, Wu T, Allchorne A, Diatchenko L, Binshtock A, Goldman D, Adolph J, Sama S, Atlas SJ, Carlezon WA, Parsegian A, Lötsch J, Fillingim RB, Maixner W, **Geisslinger G**, Max MB, Woolf CJ (2006) GTP-cyclohydrolase, the rate-limiting enzyme in tetrahydrobiopterin biosynthesis, regulates pain sensitivity and persistence. **Nature Med.** 12: 1269-1277.
- 2) Schmidt A, Lötsch J, Freynhagen R, **Geisslinger G** (2010) Ziconotide for treatment of severe chronic pain. **Lancet** 375: 1569-1577.
- 3) Brenneis C, Coste O, Altenrath K, Angioni C, Schmidt H, Schuh CD, Zhang DD, Henke M, Weigert A, Brüne B, Rubin B, Nusing R, Scholich K, **Geisslinger G** (2010) Anti-inflammatory role of microsomal prostaglandin E synthase-1 in a model of neuroinflammation. **J Biol Chem** 286: 2331-2342.
- 4) Grösch S, Schiffmann S, **Geisslinger G** (2012) Chain length-specific properties of ceramides. **Prog Lipid Res** 51: 50-62.
- 5) Schiffmann S, Ferreiros N, Birod K, Eberle M, Schreiber Y, Pfeilschifter W, Ziemann U, Pierre S, Scholich K, Grösch S, **Geisslinger G** (2012) Ceramide synthase 6 plays a critical role in the development of experimental autoimmune encephalomyelitis. **J Immunol** 188: 5723-5733.
- 6) Degousee N, Simpson J, Fazel S, Scholich K, Angoulvant D, Angioni C, Schmidt H, Korotkova M, Stefanski E, Wang XH, Lindsay TF, Ofek E, Pierre S, Butany J, Jakobsson PJ, Keating A, Li RK,

- Nahrendorf M, **Geisslinger G**, Backx PH, Rubin BB (2012) Lack of microsomal prostaglandin E2 synthase-1 in bone marrow-derived myeloid cells impairs left ventricular function and increases mortality after acute myocardial infarction. **Circulation** 125: 2904-2913.
- 7) Freynhagen R, **Geisslinger G**, Schug SA (2013) Opioids for chronic non-cancer pain. **British Med J** 346: f2937.
- 8) Schuh CD, Brenneis C, Zhang DD, Angioni C, Schreiber Y, Ferreiros-Bouzas N, Pierre S, Henke M, Linke B, Nüsing R, Scholich K, **Geisslinger G** (2014) Prostacyclin regulates spinal nociceptive processing through cyclic adenosine monophosphate-induced translocation of glutamate receptors. **Anesthesiology** 120: 447-458.
- 9) Schmitz K, de Bruin N, Bishay P, Männich J, Häussler A, Altmann C, Ferreirós N, Lötsch J, Ultsch A, Parnham MJ, **Geisslinger G**, Tegeder I (2014) R-flurbiprofen attenuates experimental autoimmune encephalomyelitis in mice. **EMBO Mol Med** 6: 1398-1422.
- 10) Sisignano M, Baron R, Scholich K, **Geisslinger G** (2014) Mechanism-based treatment for chemotherapy-induced peripheral neuropathic pain. **Nat Rev Neurol** 10:694-707.