

Biography Eberhart ZRENNER

Dr. Zrenner is Senior Professor of Ophthalmology at the Institute for Ophthalmic Research at the Centre for Ophthalmology of the University of Tuebingen, Germany. His research interests include: retinal physiology and pathophysiology, neuro-ophthalmology, ophthalmic toxicology, retina implants, electrophysiology and other methods of non-invasive function testing, neurodegeneration, ophthalmogenetics and gene therapy. He coordinates 3 EU-Projects. He also is Principal Investigator of several clinical studies and has developed a subretinal active microphotodiode array (MPDAs) to replace degenerated photoreceptors in blind people (Zrenner et al., Proc Biol. Sci. 278:1489-97, 2011 and Stingl, K. et al. Proc. Biol. Sci. 280, 20130077, 2013; Zrenner E. Science Transl. Med. 5: 210, 2013), so far tested in 29 study patients in an international multicenter trial, including Oxford, London and Hong Kong and others (Stingl et al., Vision Research 111: 149, 2015). The new overhauled version Retina Implant Alpha AMS has recently been approved for commercial use as medical device (CE-mark).

He has studied electronic engineering as well as medicine at the Technical University Munich, where he obtained his MD degree in 1972. Subsequently worked within the Max-Planck-Society with Eberhard Dodt for 16 years and received a Fogarty fellowship at the national Eye Institute, NIH, Bethesda, MD (1977 and 1978), studying temporal, spatial and chromatic characteristics of retinal ganglion cells via extracellular recordings in monkey retina with Peter Gouras. After acquiring a PD degree he received an associated professorship at the University Eye Hospital in Munich. He became full professor and chairman at University Eye Hospital in Tuebingen in 1989, now Center for Ophthalmology. There he founded the Institute for Ophthalmic Research and runs a special clinic for hereditary retinal degenerations. He has received numerous grants and awards, two honorary Doctoral Degrees and has published approximately 510 peer reviewed papers (see home page: <http://www.eye-tuebingen.de/zrenner>), cited 19.460 times, with h-Index 68 total and h-Index 40 since 2011 (Source: Google Scholar)