

Short Scientific CV

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Achim Langenbucher studied electrical engineering at the Friedrich-Alexander-University Erlangen-Nuremberg with a focus on digital signal processing and optics and he completed with the diploma degree in 1992. From 1992 to 2005 he worked as a scientist at the department of ophthalmology, Friedrich-Alexander-University Erlangen-Nuremberg with Professor Dr. Dr. h.c. mult G.O.H. Naumann and obtained his Ph.D. degree (Dr. hum. biol.) in 1995 and received his venia legendi (Privatdozent, Assistant Professor) in 2000. In 2005, he started as an associate professor at the Friedrich-Alexander-University Erlangen-Nuremberg and established the division Medical Optics at the Institute of Medical Physics, together with Professor Dr. habil. Dr. med. h.c. mult W. Kalender. Professor Langenbucher was appointed a full professor at the medical faculty of Saarland University in Homburg in 2009. He founded the Institute of Experimental Ophthalmology, which focuses on research in ophthalmology.

His research focuses on the development and optimization of novel optical based diagnostic and therapeutic techniques in ophthalmology, optical simulations, customized optical implants, biometry and IOL power calculation. Beside book chapters and review articles, he published more than 280 original papers in scientific journals with impact factor.