



Professor Joachim K. Krauss is Director and Chairman of the Department of Neurosurgery at Medical School Hannover, Germany, since 2005. He received his MD degree at the Medical Faculty of the University of Freiburg, Germany, for his experimental work in neuropharmacology of the basal ganglia. He trained in neurology, and later in stereotactic and functional neurosurgery, and general neurosurgery with Professors Mundinger and Seeger in Freiburg. Thereafter, he moved to Houston, Texas, to collaborate with Drs Grossman and Jankovic. He went back to Europe to establish functional neurosurgery in Berne, Switzerland, and in Mannheim, Germany. He became Associate Professor at the University of Heidelberg, Germany, and served as Adjunct Associate Professor at Baylor College of Medicine, Houston, Texas.

Dr. Krauss has been President of the German Academy for Neurosurgery from 2018 to 2019. He has also been President of the World Society for Stereotactic and Functional Neurosurgery from 2013 to 2017, and he is Honorary and Past President of the European Society for Stereotactic and Functional Neurosurgery. He is an active member of several international societies, committees and advisory boards. One of his missions is to bridge the gap between Neurosurgery and Neurology why he is also active in the Movement Disorders Society where he served as Chair of the Task Force Neurosurgery and as Co-Chair of the Task Force Deep Brain Stimulation for Dystonia, and where he continues his activities in several task forces and working groups.

He has published more than 500 scientific manuscripts and book chapters, and he has edited four books in the field of functional neurosurgery. He introduced pallidal deep brain stimulation for cervical dystonia in 1997, and spinal cord stimulation for orthostatic tremor in 2002. He received several awards including the Oppenheim prize for his work in dystonia. He runs an active laboratory together with Professor Schwabe dedicated to the study of animal models of movement disorders and behaviour. His current research interests include experimental and clinical studies on the treatment of movement disorders, with a special focus on dystonia, but also psychiatric disorders and other applications of deep brain stimulation. In the past few years he put a particular focus on education and training.