Professor Nikolai Axmacher
Professor of Neuropsychology, Ruhr University Bochum
Co-Director of Center for Intracranial EEG Research, State Key Laboratory of Cognitive Neuroscience and Learning and IDG/McGovern Institute for Brain Research, Beijing Normal University

Professor Nikolai Axmacher studied Philosophy and Medicine in Berlin and Paris. He worked as a Clinician Scientist at the Department of Epileptology at the University of Bonn and as a Junior Research Group leader at the German Centre for Neurodegenerative Diseases in Bonn. Since 2014, he has been a Professor of Neuropsychology at Ruhr University Bochum.

Professor Axmacher studies the neural foundations of memory functions and dysfunctions using cognitive neuroscience methods in humans, with a particular interest in the processing of specific experiences by the brain. He investigates a wide range of memory processes from working to long-term memory and memory consolidation, and is also interested in the influence of stress and trauma on memory. In addition, he studies the neural mechanisms underlying spatial navigation and their impairment in the early stages of Alzheimer's disease. Professor Axmacher uses a combination of functional MRI at 3T and 7T, simultaneous EEG/fMRI and intracranial EEG recordings. His work has been published in more than 140 articles including papers in Science, Nature Neuroscience, Nature Reviews Neuroscience, Trends in Cognitive Sciences, Neuron, Nature Communications, Science Advances etc. These articles were cited more than 13,000 times, resulting in an h-index of 52. He was awarded several prestigious awards, most recently an ERC Consolidator Grant (2M€), and is an elected member of the Memory Disorders Research Society.