



Frank Winkler, MD

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Prof Dr med Frank Winkler is a professor of experimental neuro-oncology and managing senior physician in the Department of Neurology at the University of Heidelberg and the German Cancer Research Center (DKFZ) in Heidelberg, Germany.

Dr Winkler earned his medical degree at Freiburg University. He completed a research fellowship at the Steele Lab at Harvard University in Boston, Massachusetts. Later, specializing in Neurology, he received his assistant professor degree from the Ludwig-Maximilian University in Munich, and became full professor (W3) in Heidelberg in 2012.

His work has been published in Nature, Nature Medicine, Cancer Cell, Science, Neuro-Oncology, Clinical Cancer Research, Neurology, among others. Dr Winkler is involved in >25 phase 1 - 3 clinical trials.

The research group, located in the German Cancer Research Center (DKFZ), is interested in cellular and molecular mechanisms of brain tumor progression, and how established and new therapies interfere with it. There is one focus on primary and another on metastatic brain tumors. By combining state-of-the-art technologies of intravital microscopy with ultramicroscopy and refined molecular analysis tools, including single-cell diagnostics, the ultimate aim is to achieve fundamental progress in our understanding of these challenging diseases, and to explore novel avenues of treatment and prevention. The emerging field of "Cancer Neuroscience" is increasingly an overarching topic of our research. Finally, our goal is to translate paradigmatic discoveries into investigator-initiated trial concepts.