

Dr Igor KHALIN, MD-PHD, has joined the Inserm-UniCaen UMR-S U1237 PhIND, Blood and Brain @ Caen Normandie Institute (BB@C) with a Junior Professor Chair position. Dr KHALIN is a specialist of stroke and nano-medicine.

Dr. Igor Khalin obtained his MD and PhD degrees in Ukraine, where he worked as an Assistant Professor in the Pharmacology Department and as Deputy Dean for International Students at the Medical Faculty. Subsequently, he relocated to Malaysia, where he held the position of Associate Professor and headed the Pharmacology Department at the National Defence University of Malaysia. In 2017, he was awarded the Humboldt Fellowship for experienced researchers and began working as a Research Fellow at the Institute of Stroke and Dementia Research, Ludwig-Maximilian University of Munich, Germany. In 2018, he received the Marie Curie Individual Fellowship, and in 2021, he was granted an Individual Fellowship DFG (German Research Foundation) award. In 2023 he started Junior Professor Chair position at Normandie University, UNICAEN, INSERM UMR-S U1237, Physiopathology and Imaging of Neurological Disorders (PhIND), GIP Cyceron, Institute Blood and Brain @Caen-Normandie (BB@C), Caen, France. His primary research interest lies in understanding how the blood-brain barrier functions in pathological conditions. He aims to overcome the limitations of light microscope resolution by directly tracking the path of ultra-bright nanoparticles *in vivo* (ACSNano, 2020) as they travel from brain capillaries to neurons via microthrombi (Small, 2023). Through this approach, he is exploring the interplay between microthrombi and the neurovascular unit components across the blood-brain barrier after stroke and brain trauma. His goal is to develop novel nano-scale diagnostic and therapeutic strategies. His project is highly interdisciplinary, involving collaboration across pharmacology, nanotechnology, neuroscience, biology, and advanced bio-imaging.

