

# Neural Engineering for Repairing the Spinal Cord



Zin Z. Khaing, Ph D

email: [zink@uw.edu](mailto:zink@uw.edu)

Phone: 206-543-7103

Dr. Khaing is an assistant professor in the Department of Neurological Surgery at the University of Washington in Seattle. Her expertise is in plasticity and regeneration of the central nervous system. Dr. Khaing's work utilizes cutting-edge engineering approaches to alleviate neural degeneration resulting from aging and injury. Her laboratory is developing both diagnostic and therapeutic strategies. Dr. Khaing uses new, non-invasive ultrasound techniques to image spinal cord blood flow in real-time. In addition, Dr. Khaing is studying extracellular matrix molecules and neural immune cells interaction with adult stem cells. Combined, these approaches will help improve patient treatment options and functional outcomes.

Dr. Khaing obtained her PhD in Developmental, Cellular and Molecular Biology from NYU in New York and her post-doctoral work was at UT Austin, where she developed biologically relevant scaffolds to interact with the central nervous system. Her current and past work is supported by national and local support through the University of Washington. Dr. Khaing is passionate about science education and community outreach. She lives with her husband and two children in Shoreline WA.

