

We are a scientific group with interest in neuroimaging, methods development, movement disorders and invasive brain stimulation.

Our group is embedded in the Movement Disorders and Neuromodulation Section at Charité led by Andrea Kühn.

The goal of our research is to analyse and modulate brain networks to improve clinical treatment – predominantly in the movement disorders spectrum.

The primary tools we have used to pursue these goals are structural imaging (MR/CT) and noninvasive connectivity measures derived from functional and diffusion weighted MRI.

Scientific Focus:

As a methodological “backbone” of our work, together with others, we develop an open-source software called Lead-DBS.

Lead-DBS is a toolbox facilitating Deep Brain Stimulation electrode reconstructions and computer simulations based on postoperative MRI & CT imaging.

www.netstim.berlin