

Follow-up proposal: Automated MRI analysis to detect epilepsy-associated cranial lesions

Short abstract

In this follow-up proposal, we would like to seek high performance computing access to meet our objectives that are tied with big data analyses (i.e., UK biobank data (N≈35,000), the German National Cohort - NAKO (N≈35,000)) that include, developing novel brain-based predictive features and their translation into detecting epilepsy, in particular lesions associated with the disease. Finally, we aim at containerizing the development as a computer aided diagnostic tool for improving diagnoses and treatment of epilepsy.