

PROJECT NARRATIVE – PROJECT 2 – PRECLINICAL MODEL FOR ANTIEPILEPTOGENIC THERAPY SCREENING IN POST-TRAUMATIC EPILEPSY

There is currently no therapy that can prevent the development of epilepsy after brain trauma. Here we propose to test the efficacy of novel compounds, and determine their efficacy and tolerability in an animal model of posttraumatic epilepsy. We also aim to identify and validate novel biomarkers that can predict who will develop epilepsy and who may respond to a treatment that can prevent epilepsy, in hope that this may accelerate and optimize future efforts to develop new antiepileptogenic therapies.