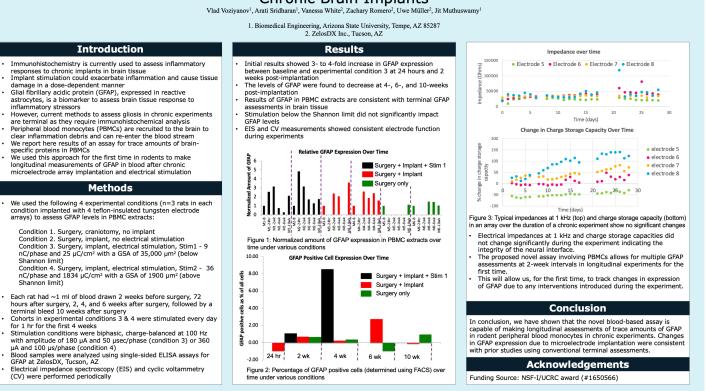
ZelosDx Collaborator Presents Data at a National Conference in June!

Deep Brain Stimulation can diminish diseases symptoms making it an effective therapy for a variety of neurologic disorders, including Parkinson's Disease, epilepsy, chronic pain, and depression. This technique involves the implantation of microelectrodes into specific regions of the brain followed by a continuous delivery of small electrical impulses to modulate the activity in the targeted brain area. The mechanism of action and several side effects are not well understood and remain an active area of investigation. In order to study the inflammatory response of the brain tissue to the electrode insertion and electro-stimulation, a rat model has been used to measure the amount of GFAP in peripheral blood phagocytes by both of the ZelosDx WINDOW INTO THE BRAIN blood tests. While these studies are still ongoing, the results so far have been very promising, showing an increase in this brain biomarker upon electrode implantation by ELISA as well as an increase in GFAP carrying phagocytes. <u>https://neuromodulation.org/Default.aspx?TabID=719</u>

Blood-test To Assess Inflammatory Biomarker GFAP In Peripheral Blood Monocytes Due To Chronic Brain Implants



NEURAL INTERFACES 2021: THE NANS-NIC JOINT MEETING WHERE SCIENCE MEETS INNOVATION

This project is a part of the NSF ASU Brain Center. https://nsfbrain.org/sites/arizona-state-university/#

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