

Faculty Name:

Elisa Konofagou

Faculty Email:

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Lab:

Ultrasound and Elasticity Imaging Laboratory

Project Title:

Characterizing Effect of Focused Ultrasound Mediated Blood Brain Barrier Opening on the Blood Cerebrospinal Fluid Barrier

Description:

The student will investigate the effect of Focused Ultrasound Mediated - Blood Brain Barrier (FUS - BBBO) on the integrity of the choroid plexus. The aim of this project is to investigate potential changes of the blood cerebrospinal fluid barrier (BCSFB) in response to treatment with FUS - BBBO. The student will practice a number of wet lab skills including staining in order to characterize any changes. Images of the BCSFB will be acquired and analyzed. Comparisons will be made between wildtype mice and 3xTg Alzheimer's mouse models, with and without treatment.

Location of Research:

On-Site

of hrs/week:

20

Department/Program:

Biomedical Engineering

Eligibility:

MS

To apply, please contact:

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