

**Faculty Name:**

Barclay Morrison

**Faculty Email:**

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**Lab:**

Neurotrauma & Repair Laboratory

**Project Title:**

Inflammatory and mitochondrial dysfunction after traumatic brain injury (TBI)

**Description:**

Traumatic brain injury (TBI) is associated with inflammation and mitochondrial dysfunction. Our in vitro model of TBI uses organotypic hippocampal slices. The biaxial stretch injury we use may affect both inflammation and mitochondrial dysfunction. We are interested in studying the time course of these outcomes after injury and evaluating treatments to minimize them.

**Location of Research:**

On-Site

**# of hrs/week:**

40

**Department/Program:**

Biomedical Engineering

**Eligibility:**

BS, Second Year, BS, Third Year, BS, Fourth Year

**To apply, please contact:**

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