**TITLE:** Developmental effects of neonatal anesthesia.

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**FACULTY MENTOR DEPARTMENT**

**RESEARCH PROJECT DESCRIPTION**

Human retrospective epidemiological studies along with the laboratory studies strongly support the possibility that general anesthesia affects brain development. We study the mechanisms of these developmental effects of general anesthetics using a variety of techniques from animal behavior to synaptic electrophysiology and molecular biology. The student will have opportunity to conduct the study by learning these techniques.