



The Office of Research for Medical Students

Research Project

Project Title:

Targeting regulatory mechanisms of brain cancer resistance to treatment

Date of request: 08/06/2024

Contact Information

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Research Project

Our laboratory studies mechanisms that regulate the progression and therapy resistance of brain cancers. Current projects are focused on a) investigating the regulation of immune responses against gliomas; and b) identifying novel mechanisms that promote resistance to chemo- and radiotherapy. Projects are basic/translational in nature, with emphasis on cellular and molecular mechanisms in the tumor cells and microenvironment.

Research Location: IHP Rm 4737 / 4119

Tele-research/remote opportunity? No

Will it require student to be physically present in the research location: Yes

Type of research: Translational

Summer project? Yes

Long-term project: Yes

Availability required to work on your project(s):

Expected hours/week will be discussed based on project priorities and student schedule

Prior experience or specific skills required to work on your project(s):

- Applicants must have prior laboratory experience, with preference for: cell biology or immunology.
- Detailed description of prior research activities is required.
- Desirable technical skills include one or more of: RNA and protein analysis (PCR/Western); immunohistochemistry; cell culture; and microscopy.
- Laboratory experience with cultured mammalian cells and/or mouse models of cancer will be a plus.
- Students with experience in cancer bioinformatics can also contact the lab to discuss semi-remote projects that do not involve wet-lab work.