



*The Office of Research for Medical Students*

### Research Project

#### Project Title:

Lysine Acetylation in Heart Repair

**Date of request:** 10/23/2024

#### Contact Information

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### Research Project

Our lab uses transgenic mouse and human iPSC derived-cardiomyocyte models to study cellular and molecular mechanisms underlying myocardial damage and regeneration, cardiomyocyte contraction, calcium signaling, and metabolism. The specific projects that could use the help of medical students are: (1) Effect of Myocardial Infarction on Calcium Signaling Molecules. (2) Antibody Screening for Acetyltransferases in Transgenic Mouse Heart.

**Research Location:** 5305 Weiskotten Hall Addition

**Tele-research/remote opportunity?** No

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

**Type of research:** Basic

**Summer project?** Yes

**Long-term project:** Yes

**Availability required to work on your project(s):**

8h/wk for 10mo, or 30h/wk for 10wk

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

No experience or skill required as training will be provided in lab, but needs to be highly motivated for research!