**Research Opportunity at MUSC**

 **Undergraduate volunteer research opportunity in cardiovascular developmental biology**

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Preferably sophomores interested in research opportunities for the independent study and/or Bachelor’s Essay.

Pleased send resume to sugiy@musc.edu. Please indicate your GPA.

Yukiko Sugi, Ph.D

Associate Professor

Regenerative Medicine and Cell Biology

Cardiovascular Developmental Biology Center, MUSC

e-mail: sugiy@musc.edu

web: <http://regmed.musc.edu/Faculty/SugiY.htm>

**Learn More**

**Current Research Focus for Volunteer Student Researchers**

* Study the role of BMP signaling in cardiovascular development using genetically engineered mouse models.

**Key Words:** Cardiovascular Development, BMP signaling, Endocardial Cushions, Cell Lineage Determination, Congenital Heart Defects (CHDs). Genetically Engineered Mouse Model, Primary Cell Culture.

**Approach:** DNA extraction and PCR (genotyping). RNA extraction and quantitative RT-PCR. Histology. Immunohistochemistry. Amira 3D Reconstruction. Microscopy.

\*\*\* Please visit web: <http://regmed.musc.edu/Faculty/SugiY.htm> and send resume to sugiy@musc.edu . Please include your GPA.