We are looking for motivated and talented UCLA students with passion for research to participate in projects in our hybrid medical engineering lab at UCLA Medical School! We have exciting projects bridging engineering and health, spanning signal processing, embedded programming, and biomedical sensing. Projects include:

1. Computational methods to analyze large-scale neural data in the context of sudden cardiac death,

2. Wearable systems to monitor cardiovascular health.

Students will gain an understanding of technical methods required to integrate heterogeneous biomedical relationships between neural and cardiovascular data. Skills to gain familiarity include: Python, MATLAB, data acquisition/management using Unix/Linux, biomedical instrumentation, prototyping skills, or embedded programming. Students will learn to analyze data to identify relationships supporting conclusions about cardiovascular disease, and/or will be able to prototype and test their equipment in our new prototyping space.

Applications should be emailed to Nil Gurel (**ngurel@mednet.ucla.edu**) and should contain: 1) a short description of research interests and goals, 2) a current transcript, 3) a CV, and 4) a list and description of relevant engineering/computational projects. Please visit my website for more information about the research: https://www.nzgurel.com/