Q3 Research Project Information - Please provide us with the following information on your project. You can submit up to 2 projects in this section.

1) Title of project: Patient-Specific 3D Imaging / Printing: Simulation of Cardiovascular Interventions
   Duration: 1-year
   Time Commitment: Not restricted
   Specific Skills and/or experience required: Strong mathematical / engineering and computer programing skills
   Amount of time you are available for direct student supervision: Not restricted

2) Title of project: Electrical and Physical Properties of Transthoracic Impedance
   Duration: 1-year
   Time Commitment: Not time restricted
   Specific Skills and/or experience required: Biophysics / Bioengineering / Biomechanics
   Amount of time you are available for direct student supervision: Not time restricted

Q4 Brief Description of Project 1 (2-3 sentences):
   cardiovascular abnormalities; precise non-invasive imaging; 3D printing of patient specific CV structures / mimicry / modeling

Q5 Brief Description of Project 2 (2-3 sentences):
   defibrillation; cardiac arrest; ventilation rate; chest compression

Q6 Please indicate which type of research experiences your project is available (check all that apply)
   Research during the academic year (part time)
   Medical Student Summer Research Fellowship Program (Summer -minimum 40 hours per week)

Q7 Please indicate the level of training required, if applicable
   Open to all medical students