

Undergraduate Research in the C3B® Laboratories

Undergraduates wishing to engage in experiential learning (conduct research) in the Bioelectronics, Biosensors and Biochips laboratory must do the following:

Getting Signed Up:

- 1) Meet with Prof. Guiseppi-Elie to discuss your interests and motivations as well as the availability of room and projects to accommodate you in the laboratory.
- 2) Complete the attached BMEN Variable Credit Form and return to Prof. Guiseppi-Elie (guiseppi@tamu.edu) for my approval and submission to the Undergraduate Academic Advisor, Ms. Yovonne Williamson (ywilliamson@tamu.edu).
- 3) Complete the attached excel spreadsheet that requests student particulars that includes: Name: UIN: Email address: Department: Year of Graduation: Mobile Phone# and deliver to Prof. Guiseppi-Elie (guiseppi@tamu.edu) and the C3B Laboratory Manager, Mr. John Aggas (jraggas1@tmau.edu)
- 4) Negotiate and confirm your exact times and dates for your presence for laboratory activities.
- 5) Students MUST complete all required safety and associated laboratory training in advance of the first day of classes.
 - a. Blood Borne Pathogen
 - b. Biosafety Level 2 (BSL-2) training
 - c. Chemical Hazard Communicants Training.
- 6) Students MUST complete all required safety and associated laboratory training in advance of the first day of classes.

Student Projects

Our collective goal is to expose and train you, the undergraduate, in the ways of an independent scholarly approach to evidence-based inquiry. Students may work on individual projects or on teams. Students may pursue their Honors Thesis requirement (two consecutive semesters) or research for variable (0-3) academic credit. The research activities with which you become engaged are generally tightly focused, with clearly defined expectations and deliverables.

- 1) Prepare and deposit a weekly progress report that is deposited on your named folder on the C3B Team Drive
- 2) End of Week 1: Students prepare a one-page comprehensive description of your project.
- 3) End of Week 2: Students prepare a 6-page PPTX graphical description of your project.
- 4) End of Week 5: Deliver a 20-min comprehensive progress report to the C3B Group on the status of their project.
- 5) End of Semester:
 - a. Deliver a 30-min comprehensive final report to the C3B Group on the findings of their project.
 - b. Deliver a written report in the form of a draft manuscript suitable for submission to a journal.