

## SyBBURE Searle Undergraduate Scientific Advisors

The SyBBURE Searle Undergraduate Research Program supports the year-round research of a diverse group of students and provides a culture of creativity, innovation, and teamwork that serves to incubate the minds of the next generation of scientists, engineers, researchers, and inventors. To establish this culture, we create a scaffold of high expectations coupled with a dynamic, fluid, and fun environment. The philosophy of the SyBBURE Searle program exists around a "maximum effort for maximum return" ideology. This applies both to the independent research project on which a student chooses to work and the program as a whole. Through this year-round research experience, students develop and expand their skill sets, are encouraged to explore their passions and ideas, and receive personalized mentorship from their research advisor, as well as the SyBBURE team, which includes advanced undergraduate students, post-baccalaureate SyBBURE Research Fellows, graduate student and post-doctoral Scientific Advisors, staff, and program directors.

Recently, positions have arisen for graduate students and post-doctoral fellows to serve in the role of Scientific Advisor to undergraduate researchers in the SyBBURE Searle program. The time commitment for this role is approximately four hours per week and compensation is provided. While we will consider individuals from all areas, we have a particular need for individuals with knowledge in synthetic biology, genetics, computational modeling, computer science, and diagnostics.

### **Position Description:**

- 1. Serve as a sub-group leader to a group of undergraduate students (generally 4-8 students)**
  - a. Mentor undergraduate students (who work on projects with faculty across Vanderbilt) by engaging in weekly meetings during the summer and every two weeks during the school year
  - b. Mentor your group of students outside of the regularly scheduled meetings when necessary
  - c. Motivate student progress on their independent research projects
  - d. Provide scientific and professional feedback to students
  - e. Assist students in connecting with others to find solutions and new avenues for their projects
  - f. Be a scientific role model by sharing your best practices
  - g. Identify opportunities relevant to students
  - h. Encourage students to think critically and take ownership of his/her project
- 2. Contributes to the creative, innovative, team-based culture and program management**
  - a. Communicates effectively and regularly with members of the SyBBURE team
  - b. Creates new processes and methods to allow the program to run more effectively
  - c. Contributes to the creation of a community where the students are accepted, supported, inspired, and encouraged
  - d. Assists with planning and conducting program elements and initiatives
  - e. Provide ideas to enhance the mission of the program

### **Requirements:**

- PhD candidate or Post-doctoral Fellow at Vanderbilt
- Desire to mentor, train, and educate young scientists both in scientific and professional development aspects
- Able to provide feedback in a constructive manner
- Patience
- Sense of humor
- Cultural fit with the program
- Ability to commit for a full year with the potential to renew

Contact [chrissy.marasco@vanderbilt.edu](mailto:chrissy.marasco@vanderbilt.edu) for more details or to apply.