

## CPRIT Summer Undergraduate Fellowship in Computational Cancer Biology



**Program Dates: May 29– August 2, 2019**

Funded by Cancer Prevention and Research Institute of Texas (CPRIT) RP170593

Our Computational Cancer Biology Training Program offers selected summer research undergraduates the chance to work one-on-one in labs with postdoctoral fellows who have mentors at the interface of two different research disciplines: one computational and one biological. This unique program offers you the opportunity to gain an interdisciplinary outlook on the problems presented in fundamental cancer research.

You will be matched for a research experience in one of the participating labs of the Gulf Coast Consortia, which is comprised of multiple institutions (see list at the bottom of this page) in Houston and Galveston, Texas, according to your interests, previous knowledge and/or experience, and the availability of positions. You will work full time (~40 hours/week) during this 10-week period on an ongoing project in the lab, learn lab protocol and techniques, attend workshops (including but not limited to proper lab notebook keeping, research ethics, constructing effective abstracts, scientific reports, and PowerPoint presentations), attend lab tours, and prepare a final report and present a poster on your project at the end of the program.

### Who is eligible?

- Rising sophomores, juniors, or seniors majoring in either quantitative or biological sciences, such as:
  - *statistics*
  - *computational & applied math*
  - *computer science*
  - *biology*
  - *biochemistry*
  - *bioengineering*
  - *chemistry*
  - *physics*
- Preferred: students interested in interdisciplinary research and in pursuing graduate or medical school; those having relevant coursework, and computational/programming knowledge and skills.
- We particularly encourage applications from members of diverse backgrounds including underrepresented minority students, students from economically disadvantaged backgrounds, and students with disabilities.
- US Citizenship or Permanent Residency required.

### What is the stipend?

- \$5,000 stipend total for the 10-week full-time summer research experience plus up to \$1,000 total reimbursement for travel and housing, as permitted by the sponsor.

### What is the application process?

Please prepare and submit your application package to include the following material:

- Resumé: include your contact information (i.e. cell phone number), the name of your college or university, your year and major, and current GPA; list all previous jobs you have had (including jobs in a lab, if any), and any computer language / programming courses taken or experience you have.
- One-page statement about why you are interested in computational cancer biology, what you hope to gain from this summer research experience, and your preference for a 'wet' lab or a computational lab. (*NOTE: the availability of 'wet' labs is limited, therefore your choice may not be guaranteed.*)  
*\*Statement format:* 11 pt, single spaced, 1" margins; include your name at the top.
- Academic Transcripts from all undergraduate institutions attended, including course enrollment in current semester. Unofficial electronic copies are acceptable.
- 2 letters of recommendation: One must come from a science or math professor. The other may be from an advisor, counselor, mentor, or employer with whom you worked with for 2+months within the past four years.  
**Letters must be sent directly from the recommender to Vanessa Herrera at [herrera@rice.edu](mailto:herrera@rice.edu).**

**All application materials, including transcripts and recommendation letters, must be received on or before Friday, February 1, 2019** by email to Vanessa Herrera at [herrera@rice.edu](mailto:herrera@rice.edu). All applicants will be notified of an acceptance decision no later than March 8, 2019.

For more information visit <http://www.gulfcoastconsortia.org/home/training/computational-cancer-biology-ccbtp/> or contact the Summer Program coordinator, Vanessa Herrera at [herrera@rice.edu](mailto:herrera@rice.edu).

The **Gulf Coast Consortia** administering this program is comprised of Baylor College of Medicine, Rice University, University of Houston, UT Health Science Center at Houston, UT Medical Branch at Galveston, UT MD Anderson Cancer Center, and the Institute of Biosciences & Technology of Texas A&M Health Science Center.