2021
UC Irvine Cancer Research Institute
Youth Science Fellowship
“Virtual” Program (YSFP)
July 1st – July 30th

A four-week virtual laboratory research opportunity at the
University of California, Irvine
for High School Juniors & Seniors

Application Deadline by February 28th, 5:00 pm

For more information, please visit our Website
http://cri.bio.uci.edu
or Email cri@uci.edu
2021 UCI Cancer Research Institute
Youth Science Fellows Program

Expectations of Students:

● Works Hours: 3 hours a day, 5 days a week for a total of 15 hours a week.

● Attendance at YSFP virtual events, all seminars and panels, video must be ON. *We will be screening the videos to make sure you are paying attention

● Submit responses to 3 Questions after each seminar or panel.

  1. What was the most interesting thing you learned?
  2. What is something you did not understand or want to know more about?
  3. A question you have for the speaker/about the speaker’s research?

● Read assigned paper reviews and watch videos.

General Program Reminders:

● Any absences need to be pre-approved by Krystina before the absence.
● The program ends Friday July 30th.

Contact Information:

CRI Administration Nita Driscoll (nrdrisco@uci.edu; office 949-824-5886) and Krystina Jarema (kjarema@uci.edu; office 949-824-2054).

Graduate Student Coordinators
IMPORTANT

Letter of Recommendation Requirements for Participating Teachers and Faculty

If you have been asked to write a letter of recommendation for the UCI Youth Science Fellowship Program, we would like to say Thank You. We appreciate your students’ interests and your participation in this process. Please note that, there are several requirements that the letter must meet in order for your applicant(s) to be eligible. Email all recommendations or questions to the Cancer Research Institute at cri@uci.edu

Guidelines:

✔ Only one letter of recommendation per student; if there are multiple names on the letter, then none of the students will qualify.

✔ The letter of recommendation must be written on letterhead and emailed from the teacher’s official school email address.

✔ The letter must be emailed as a pdf document.

✔ Please be aware that the due date for the letter of recommendation is non-negotiable. A late letter will disqualify the student applicant. Due date is February 28th, 2020

✔ The student’s name must be in the subject line of the email.

Letter of Recommendation Requirements for Students

Please select a faculty member (teachers within the science, technology, engineering or mathematics department are preferred) who can recommend you for this program. We recommend you share with them the requirements of the letter of recommendation so that your application is not disqualified.

Be aware that it is your responsibility to actively ensure the letter of recommendation is received by the CRI administration on or before the deadline. Any late submissions disqualify you, the applicant, so make sure to ask ahead of time. Choose your faculty sponsor carefully.

Make sure the teacher you have selected knows the email address where the letter of recommendation must be sent, cri@uci.edu. Students may not email the letter of recommendation to the CRI. All letters must be received on letterhead, and emailed using the teacher’s email address.

FAQ: http://cri.bio.uci.edu/sample-page/youth-science-fellowship-program/faqs/

For more information, see the Frequently Asked Questions page and the Sample Application on the CRI Website at http://cri.bio.uci.edu. Please email all questions to the CRI office at cri@uci.edu
Class of 2021
Disclaimer: The following are just a few examples of the types of skills/activities that one could include. Please simply follow this type of format to explain your own personal skills and activities so we can get to know you better! You are not required to have something in all the categories.

Science, Math, and/or Computer Skills

Science Skills

- Took IB Psychology
  - Performed independent study for class project on ‘weapon-effect’ to see impact on ability to observe details when a weapon is present versus not (based on work from Anne Loftus). Involved 40 high school students and obtained consent.
  - Scored a 7 out of 7 on the IB SL Exam
- Took IB Chemistry
  - Scored a 6 out of 7 on the IB exam
- Self-studied IB Biology-I over the summer, so I could enroll in IB Biology-II this year (teacher provide me the book and instructions on what I should learn)
- Currently taking IB Biology-II and have a grade of “A”
- Currently writing my Extended Essay on Parkinson’s Disease
  - Focused on neuroscience of how the disease develops and advances, and also what treatments are available and how they work.
- Experience with micropipettes, cell culture, Bunsen burners, gel electrophoresis, and pH meters

Math Skills

- Advanced Math Track
  - Took IB Calculus as a Junior – Scored a 5 on the AP Calculus Exam
  - Currently taking IB Math HL (multi-variable calculus and other higher math), have grade of “A”.
- Received a 740 on the Math SAT Subject Test

Computer Skills

- Familiar with JAVA (used on my FIRST robotics team)
- Specialist in GMAT (General Mission Analysis Tool)
  - This is a space modeling software used by my CubeSat team
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Experience and/or Honors

Work Experience

- Shift Manager at Anteater Fountain and Eatery 2008-current
  - Make sure customer’s orders are filled correctly and quickly, and that we are compliant with company policies and safety codes. As manager during my shift I address any issues that happen
  - 6 hours a week (but more during breaks and holidays)

Volunteer

- Hospital Volunteer at Anteater Medical Clinic 2008-current
  - Worked directly with Dr. Ant and helped with patients, organized research data from ongoing clinical trials relating to emotional and physical health connection and helped with other office tasks.
  - 4 hours a week
- Volunteer at Anteater Church 2006-current
  - Help with the elementary kids once a month

Other Activities

- Co-captain FIRST Robotics Team 2009-current
  - Helped start the team at my school, participated in the designing and building of the robot
  - Captain of the drive team during the Regional Competition
  - 20 hours a weeks during build season, less during off season
- Member of CubeSAT STEM Program 2008-2009
  - Working with a team to launch a CubeSAT (nano-satellite) into low earth orbit.
  - 5 hours a week
- Member of Varsity Soccer Team
- Secretary of Anteater Car Club 2007-2008
  - Hosted a large car show at school where students, parents, and faculty could enter their car. I was in charge of registration.
  - Proceeds were donated to the school to repair our parking lot

Honors

- Scholar Athlete (for top athletic performance and high GPA) Fall 2009
- IB Psychology Student of the Year Spring 2009
- Honorable Mention at ASK Fair (Anteater Science Knowledge Fair)
  - Submitted poster titled, “Sugar or Sugar, what Sugar do Ants like best?”
  - Used 5 different types of sugar to investigate the best way to attract Ants to the source.
**Personal Statement**

Ideas of things to include (these are NOT required, just suggestions)

1. Why you are interested in this program and what about research excites you.
2. What do you hope to achieve by being a part of this program, personally
3. Any plans you have after graduating from high school or other career plans. If you don’t have plans, that is okay too – let us know what you are exploring then.
4. Any life experiences that have played a role in shaping who you as a scientist.
5. OR anything else that will help us understand and get to know you as a person

Arial Font, Size 12, Maximum 1000 Words
Reminder, this is a RESEARCH Program, not a Pre-Med program

**Diversity Statement**

Diversity is a broadly defined term. **In 300 words or less** describe how your interests and/or background (in terms of culture, race, gender, ethnicity, work and life experiences would contribute to the "diversity" of the program. Also, why diversity is important for a research team and in science.

**Additional Information**

(Optional Essay) Any additional information you would like the review committee to know as we review your application does here. (100 word limit)