



University of Colorado School of Medicine RNA Bioscience Initiative Summer Internship Program

Hands-on, mentored research opportunities in RNA Biology, Chemistry, Biochemistry, Genomics, and Bioinformatics

The RNA Bioscience Initiative (RBI) at the University of Colorado School of Medicine in the Denver metro area offers a summer research internship program in the areas of RNA Biology, Chemistry, Biochemistry, Genomics, and Bioinformatics. Interns are matched with one of the faculty from the biomedical research departments on the campus, including researchers studying fundamental aspects of biology and the molecular bases of cancer, developmental biology, autoimmunity, and infectious disease. Undergraduate students with a strong interest in RNA research are encouraged to apply for this program. The program is especially intended for undergrads wishing to gain more research experience in advance of applying to graduate school. Applicants may designate three preferred potential mentors from RBI faculty or they may contact an RBI faculty member ahead of applying to pre-arrange an internship match (please note this on the application). All matches are made only after selection from the entire applicant pool.

The RNA Bioscience Initiative was started with a $20 million award from the University of Colorado Anschutz Medical Campus in 2016. The mission of the RBI is to create and expand a vibrant center of discovery and innovation in RNA research, diagnostics and therapy. Our goal is to provide a fluid pipeline from basic to clinical RNA research on our campus and beyond.

Important Information:

* 10-week program. June 1-August 7, 2020 (start/end date flexible). $4000 stipend.
* Round-trip travel to Denver and housing are provided to our interns.
* Starting in Summer 2020, 50% of interns will be selected from [SACNAS](https://sacnas.org/)-affiliated students.
* Opportunities for hands-on research expericnece in the lab of a research mentor on one of a broad range of cutting-edge RNA research projects.
* An orientation day to the RNA Bioscience Initiative and Internship Program.
* Weekly RNA-related small group lunch seminars from core RBI faculty.
* Mentoring lunches with PhD students and postdocs affiliated with the RBI.
* A short oral presentation at the end of the project to develop science speaking skills.
* Spend the summer in Denver, CO, which offers a great balance of urban and outdoor activities.

Apply at: [rockyrna.org/education/summer-program/](https://rockyrna.org/education/summer-program/)

Deadline: **Feb 15, 2020**

### RNA Bioscience Initiative Summer Internship Program (RBISIP)

The RNA Bioscience Initiative Summer Internship Program (RBISIP) offers internships to provide research experience and an opportunity for undergraduate students to explore and apply academic theory in a biomedical research lab.

**Application Information**

A committee of RBI faculty will select highly-qualified undergraduates for RBISIP 2020 positions. Demonstrated interest of the applicant in RNA Bioscience in the application essay will factor strongly.

Applicants will be contacted by email starting the week of February 24, 2020 and continuing until all slots are filled. Applicants will have seven days to accept the internship offer and will be asked to sign a letter of acceptance agreeing to complete the program requirements. If the applicant needs to make a decision on another offer for a summer program before being contacted by the RBISIP, they may contact the RBI to request an expedited decision. Please note that RBISIP is a full-time training program that spans 10 weeks. Therefore, fellows may not combine their research work with any other daytime commitments.

**Eligibility and Requirements**

All college undergraduates who will be re-enrolling Fall 2020 are eligible to apply. RBISIP can only accept U.S. citizens and permanent residents. Interns are required to attend orientation and weekly lectures given by RBI researchers and/or mentors. Applicants whose institution is in session into June may request approval for a late start date. Interns must present their work at the end of the internship to members of the RBI. Any publications, patents, posters, talks or projects that result from an intern's participation in RBISIP must credit the program by including the funding acknowledgement.

**Application**

The application deadline for Summer 2020 is February 15, 2020.

Complete the following application items found in the **RBISIP Application Packet**, assemble them in this order into a pdf file and email it to [rna.bioscience@ucdenver.edu](mailto:rna.bioscience@ucdenver.edu)

* 1. Completed program application.
  2. Your CV/resume, two-page maximum.
  3. A one-page maximum essay detailing the applicant's academic activities, the applicant’s interest in the RBISIP, expectations from the program, and future career goals. The essay should also include the reasons for selecting their desired **mentors/projects**. The essay should be typed, 11pt Arial font, and 1.5 line-spacing.

1. Arrange to have two letters of recommendation (at least one from a science professor/lecturer from a course completed by the applicant) sent to the RBI Summer Internship Program e-mail address. See application packet for instructions.
2. Have your college/university send an official college transcript by e-mail (preferred) or by mail to: RNA Bioscience Summer Internship Program

University of Colorado Anschutz Medical Campus 12801 E 17th Avenue, MS8101

Aurora, CO 80045

**Stipend and Housing**

Interns will be paid a stipend of $4,000 via direct deposit in three installments. Housing is included, for those interns who require it. In addition, for those traveling from some distance, the flight to/from Denver to begin and end the program will be arranged by the Program at no cost to the intern.

**Important Dates:**

|  |  |
| --- | --- |
| Applications Due: | February 15, 2020 |
| Applicants will be contacted starting: | Feb 24, 2020 |
| Start of Internship: | June 1, 2020 |
| End of Internship: | August 7, 2020 |

# 2020 RNA Bioscience Initiative Summer Internship Program Application Packet

Deadline for submission is February 15, 2020

### Completed application package, assembled into one PDF file:

* 1. Internship program application, converted to PDF
  2. CV (two-page maximum) in PDF form
  3. One-page (maximum essay) detailing the applicant’s current academic activities, his/her specific interest in the RBISIP, future career goals, and what guided the selection of the mentors/projects. The essay should be typewritten, 11pt Arial,

1.5 line-spacing.

Completed application with the required documentation should be emailed to [rna.bioscience@ucdenver.edu](mailto:rna.bioscience@ucdenver.edu) .

### Two letters of recommendation, due Feb 15:

The letters must be on official letterhead from a professor, lecturer, or laboratory mentor/supervisor.

The letters can be delivered electronically as a PDF to [rna.bioscience@ucdenver.edu](mailto:rna.bioscience@ucdenver.edu) with applicant’s last name in the subject heading.

### Official transcript(s):

Transcript(s) should be mailed to [rna.bioscience@ucdenver.edu](mailto:rna.bioscience@ucdenver.edu) by your institution (previous or current) and should cover at least the last 12 months, including Fall 2020. For first year college students, the transcripts should include high school and the first semester. Transcripts must be received by February 15.

While e-mail is preferred, letters of recommendation and official transcripts can be mailed to: RNA Bioscience Initiative Summer Internship Program

University of Colorado Anschutz Medical Campus 12801 E. 17th Ave.

RC1-S, L18-10121, MS8101

Aurora, Colorado 80045

For any questions regarding this application, please email [rna.bioscience@ucdenver.edu](mailto:rna.bioscience@ucdenver.edu)

By submitting this application, I accept that, to the best of my knowledge, all the information contained in this application is correct and valid.

# 2020 RNA Bioscience Initiative Summer Internship Program Application

## (Please type, if possible)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Last name:** | **First name:** | | |  | |
| **Birth date** (MM/DD/YY): | **Email:** | | | | **Phone:** |
| **I identify my ethnicity as (mark all that apply with “X”):**  \_\_ Hispanic/Latinx \_\_ Black/African American \_\_ White \_\_ Native American  \_\_ Native American \_\_ Pacific Islander \_\_ prefer not to answer \_\_ Other: | | | | | |
| **I identify my gender as:**  \_\_ female \_\_ male \_\_ nonbinary \_\_ prefer not to answer | | | | | |
| **Current/Prosepective SACNAS member?** | | | | | |
| **Current address:** | | **Permanent address:** | | | |
| **Current academic level (freshman, sophomore, etc.):** | | | | | |
| **Major:** | | | **Minor:** | | |
| **Current academic institution:** | | | | | |
| **Projets: List the names of 3 RBI-affiliated faculty mentors in the order of interest. (see** <https://rockyrna.org/education/summer-program/>**) \*Indicate pre-arranged internship\*** | | | | | |
| **Mentor 1:** | | | | | |
| **Mentor 2:** | | | | | |
| **Mentor 3:** | | | | | |
| **Where did you hear about RBISIP?** | | | | | |
| **Do you require a late start and end date for the internship?** | | | | | |

**Intern Resume**

(A maximum of 2 pages)

### Candidate name:

**Education:** (specify undergraduate institution, including MM/YY of expected graduation)

### GPA for current year: GPA for science classes only(all years):

**Total credits completed: Completed science credits:**

**Research experience:** (list internships, jobs, volunteer work, etc. in research settings)

**Participation in scientific events:** (list science fairs, meetings, workshops, etc.)

**Publications:** (list abstracts or articles published from your research experience)

**Work activities:** (list your job/s for the current academic year)

### Relevant extra-curricular activities:

**Career goals and additional information relevant for this application:**

**Intern Essay**

(A maximum of 1 page)