# National Science Foundation Research Experiences for Undergraduates

## Summer Undergraduate Research Program in Biochemistry

Department of Biochemistry and Biophysics
Texas A&M University

**May 28 – July 31, 2019**

### The Program

The Department of Biochemistry and Biophysics offers an opportunity for undergraduate students to participate in a 10-week intensive summer research program during the summer of 2019. Under the direction of our faculty, students will join a laboratory team to conduct research in modern biochemistry, with wide-ranging possibilities in structural biology, bioinformatics, molecular genetics, genomics, enzymology or biophysics. To complement the hands-on research experience, students will participate in weekly meetings in order to explore the diversity of research opportunities in this vibrant field and to learn effective oral and written presentation skills.

### Eligibility

The program is open to pre-baccalaureate undergraduate students majoring in biochemistry, chemistry, genetics, biology, or any life science. Preference will be given to candidates who have finished their third year and already taken organic chemistry and biochemistry courses. However, outstanding students who have completed their second year of college work will also be considered. In addition, a strong candidate is likely to pursue an advanced research degree. This program is committed to provide research opportunities for students from groups that are underrepresented in the sciences.

**Financial Support for Participants**
Each undergraduate researcher will receive a stipend of $5500 for the 10-week program, plus dormitory room (single-bedroom in a suite), and food expenses (added to the stipend payments). In addition, a travel allowance of up to $800 is available to cover costs of round-trip transportation.

**Selection of Research Laboratory**
Upon acceptance into the summer program, each student will submit a rank-ordered list of five faculty in whose lab they would prefer to work for the summer. A brief description of faculty research interests can be found at **http://biochemistry.tamu.edu/**. Every effort will be made to pair the student with one of their choices.

**Housing**
We will arrange housing at a dormitory near Texas A&M. It is possible for students to live in an off-campus apartment during the summer program, but such arrangements will be the responsibility of that student.

**Application to the Summer Research Program**
Mail the completed, attached application form to:

Summer Undergraduate Research Program in Biochemistry
Department of Biochemistry and Biophysics
Texas A&M University
2128 TAMU
College Station, TX 77843-2128

Alternatively, complete an application on-line that is linked to our website: **http://biochemistry.tamu.edu** (navigate to "Research", then "REU Summer Research")
In addition to the application form, you must attach a personal statement describing why you are interested in performing research and how this experience relates to your goals upon completion of your bachelor's degree. Also, arrange for the submission of two reference letters on your behalf to the address listed above, and a transcript from your current university/college. An unofficial transcript is fine for review of applications.
The deadline for complete applications, including reference letters and transcript is **February 1, 2019**.

**If you have questions…**
Send inquiries to bryk@tamu.edu, g-kunkel@tamu.edu or call our office at 1-800-482-6246.

## Application for Summer Undergraduate Research Program in Biochemistry

Please return completed application form, statement of goals, two letters of recommendation, and a transcript by **February 1, 2019** to:

Summer Undergraduate Research Program in Biochemistry
Department of Biochemistry and Biophysics
Texas A&M University
2128 TAMU
College Station, TX 77843-2128

Name: _____
Last First Middle

Current Address: Permanent Address:

_____ _____

_____ _____

_____ _____

Tel. Number: _____ Tel. Number: _____

Email address: _____ Date of birth: _____

Citizen of: _____
(or permanent resident, if applicable)

What are your plans after you graduate? ☐ Ph.D. ☐ medical school ☐ M.D./Ph.D. ☐ job
☐ other (explain_____)

Universities/Colleges attended, starting with the one in which you are currently enrolled:

| University/College | Dates of attendance | Expected graduation date | Major field |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

Grades in undergraduate courses:

Freshman chemistry ___, ___ Freshman Biology ___, ___ Organic Chemistry ___, ___

Genetics ___ Biochemistry ___ Overall Grade Point Ratio _____

Names and email addresses of two persons who will send reference letters:

_____ Email: _____

_____ Email: _____

**Please attach a personal statement describing why you are excited about performing biochemical research and how it might help you attain your future goals.**