



## The Ingalls Undergraduate Immunobiology Research Scholars Program

The **Ingalls Undergraduate Immunobiology Research Scholars Program** was created to attract talented young people to the field of immunology. This goal is reached by recruiting talented CWRU undergraduate students pursuing a degree in biology, biochemistry, or biomedical engineering and giving them an opportunity to perform cutting-edge research at the CWRU School of Medicine.

Case Western Reserve University (CWRU) is renowned for excellence in research and education. In no discipline is this reputation more deserved than medicine, where the university's acclaimed School of Medicine has been home to an innovative and inclusive curriculum since its founding in 1843. Guided by principles of scholarship and mentorship, faculty work tirelessly to engage students in immersive learning experiences that prepare them to thrive in the next stages of their careers. Concurrently, CWRU has evolved a number of diverse areas of immunobiology research excellence. One early advance was the discovery of what is now known as the Alternative Pathway of complement. This portion of the immune system a key component of immunity to infection, and is now implicated in the progression of cardiovascular diseases, neurological disorders, cancer, and other serious conditions. In addition, CWRU holds international acclaim for excellence in inflammatory bowel diseases, HIV/AIDS and tuberculosis research, autoimmune disorders, and fundamental aspects of how the immune system works. These areas include adaptive immunity in response to vaccines, regulation of molecular and cellular function in homeostasis, pathways of inflammation, and others.

### Program Features

- Stipend support of \$4000
- 10-week appointment period from May 29 to August 4
- Work in a research laboratory at the School of Medicine
- Educational programs coordinated through the Office of Undergraduate Research
- Housing available through CWRU, if desired (student responsible for housing costs)

### Eligibility

- CWRU student in good standing majoring in biology, biochemistry, or biomedical engineering
- The research must be within the field of immunology
- Students already conducting research in an immunology laboratory in the School of Medicine are eligible
- Underrepresented populations, students with disabilities, and first-generation college students are particularly encouraged to apply
- Must commit to full time work in the laboratory over the entire appointment period

### Application Materials

- Application Form (next page)
- Statement of career goals (<1 page)
- CWRU Transcript
- Letter of commitment and recommendation from the prospective mentor. The program does *not* match students with mentors, although we might be able to assist in making potential connections and/or making introductions between interested students and faculty.

Applications are now being accepted for Summer 2023. Questions and applications should be directed to the Program Director, Dr. Brian A. Cobb ([brian.cobb@case.edu](mailto:brian.cobb@case.edu)). The deadline for applications is **February 24, 2023**.

## The Ingalls Undergraduate Immunobiology Research Scholars Program 2023 Application Form

Student Full Name: \_\_\_\_\_ Preferred Name (if different): \_\_\_\_\_

CWRU Major: \_\_\_\_\_

Expected Graduation Date: \_\_\_\_\_

Email address: \_\_\_\_\_

Are you Hispanic or Latino?  Yes  No  Prefer to not say

What is your race?  White  Black; African American  American Indian/Alaska Native  
(check all that apply)  Asian  Pacific Islander  Other  
 Prefer to not say

Are you a first-generation college student?  Yes  No

Preferred Pronouns  she, her, hers  he, him, his  they, them, theirs

Title of project: \_\_\_\_\_

Mentor Name: \_\_\_\_\_

Mentor Email: \_\_\_\_\_

Mentor Phone: \_\_\_\_\_

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*Return Application Form, Statement of Career Goals (<1 page), and CWRU transcript to Dr. Brian Cobb (brian.cobb@case.edu) by February 24, 2023. Also arrange for your mentor to independently send a letter of commitment and support to Dr. Cobb.*