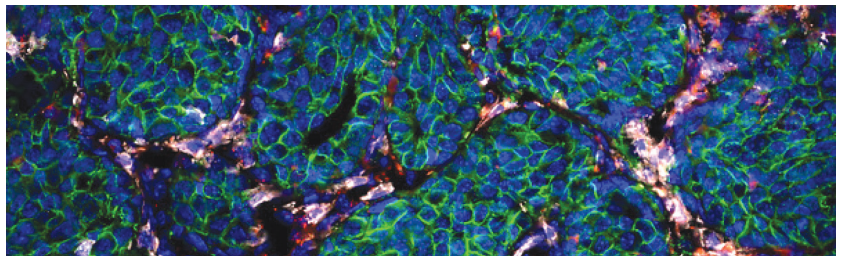


Summer Undergraduate Research Program

Gerstner Sloan Kettering

Graduate School of Biomedical Sciences



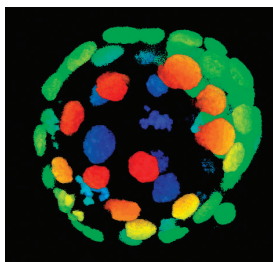
“The scientific policy of the Institute rests upon the principle that basic advances through research are made only by the creative genius of individual scientists.”

ALFRED P. SLOAN, JR., CO-FOUNDER, SLOAN-KETTERING INSTITUTE, UPON THE CREATION OF THE INSTITUTE IN 1945

THE PROGRAM

The Gerstner Sloan Kettering Graduate School of Biomedical Sciences sponsors a 10-week research program for outstanding undergraduate students who are interested in pursuing a career in biomedically related sciences. Students in the program will have the opportunity to:

- Obtain hands-on research experience in cutting-edge laboratories
- Interact with faculty, postdoctoral fellows, and graduate students
- Attend a weekly luncheon/seminar series, with presentations by faculty
- Attend skills/development workshops, such as presentation skills, interview skills, etc.
- Attend and present at works-in-progress sessions with the cohort of summer students
- Present their research at a special poster session at the end of the program



Color-coded depth projection of a living blastocyst-stage mouse embryo. This image was computationally rendered from a laser scanning confocal z-stack of x-y images. The embryo is transgenic and expresses a histone H2B-EGFP fusion protein in all cells.

Courtesy of Hadjantonakis, PhD, et al



AREAS OF RESEARCH

The explosion in knowledge that has driven recent progress in the diagnosis and treatment of cancer reflects the vitality of laboratory science at Sloan Kettering. Students will learn from scientists who are conducting research in:

- Developmental biology and genetics
- Signals and pathways involved in the control of cell proliferation
- Cell-cell interactions, adhesion, and protein targeting
- Tumor immunology, immunotherapy, and transplantation biology
- Genomic integrity and human cancer genetics
- Drug development, drug resistance, and clinical therapeutics
- Chemical biology and structural biology
- Computational biology

THE AWARD

Students who are accepted into the program will be offered a stipend of \$4,000 and housing. Four exceptional students will be selected and named “Rubin and Sarah Shaps Scholars.”

ELIGIBILITY/SELECTION CRITERIA

We invite domestic and international undergraduate freshmen, sophomores, and juniors who are contemplating a career in biomedically related sciences to apply to the Summer Undergraduate Research Program. Applicants should have a minimum GPA of 3.0. The most competitive applicants will have completed college-level general biology and/or introductory chemistry, have taken some advanced science courses, and have research experience.

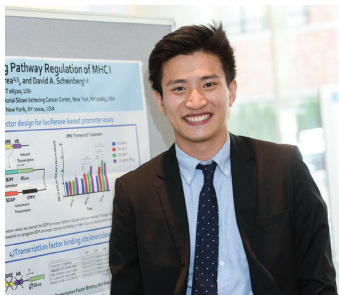
The criteria for selection include the applicant’s undergraduate record, two letters of recommendation, and an inclination toward research as demonstrated in the submitted application.

THE SCHEDULE

The program begins on the first Monday in June and runs for 10 consecutive weeks.

THE APPLICATION

Students who are interested in applying to the Program can find the application on www.sloankettering.edu. In addition to the application form and essay, applicants should submit an official transcript and two letters of recommendation. These letters should be written by faculty members who are familiar with the applicant’s academic credentials or, if applicable, written by the research advisor/s. The deadline for submission of all application materials is February 1. Applicants will be notified of a decision by March 15.



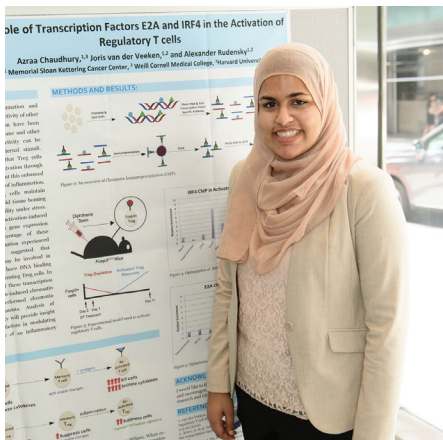
My work here broadened my horizons and made me want to learn more about cellular regulation. The techniques I used this summer were all new to me, and I want to bring back what I learned and incorporate it into my lab work back at school.

GEORGE MO (YALE UNIVERSITY)



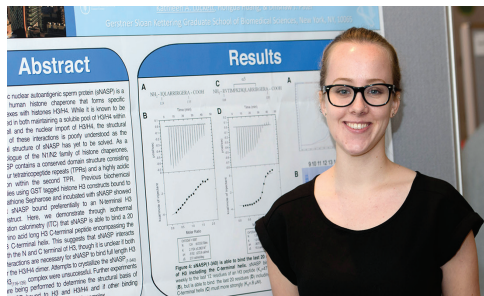
It was amazing to get to interact with other students my age from all over that had a similar passion for research. I also learned more in the ten weeks than I thought possible and my experience helped shape my future research interests.

LAUREN DENNISON
(UNIVERSITY OF GEORGIA)



I really enjoyed getting to know the other SURP students. The time that we spent together was great because I got to see the passion that other students have for research and I think that interacting with each other made us all more excited about science.

AZRAA CHAUDHURY
(HARVARD UNIVERSITY)

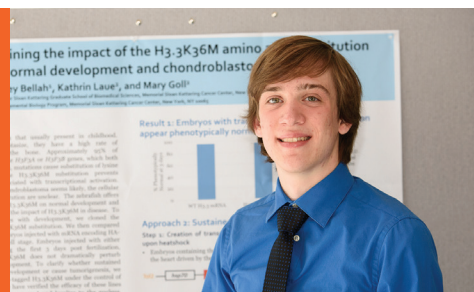


I really enjoyed the seminars. It was a great way to learn about all the types of research GSK has to offer as well as learn about research across many different fields.

KATHLEEN LUCKETT (ITHACA COLLEGE)

[Journal Club] gave us a chance to engage deeply with science outside of our lab's focus, and helped bring together members of the program, enhancing the social aspect.

JEFFREY BELLAH (EMORY UNIVERSITY)



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