

Computational Biology Summer Program (CBSP)

June 5 to August 11, 2023

A 10-week research experience on the NYC campuses of Memorial Sloan Kettering Cancer Center, Weill Cornell Medicine and Rockefeller University

Applications are invited from computer science & applied math undergraduate freshmen, sophomores, and juniors interested in pursuing research at the interface of computer science and biomedicine for a summer research experience. Applicants must have computer science experience and fluency.

CBSP is sponsored by an NCI grant to Memorial Sloan Kettering Cancer Center (1 R25 CA233208-01) and the Tri-Institutional PhD Program in Computational Biology & Medicine Program.

For more information, see a full description of the program at:
mskcc.org/cbsp-summer

Students can complete and submit an online application at:
sam.mskcc.org

**Deadline for receipt of applications:
February 1, 2023**

Participants will:

- Adapt their computer science skills to answer biomedically-focused research questions in cutting-edge laboratories at Memorial Sloan Kettering Cancer Center, Weill Cornell Medicine and Rockefeller University.
- Interact with faculty, postdoctoral fellows, and graduate students.
- Attend weekly luncheon/seminar series of presentations by faculty.
- Attend professional development workshops.
- Present a poster at the end of the program.
- Receive a stipend of \$6,000 for the summer. Housing available.

We strongly encourage students from groups historically underrepresented in science (disadvantaged, disabled, Black, Hispanic/LatinX, Native American) to apply.



Memorial Sloan Kettering
Cancer Center



**Weill Cornell
Medicine**



Chemical Biology Summer Program (ChBSP)

June 5 to August 11, 2023

**A 10-week chemical biology research experience on the NYC campuses of
Memorial Sloan Kettering Cancer Center, Rockefeller University & Weill Cornell Medicine**

Applications are invited from chemistry, biochemistry and chemical biology undergraduate freshmen, sophomores, and juniors interested in pursuing research at the interface of chemistry and biomedicine.

The ChBSP is sponsored by the Tri-Institutional Therapeutics Discovery Institute, the Tri-Institutional PhD Program in Chemical Biology and Memorial Sloan Kettering Cancer Center.

For more information, see a full description of the program at:
mskcc.org/chbsp-summer

Students can complete and submit an online application at:
sam.mskcc.org

**Deadline for receipt of applications:
February 1, 2023**

Participants will:

- Adapt their chemistry skills to answer biomedically-focused research questions in cutting-edge laboratories at Rockefeller University, Memorial Sloan Kettering Cancer Center, and Weill Cornell Medicine.
- Interact with faculty, postdoctoral fellows, and graduate students.
- Attend a weekly luncheon seminar series of presentations by faculty.
- Attend professional development workshops.
- Present a poster at the end of the program.
- Receive a stipend of \$6,000 for the summer. Housing available.

We strongly encourage students from groups historically underrepresented in science (disadvantaged, disabled, Black, Hispanic/LatinX, Native American) to apply.



Memorial Sloan Kettering
Cancer Center



**Weill Cornell
Medicine**



MSK & Weill Cornell Medicine Engineering Summer Program (ESP)

June 5 to August 11, 2023

**A 10-week engineering-focused research experience on the NYC campuses of
Memorial Sloan Kettering Cancer Center and Weill Cornell Medicine**

Applications are invited from engineering undergraduate freshmen, sophomores, and juniors interested in pursuing research at the interface of engineering and biomedicine. Applicants must have an engineering/physical sciences/computational background.

For more information, see a full description of the program at:
mskcc.org/mesp-summer

Students can complete and submit an online application at:
sam.mskcc.org

**Deadline for receipt of applications:
February 1, 2023**

Participants will:

- Adapt their engineering skills to address biomedically-focused research questions in cutting-edge laboratories at Memorial Sloan Kettering and Weill Cornell Medicine.
- Interact with faculty, postdoctoral fellows, and graduate students.
- Attend a weekly luncheon seminar series of presentations by faculty.
- Attend professional development workshops.
- Present a poster on their work at the end of the program.
- Receive a stipend of \$6,000 for the summer. Housing available.

We strongly encourage students from groups historically underrepresented in science (disadvantaged, disabled, Black, Hispanic/LatinX, Native American) to apply.



Memorial Sloan Kettering
Cancer Center



**Weill Cornell
Medicine**

Molecular Imaging Summer Program (MISP)

June 5 to August 11, 2023

**A 10-week research experience on the NYC campus of
Memorial Sloan Kettering Cancer Center**

Applications are invited from undergraduate freshmen, sophomores, and juniors interested in pursuing research at the interface of molecular imaging and cancer biology. Applicants must have completed college-level general biology and introductory chemistry and have completed some advanced science courses.

For more information, see a full description of the program at: mskcc.org/misp-summer

Students can complete and submit an online application at: sam.mskcc.org

**Deadline for receipt of applications:
February 1, 2023**

Participants will:

- Adapt their biology and chemistry skills to address biomedically-focused imaging research questions in cutting-edge laboratories at Memorial Sloan Kettering Cancer Center.
- Interact with faculty, postdoctoral fellows, and graduate students.
- Attend a weekly luncheon seminar series of presentations by faculty.
- Attend professional development workshops.
- Present a poster on their work at the end of the program.
- Receive a stipend of \$6,000 for the summer. Housing available.
- Through the generous support of Telix Pharmaceuticals Limited (Melbourne, Australia) an additional fully-funded internship will be offered to an undergraduate student based in Australia. The application process and deadlines are the same.

We strongly encourage students from groups historically underrepresented in science (disadvantaged, disabled, Black, Hispanic/LatinX, Native American) to apply.



**Memorial Sloan Kettering
Cancer Center**

Summer Undergraduate Research Program (SURP)

Gerstner Sloan Kettering Graduate School of Biomedical Sciences (GSK) is embedded within Memorial Sloan Kettering, the country's oldest and largest private cancer center, and sponsors a 10-week research program for outstanding undergraduate students who are interested in pursuing a career in biomedical sciences.

Students in SURP will have the opportunity to:

- obtain hands-on research experience in cutting-edge laboratories
- interact with faculty, postdoctoral fellows, and graduate students
- attend weekly luncheon seminars, with presentations by faculty
- attend workshops to improve and develop presentation and interview skills
- present their research at a special poster session at the end of the program
- experience New York City's thriving scientific and cultural communities

Areas of Research:

- developmental biology and genetics
- 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



Eligibility Selection Criteria

We invite undergraduate freshmen, sophomores, and juniors who are contemplating a career in biomedical research to apply to SURP. 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 a career in research.

The Application

Students who are interested in applying to SURP can find the application at www.sloankettering.edu. **The deadline for submission of all application materials is February 1, 2023.** The program will start in early June.

