

NCI at Frederick

Werner H. Kirsten Student Intern Program

Started in 1989 WHK SIP was designed to expose high school seniors to research and administrative management in a health care environment.

Scientific interns experience the basic methods of biomedical research through “hands-on” laboratory training.

Students in the internships in support of science/research are assigned projects in areas such as programming, information technology, graphics and media, bioinformatics, security, scientific writing and analytics.

Program at a glance...

- ⇒ Apply as a high school junior (must be 17 prior to start of the internship)
- ⇒ Internship opportunities available in the lab (wet lab) and in support of science (dry lab)
- ⇒ One-Year internship:
 - ⇒ * Eight (8) consecutive weeks (40 hrs/week) during the summer before senior year (stipend of approximately \$4000)
 - ⇒ * 3 hours per day, every day school is in session, during senior year (4 weighted credits upon completion of the program)
- ⇒ **MUST** have Transportation to participate!

Visit https://ncifrederick.cancer.gov/careers/student_programs/internships/SIP/

for a complete list of program requirements.

Contact your guidance counselor or transition coordinator for more information prior to applying. Verify schedule to ensure graduation requirements can be met while working off campus for half the school day.



FOR MORE INFO

Please contact Marsha Duncan

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*If we knew what we were doing
it wouldn't be called research.*

-Albert Einstein



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TIMELINE

Application opens October 1, 2019 and closes December 8, 2019

Deadline for Teacher Recommendations—December 22 2019

Interviews take place in January and February 2020


Offers made in early April and Internships finalized by mid-April

Safety Training Day and Incoming Ceremony for selected interns—May

Start of Internship—First Monday in June after school ends

To apply: https://ncifrederick.cancer.gov/careers/student_programs/internships/sip/

Fall Lecture Series:



The goal of this course is to prepare students for internships in the biomedical research field. The information provided is supplemental to what is taught in the schools and specific to the work being done in the NCI at Frederick laboratories by some of the fields leading researchers. All lectures are given by WHK SIP mentors.

Registration is required at: <https://ncifrederick.cancer.gov/events/conferences/whk-fall-lecture-series>

Advanced Technology Research Facility at 8560 Progress Drive, Frederick

5:00pm—6:00pm

Nov. 12, Dec. 9, Jan. 14, Feb. 11, Mar. 10

Wet Lab Opportunities in the areas of biology, genetics and chemistry:

Biology: Cell, Developmental, Evolutionary, Immunology, Molecular, Protein, Nanobiology, Structural, Virology, Yeast/Bacterial Physiology, RNA/DNA

Genetics: Human, Mammalian, Yeast/Bacterial

Other: Chemistry, Drug Development, Physics

Dry Lab Opportunities in the following areas:

Computational, Data Analysis, Bioinformatics, Biostatistics, Graphics, Linux, Molecular Modeling, Networking, Programming, Web Development, Mathematics, Project Management, Scientific Communications, Scientific Writing

