

Who May Apply

The JGBCC SRIP is open to high school students – sophomores, juniors and seniors (16 years old prior to June 1) – in the greater Louisville metropolitan area (Jefferson, Oldham, Shelby, Spencer, Nelson, Bullitt and Hardin Counties in Kentucky, and Clark and Floyd Counties in Indiana). If housing is not an issue, applications may be accepted from other Kentucky counties. The program also may accept a limited number of college undergraduate students, also with housing in the area.

How to Apply

Application materials and instructions, along with information about the James Graham Brown Cancer Center and the research faculty, may be found at the following address by February 1:

<http://www.browncancercenter.org>

Send your application to:

Diane K. Konzen, SRIP Director
James Graham Brown Cancer Center
529 South Jackson Street
Louisville, KY 40202

Applications must be received by Friday, March 25, 2016.

Decisions will be announced by May 1.

Address **Questions** to Diane Konzen at diane.konzen@louisville.edu.



JAMES GRAHAM BROWN CANCER CENTER

SUMMER RESEARCH INTERNSHIP PROGRAM





...enjoy science?

...interested in working on biological/biomedical research, with an emphasis on cancer?

...willing to commit at least 20 hours per week for 8 weeks over the summer?



James Graham Brown Cancer Center

The James Graham Brown Cancer Center (JGBCC) is a key component of the University of Louisville's Health Sciences Center in downtown Louisville. As part of an academic medical center, the environment encourages collaboration between physicians and cancer researchers and fosters a strongly collegial atmosphere, with an emphasis on translational research. For more information about the JGBCC, please go to: www.browncancercenter.org

Summer Research Internship Program

Since 2003 the JGBCC has hosted a Summer Research Internship Program [SRIP] for high school students, and a limited number of early college undergraduates, to introduce them to hands-on basic and/or translational cancer research.

The overall goal of the program is to allow students with an interest in the sciences an opportunity to obtain hands-on experience working in a wet (research) laboratory with JGBCC research faculty.

This is a competitive program that concentrates on interest and participation as much as it does on academic credentials. Applications are screened by a committee of JGBCC research faculty, all of whom have been mentors, which selects the interns and assigns them to an appropriate research mentor based primarily on the interests and experience of the intern.

Participation in the program requires a minimum commitment of 20 hours per week for the entire 8-week period (mid-June to early August).

A weekly seminar series organized for this program exposes interns to cutting edge-research and current hot topics in a variety of areas, with a focus on cancer.

Past topics have included: serendipity in research; stem cells – embryonic, adult and cancer; fighting cancer by targeting it's food supply; understanding cancer signaling through the study of fungi; prevention of cancer by vaccination; role of microsomal RNA in cancer; translating metabolomics into novel cancer therapeutics; drug design for new cancer therapies; and the molecular bases of cancer.

At the end of the program, interns prepare posters summarizing their research data, which are displayed at a special poster session organized for the last day of this program, as well as at the annual JGBCC Retreat and at Research! Louisville, the annual celebration of research at the University of Louisville, both held in the fall. Many interns have won awards at regional, state and national science fairs, a number have presented their work at national scientific meetings, and others have been co-authors on scientific publications.

On an individual basis, a limited number of interns may continue to work with their research mentors during the school year and, as relevant, return for a second summer to complete more complicated projects.

Past interns have obtained degrees at undergraduate and graduate schools at universities across the country, including: Colorado State University, University of California, University of Louisville, University of Michigan, University of North Carolina, University of South Carolina, University of Virginia, Vanderbilt University, Harvard University, the Massachusetts Institute of Technology (MIT), and Yale University.

PLEASE NOTE: There will be no stipends in 2016.
