

Cancer Biology Pathway Predoctoral and Postdoctoral Program

****Predoctoral****

This Pathway is open to Ph.D. students from any Program in the Division of Biology and Biomedical Sciences. Selection will be made from students entering their 2nd and 3rd years of graduate training. Students will be selected from laboratories of Siteman Cancer Center members, and chosen by a panel selected by the Siteman Cancer Center Basic Science Leadership Committee. The funding start date will be September 1, 2018.

****Postdoctoral****

In addition, for the Cancer Biology Postdoctoral Program, two postdoctoral (Ph.D.) appointees will be selected for a 2-year period of support at the NIH training grant stipend level (additional compensation is the responsibility of the host lab). The funding start date will be September 1, 2018. Postdoctoral appointee applicants must be:

- within two years of receiving their Ph.D. at the time of application
- a US citizen or permanent resident
- training in the laboratory of a Siteman Cancer Center member who is an identified faculty mentor on the Molecular Oncology Training Grant (PI: Dr. Lee Ratner)

Note: Postdoctoral appointees must be US citizens or have a green card.

Information for all

All trainees will register for a Special Topics Course (Dr. Lee Ratner, Course Master), an overview course of cancer biology examining a different topic each week in molecular, cell biological or immunological aspects of cancer biology. Postdoctoral appointees **must attend** the class **but do not need to register** for credit.

The second Special Topics Core (Dr. Todd Druley, Course Master) is a course of in-depth analysis of basic and clinical aspects of cancer biology, with a particular emphasis on pediatric oncology. This course has been offered in alternate spring semesters. Pre doctoral trainees will participate each fall as registered-for-credit in one of the following journal clubs; postdoctoral appointees are required to participate in the special topics courses, but not register for credit.

- Experimental Hematopoiesis Journal Club
- Cancer Biology Journal Club
- Hematology & Oncology Journal Club
- Student-Run Cell Biology Journal Club
- Cytoskeleton Discussion Group
- Cell Biology of Extracellular Matrix Journal Club
- Molecular Mechanism of Aging Journal Club
- RNA Biology Journal Club
- Chromatin, Epigenetics, Nuclear Organization Journal Club
- Structural Biology Journal Club
- Human Genetics Journal Club
- Cancer Informatics Journal Club

- Other journal clubs with the approval of Dr. Lee Ratner

Applicants cannot currently be supported by an NIH training grant

Pre doctoral Application

Complete application must include:

- Clearly list that you are applying for the pre doctoral Cancer Biology Pathway
- Name, social security number or birth date, address, academic program and year, citizenship, and racial/ethnic background
- Contact information (e-mail and telephone)
- CV or resume
- Name of the Siteman Cancer Center laboratory in which the student is or will be working
- One paragraph description of why the student is interested in the program
- One page description of the student's Ph.D. dissertation goals
- Recommendation letter from the faculty sponsor
- Recommendation letters from two other faculty members who served as laboratory rotation mentors
- Clear photocopy of student's Washington University identification badge
- Dates of completion of qualifying and preliminary dissertation examinations

Postdoctoral Application

Complete application must include:

- Clearly list that you are applying for the postdoctoral Cancer Biology Program
- Name, social security number or birth date, address, departmental affiliation and year, citizenship, and racial/ethnic background
- Contact information (e-mail and telephone)
- CV or resume
- Name of the Siteman Cancer Center Molecular Training Grant mentor in whose lab you are working
- One paragraph description of your interest in the program
- One page description of your current work in the laboratory
- Recommendation letter from the faculty mentor (on the Molecular Oncology Training Grant OR may be appointed to training grant faculty)
- Recommendation letters from 1) PhD mentor and 2) one other faculty member at either Washington University **OR** PhD university
- Clear photocopy of post doc's Washington University identification badge

Applications should be submitted/emailed by June 8, 2018 to:

Carrie Wehking, Siteman Cancer Center, Campus Box 8100

wehkingc@wustl.edu

Physical address: 4901 Forest Park Avenue, COH, 8th floor, suite 800

For questions about the program, e-mail Carrie Wehking; wehkingc@wustl.edu