

# IGPBS - CANCER RESEARCH (PHD AND MD/PHD)

## Curriculum

### Graduate Committee

*Dr. Joyce Solheim (Chair & Program Director), Dr. Jennifer Black, Dr. Pi-Wan Cheng, Dr. Jordan Rowley, Dr. Keith Johnson, Dr. Xu Luo, Dr. Aaron Mohs, Dr. Youri Pavlov, and Dr. Angie Rizzino*

The IGPBS - Cancer Research doctoral program provides broad-based training in all aspects of cancer biology, equipping students to use cutting-edge experimental approaches to address the molecular basis of cancer, as well as the means of enhancing the detection and treatment of cancer.

### General Requirements for PhD and MD/PhD students

- Completion of coursework.
- Completion of the comprehensive examination.
- Completion of a research project consistent with a PhD level of achievement.
- Completion and successful defense of a doctoral dissertation.
- Concurrence of the mentor and the student's Supervisory Committee.

### PhD Curriculum

For graduate students who have taken post-baccalaureate coursework at other institutions, the IGPBS - Cancer Research Graduate Committee will evaluate that coursework on an individual basis to determine the extent to which it is equivalent to required courses. If previous coursework is determined to be equivalent, the Graduate Committee will exempt the student from taking the required courses.

Code	Title	Credit Hours
GRAD 800	RESPONSIBLE CONDUCT IN RESEARCH TRAINING *	0
BIOS 806	BIostatISTICS	3
BISB 815	TOOLS AND ALGORITHMS IN BIOINFORMATICS	3
CRGP 880	PRINCIPLES AND METHODOLOGIES IN CANCER RESEARCH *	2-3
CRGP 896	RESEARCH OTHER THAN THESIS	1-9
CRGP 910	INTENSIVE TRAINING IN TRANSLATIONAL CANCER RESEARCH	3
CRGP 940	SHORT COURSE IN CANCER BIOLOGY	1
CRGP 970	SEMINAR	1-3
CRGP 998	SPECIAL TOPICS	1-4
CRGP 999	DOCTORAL DISSERTATION	1-15

\*Indicates course must be completed prior to Comprehensive Exam -MD/PhD see requirement listed below

### MD/PhD Curriculum

Upon successful completion of Phase 1 of the College of Medicine curriculum, MD/PhD students in IGPBS - Cancer Research must complete only the following courses.

Code	Title	Credit Hours
GRAD 800	RESPONSIBLE CONDUCT IN RESEARCH TRAINING *	0
CRGP 998	SPECIAL TOPICS	1-4
CRGP 940	SHORT COURSE IN CANCER BIOLOGY (every Summer)	1
CRGP 970	SEMINAR (every Fall and Spring )	1-3
CRGP 999	DOCTORAL DISSERTATION	1-15
<b>Elective (One course to be taken as credit or audit)</b>		

\*must be completed prior to comprehensive exam