

## **Guided Curriculum in Cancer Biology**

Please be aware that the UMDNJ Cancer Center currently holds an NIH supported training grant with possibilities for student support! We are very excited to share this news with prospective students.

Students with research interests in cancer biology should follow these curricular suggestions in addition to MBGC requirements:

Blocks 1 and 2: IBMS (5 credits total) GSND 5200Q

Blocks 1 and 2:

GSND 5235Q - Principles of Clinical and Translational Research in Oncology  
2 Credits, UMDNJ-GSBS

Course Director: Robert Wieder, MD, PhD, Associate Director for Clinical and Translational Research, NJMS-UH Cancer Center

2.25 hour classes, Mondays 6:00 – 8:15 PM, September 12 – December 12, 2011  
Cancer Center G-1196

Blocks 3 and 4: Cancer Biology MBGC 5015Q, 5020Q (2x2 cr)

Block 9: Introduction to Clinical Oncology (1)

### **Recommended electives might include:**

#### **(course numbers are incomplete, apologies)**

- Viruses, Cells and Disease BIOC5125Q (2 cr)
- Molecular and Cellular Immunology PATH 5210Q (3 cr)
- Animal Models on Human Disease GSND 5215Q (2 cr)
- Principles of Pharmacology CBNP 5020Q (2 cr)
- Introduction to Structural Biology (1 cr)
- Human Genetics MICR5045Q (2 cr)
- Methods in Stem Cells, Transgenics, Imaging Techniques (2 cr)
- Classic and 21<sup>st</sup> Century Pathogens TIII5620Q (2 cr)
- Protein Dynamics in Health and Disease MBGC 5030Q (2cr) Block 5
- Molecular Genetics of Model Organisms MBGC 5055Q (2 cr) Block 3
- Nucleic Acids MBGC5070Q, MBGC 5071Q (2x2 cr) Blocks 7 & 8
- Cellular Pathology PATH5100Q (2 cr) Block 8
- Signalling Mechanisms in Biological Systems MBGC 5220Q (2 cr) Block 5