



CANCER BIOLOGY PROGRAM NEWSLETTER

SPRING 2005

Announcements

- **Qualifying Exams** (Second-year Students): Thursday, February 10; 9-2, MRC 4084.
- **Interview Day for Fall 2005 Candidates:** Friday, March 11th
- **Marcie on Maternity Leave:** Anticipated mid-February through mid-April. Please welcome **Cathy Gaffney**, who will be providing program assistance in Marcie's absence.
- **Mentor Policy Revision:** The Education Committee voted to increase the lab limit to 3 students before requiring a PI to pay a student's tuition.
- **Fellowship Policy Approved:** If a student's fellowship provides a stipend in excess of the standard Cancer Biology stipend (\$20,000 for year 2004-2005) then the student will receive the entire amount of the fellowship stipend. If the fellowship stipend is equal to or less than the standard Cancer Biology stipend (\$20,000 for year 2004-2005) then the student will receive a stipend supplement of 10% over the standard Cancer Biology stipend but not to exceed the total amount of the fellowship.

Faculty

New Cancer Biology Faculty Members ~ Approved Fall 2004:

- Eric Haura, M.D.
- Jonathan Lancaster, M.D.
- Ji-Hyun Lee, Ph.D.
- Jong Park, Ph.D.

Visit the Cancer Biology Website at: <http://hsc.usf.edu/COM/iop/cancer/> for more information about these faculty members.

Courses

- *Current Topics in Cancer Biology*
 - A policy change has been approved which limits the class to second- and third-year students only.
- *Advances in Cancer Biology*
 - Update: For the semester during which students will be defending their dissertations, they will be excused from taking this course.

New Course for Fall 2005!

- *Selected Topics in Cancer Biology: Cancer Genetics*

This 4-credit course, to be taught by Alvaro Monteiro, will explore the field of cancer genetics through a combination of traditional lectures and analyses of case studies. The lectures will cover various concepts and methodologies. Concepts to be covered include penetrance, oncogenes, two-hit hypothesis, tumor suppressors, loss of heterozygosity, epidemiological studies, LOD scores, and risk assessment. Methodologies to be covered include: RFLP -> microsatellite markers -> SNPs, positional cloning, Representational Differential Analysis (RDA), Comparative Genomic Hybridization (CGH), spectral karyotyping, haplotype analysis, and somatic cell genetics to identify complementation groups. Case studies will revisit the concepts and methods above in light of actual data.

PRE-REQUISITES: Completion of GMS 6054: Cancer Biology I and GMS 6055: Cancer Biology II. Recommended selective for second-year students.

Students

If you haven't already done so, visit the website to see and learn more about our first-year students:

<http://hsc.usf.edu/COM/iop/cancer/students.html>

Some first-year students have already chosen their major professors: **Amy Samec** will be working with Dr. Sotomayor, **Alyson Fay** has chosen to work with Dr. Monteiro, and **Meghan Kreeger** will work with Dr. Guadagno.

Travel Awards

- **Scott Freeman** and **Jose Rodriguez** will be attending the Cellular Senescence Conference of the Keystone Symposium March 3- March 9, 2005 at the Keystone Resort in Colorado.

Publications

- **Scott Freeman:** Paper submitted and accepted; Correspondence Paper: Three Common MCL-1 Promoter Polymorphisms. *Journal of the National Cancer Institute.*