Do you want a full-immersion bioinformatics experience?

Are you curious about the origin, evolution, and physiological ecology of metabolic pathways?

...then take GENOMICS!!!

FALL 2010 BSC 4933  3 credits
BSC 4933L  1 credit
BSC 5931 (4 credits, graduate students)

We will be conducting comparative analyses of the genomes of microorganisms, many of which inhabit extreme environments.

The research objective of this course is for us to generate a publication-quality analysis comparing the metabolic pathways of microorganisms. As we do so, we will be mastering the use of multiple database analysis software packages for molecular biology that are widely used by genomics researchers.

Course prerequisites: B or better in:
BSC 2010, 2010L, 2011 and 2011L; CHM 2045, 2045L, 2046, and 2046L; PCB 3063
MCB 3030C (General Microbiology) is advantageous but not required

In addition to biology and microbiology graduate students, undergraduates are welcome to register with the permission of the instructor. Email kscott@cas.usf.edu for an appointment.