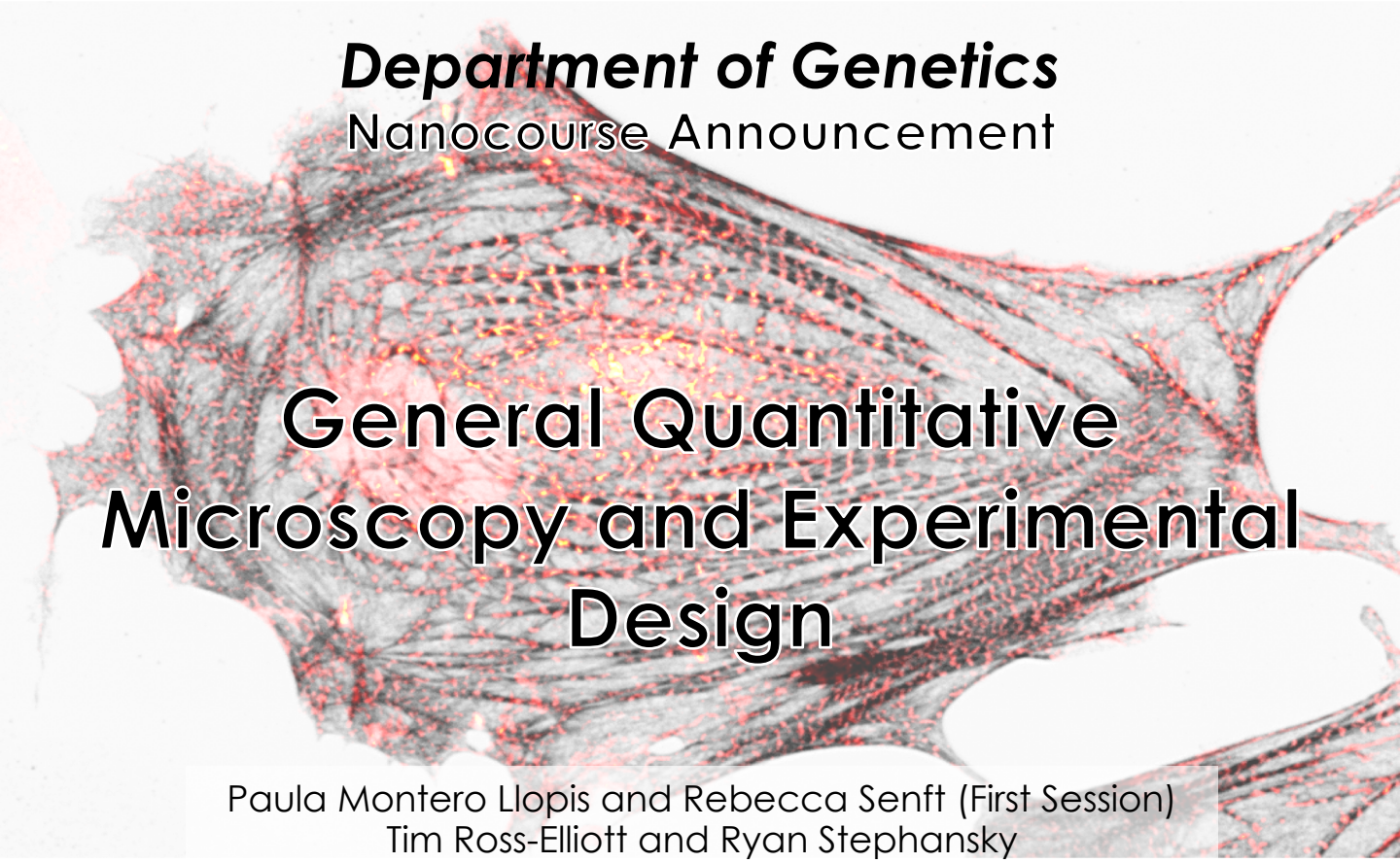

Department of Genetics

Nanocourse Announcement

General Quantitative Microscopy and Experimental Design

Paula Montero Llopis and Rebecca Senft (First Session)
Tim Ross-Elliott and Ryan Stephansky

Light Microscopy is currently a widespread tool for scientific discovery. Advances in this field including the development of brighter and better dyes and fluorescent proteins and techniques that go beyond the optical resolution limit have shaped the way scientist do science. Furthermore, the inherent quantitative nature of light microscopy makes it a powerful tool to solve biological problems in both live and fixed samples and really goes beyond a pretty picture.

SESSION 1: December 3rd 2-5 pm (open to everyone) Cannon Room, Building C

- Cover basic concepts in quantitative light microscopy and practical issues in fluorescence microscopy
- Emphasize experimental design and practical considerations when performing a microscopy experiment in order to improve data collection and reproducibility
- Analysis and discussion of case studies to implement the process of experimental design in microscopy

SESSION 2: December 10th 2-5 pm

- Discuss the most common modalities available to researchers in HMS
  (2-3 pm, open to everyone) Cannon Room, Building C
- Hands-on workshop on different microscopy modalities
  Only for registered participants

You can register for the nanocourse (you MUST register if you plan to attend the second session) at:
https://curriculumfellows.hms.harvard.edu/classes