CAMB 697: Biology of Stem Cells  
Course Directors: Paul Gadue and Pantelis Rompolas

Syllabus 2017
Class meets Mondays at 3:30 PM in BRB XXX. Class alternates between lectures given by the instructors and journal club presentations by the students.

Date   | Speaker  | Day | Class Type | Topic                           
-------|----------|-----|------------|--------------------------------- 
Sept 11th | First Class | MON |             | Organizational                  
Sept 18th | Dyment    | MON | Lecture    | Bioengineering                  
Sept 25th | Dyment    | MON | JC         | Bioengineering                  
Oct 2    | Gadue     | MON | Lecture    | ES and iPS Cells                
Oct 9    | Gadue     | MON | JC         | ES and iPS Cells                
Oct 16th | Anguera   | MON | Lecture    | Epigenetics of Stem Cells       
Oct 23rd | Anguera   | MON | JC         | Epigenetics of Stem Cells       
Oct 30th | Tong      | MON | Lecture    | HSCs                            
Nov 6th  | Tong      | MON | JC         | HSCs                            
Nov 13th | Vaughan   | MON | Lecture    | Lung Progenitors and Regeneration 
Nov 20th | Vaughan   | MON | JC         | Lung Progenitors and Regeneration 
Nov 27th | Anderson  | MON | Lecture    | Neuronal Stem Cells             
Dec 4th  | Anderson  | MON | JC         | Neuronal Stem Cells             
Dec 11th | Rompolas  | MON | Lecture    | Epithelial Stem Cells           
Dec 18th | Rompolas  | MON | JC         | Epithelial Stem Cells           

Description: The goal of this course is to introduce graduate students to the field of stem cell biology through lectures and reviews of important contributions from the literature. Topics include embryonic stem cells, epigenetics and reprogramming, tissue specific stem cells such as hematopoietic, neuronal and epithelial stem cells, tissue regeneration, and tissue engineering. The future potential and challenges in stem cell and regeneration biology will be discussed. Important aspects of stem cell identification and characterization utilizing multiple model systems will also be a focus. Offered Fall Semester. Limited to 14 students.