Special Topics Course:  
Gene Regulatory Networks for Development  
October 9-22, 2016  
Marine Biological Laboratory, Woods Hole, MA  
Deadline to Apply: July 29, 2016

A 10-day advanced course on gene regulatory systems as they pertain to development. Lectures will provide in depth analyses of well studied gene regulatory networks (GRNs) in both embryonic and post embryonic developmental systems; a comprehensive theory of developmental GRN structure and of the explanatory value of GRNs; and discussion of the rapidly growing area of GRN evolution. The practicals will include introduction and use of BioTapestry, the leading computational platform for representation of GRNs; outlines of kinetic analysis and GRN modeling, and relevant special topics in gene regulation as they pertain to development and evolution.

2016 Course Faculty:
Scott Barolo, University of Michigan  
James Briscoe, NIMR London  
Doug Erwin, Smithsonian Institution  
Bill Longabaugh, ISB, Seattle  
Dave McClay, Duke  
Roger Patient, Oxford  
Isabelle Peter, Caltech  
Rob Phillips, Caltech  
John Reinitz, University of Chicago  
Ellen Rothenberg, Caltech  
Trevor Siggers, Boston University  
Deborah Yelon, UC San Diego