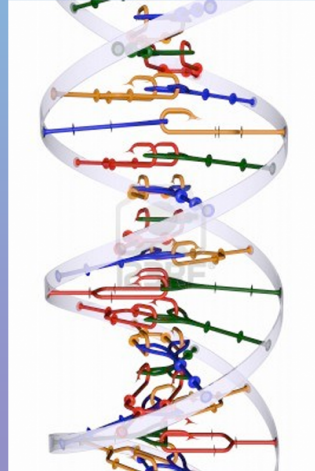


NEW COURSE!
Spring 2013

MCB 144

The Power and Pitfalls of Genetic Thinking



An advanced treatment of heredity, including genetic, epigenetic and evolutionary aspects, as manifested in organisms from bacteria to man. Emphasis will be placed on how analytical genetic thinking and approaches can be applied to fundamental biological questions. Basic principles of genetic analysis, genetical thinking and experimental analysis and diverse individual topics of interest with regard to the mechanisms of, and evolutionary bases for, inheritance will be considered in bacteria, yeast, plants, invertebrates and animals (including human). Suitable for students in either the physical or biological sciences. Prior knowledge of genetics will be very helpful but will not be essential for the motivated student. Combination of lecture, reading of the primary literature and class discussion.

Meeting Time: M., W., 12:00pm-1:30pm, NW 169

Instructors: Nancy Kleckner (MCB), David Haig (OEB)