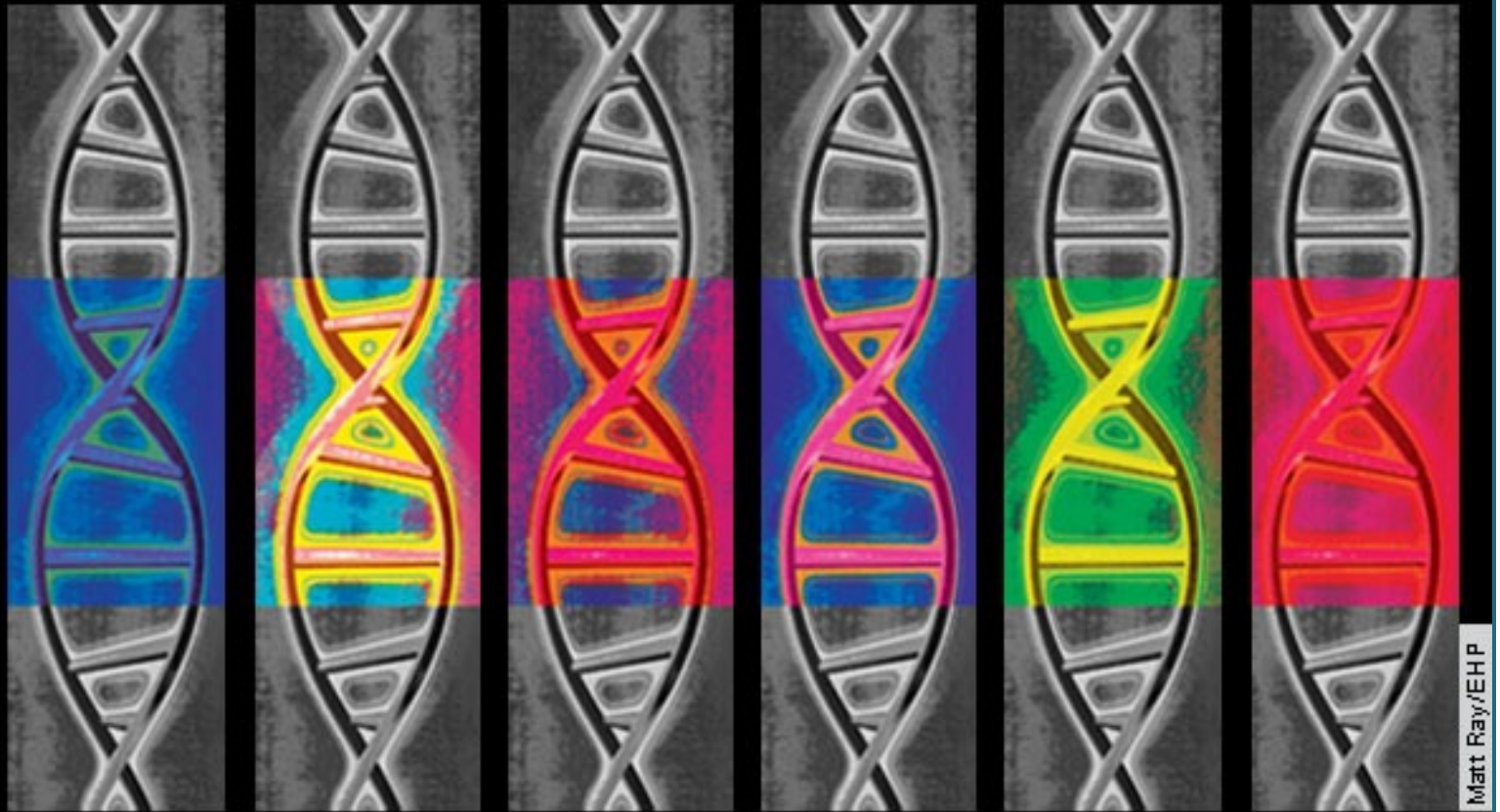


# *Fall 2025* BC225/NB230 Epigenetics in Health and Disease



Matt Ray/EHP

Chromatin structural organization plays critical roles in regulating genome functions. The course will explore the roles of epigenetics (histone and DNA modification, chromatin remodeling, and higher order chromatin structure) in human disorders, from cancers, metabolic diseases, developmental disorders, and neurodegenerative and behavioral disorders.

**This year, we have two guest speakers on spatial transcriptomics dynamics and 3D chromatin and nuclear structure organization!**

Instructors: Xing Dai, Wei Li, Selma Masri, Marcelo Wood, and Kyoko Yokomori

Guest UCI lecturers: Minji Byun, Dorota Skowronska-Krawczyk

Special speakers: Stanley Qi (Stanford Univ); Peter Verrijzer (Erasmus Univ.);  
Yodai Takei (Cal Tech)

Contact: Kyoko Yokomori (X48215, [kyokomor@uci.edu](mailto:kyokomor@uci.edu))

(Lecture followed by student presentation and discussion, letter grade)