BGGN 223: Graduate Genetics
M, W, F 9:30 AM- 11:30 AM
3500 Pacific Hall

M March 28: No class meeting (KP out of town)
W March 30: Kit Pogliano introduction to class goals, etc
           Laurie Smith, review Mendel and Morgan, molecular linkage
F April 1: Dean’s symposium: RNA: beyond the central dogma

M April 4: Laurie Smith, paper discussion (Lolle et al., LeMaire-Adkins)
W April 6: Kit Pogliano, Core concepts and discussion
F April 8: Muriel Nesbit, quantitative thinking in genetics
           Homework 1 handed out, due April 15.

M April 11: Kit Pogliano, Core concepts and discussion
W April 13: Jim Posakony, Developmental genetics 1
F April 15: Jim Posakony, paper presentation (Collins et al.)

M April 18: Kit Pogliano, Core concepts and discussion
W April 20: Jim Posakony, Developmental genetics 2
           11AM: San Diego Cell Biology Meeting.
F April 22: Jim Posakony, paper presentation (Shapiro et al.; KP out of town)
           Homework 2 handed out, due April 29.

M April 25: Kit Pogliano, Core concepts and discussion
W April 27: Yang Xu, Forward genetics in mice
F April 29: Yang Xu, paper presentation

M May 2: Kit Pogliano, Core concepts and discussion
W May 4: Yang Xu 2
F May 6: Yang Xu, paper presentation
           Homework 3 handed out, due May 13.

M May 9: (KP out of town)
W May 11: Muriel Nesbitt, Mammalian genomes and karyotype
F May 13: Muriel Nesbitt, Linkage and mapping

M May 16: Kit Pogliano, Core concepts and discussion
W May 18: Muriel Nesbitt, Imprinting
F May 20: Muriel Nesbitt, Cancer genetics
           Homework 4 handed out, due May 27

M May 23: Kit Pogliano, Core concepts and discussion
W May 25: Chris Workman (Trey Ideker lab): Computer-aided models of biological
           signaling and regulatory pathways
F May 27: TBA

M May 30 – holiday
W June 1: Steve Briggs: Genome wide map of expression QTLs in Arabidopsis.
F June 3: Amy Kiger: High-throughput RNA interference screens in Drosophila

Schedule is subject to change!
**Course Grade:**
Based on homework or written assignments, participation in paper discussions, and one paper presentation.

**Contacts:**
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**Papers:**
**Laurie Smith:**


**Jim Posakony:**