BICD 130 — Embryos, Genes, and Development

Winter 2010 Posakony

Lectures: Tuesday/Thursday, 9:30-10:50 a.m., Solis 104

Required Text: Scott F. Gilbert, *Developmental Biology*, Eighth Edition (2006)

Lecture #	Day/Date	Topic	Book Chapter(s)
1	Tu Jan 5	Introduction/Fertilization	7
2	Th 7	Fertilization/Cleavage	7, 8
3	Tu 12	Cleavage	8, 9, 10, 11
4	Th 14	Gastrulation I	8, 9
5	Tu 19	Gastrulation II	10, 11
6	Th 21	Development of vertebrate embryos I	12, 13
7	Tu 26	Development of vertebrate embryos II	12, 13
8	Th 28	Development of vertebrate embryos III	14, 15
9	Tu Feb 2	Cell adhesion, cell migration, and morphogenesis	3, 8, 10
	Th 4	MIDTERM EXAM (Lectures 1-8)	
10	Tu 9	Differential gene activity I	5
11	Th 11	Differential gene activity II	5
12	Tu 16	Cell-cell communication	6
13	Th 18	Axis specification and pattern formation I	8, 9
14	Tu 23	Axis specification and pattern formation II	10, 11
15	Th 25	Limb development	16
16	Tu Mar 2	Sex determination and dosage compensation	17
17	Th 4	The germ line	19
18	Tu 9	Medicine and development	21
19	Th 11	Evolution and development	23