

<u>Date</u>	<u>Topic</u>	<u>Lecturer</u>
Wed. 8/28	Organizational Meeting	<i>Steve DiNardo & Nancy Speck</i>
Mon. 9/2	NO CLASS LABOR DAY	
Wed. 9/4	Cell lineage and fate maps; Introduction to genetics	<i>Bushra Raj</i>
Fri. 9/6	Single cell analyses and cell fate	<i>Bushra Raj</i>
Mon. 9/9	Embryonic gene activation	<i>Matt Good</i>
Wed. 9/11	Induction of the primary germ layers	<i>Dan Kessler</i>
Mon. 9/16	Body plan formation: Gastrulation, germ layer formation and morphogenesis	<i>Peter Klein</i>
Wed. 9/18	Left-right patterning	<i>Dan Kessler</i>
Mon. 9/23	Morphogens in patterning	<i>Mary Mullins</i>
Wed. 9/25	Journal club discussion-1	
Mon. 9/30	Mouse molecular genetic models and approaches	<i>Patrick Seale</i>
Wed. 10/2	X chromosome inactivation in development	<i>Montserrat Anguera</i>
Mon. 10/7	Single Molecule Imaging, Nuclear Organization and Transcription	<i>Mustafa Mir</i>
Wed. 10/9	Journal club discussion-2	
Mon. 10/14	Principles of stem cells in development	<i>Chris Lengner</i>
Wed. 10/16	Modeling human development and disease using iPS cells	<i>Wenli Yang</i>
Mon. 10/21	Stem cell niches in development	<i>Steve DiNardo</i>
Wed. 10/23	NO CLASS IRM SYMPOSIUM	
Fri. 10/25	Skeletal development and mechanical cues	<i>Joel Boerckel</i>
Mon. 10/28	Journal club discussion-3	
Wed. 10/30	Cytoskeleton, cell shape and embryogenesis	<i>Nicolas Plachta</i>

Mon. 11/4	Signal processing - insights from Ciona, an invertebrate chordate	<i>Bradley Davidson</i>
Wed. 11/6	Journal club discussion-3	
Mon. 11/11	Tubulogenesis in worms	<i>Meera Sundaram</i>
Wed. 11/13	Metabolic regulation of development	<i>Patrick Seale</i>
Mon. 11/18	Biological rhythms and development	<i>Juan Alvarez</i>
Wed. 11/20	Journal club discussion-5	
Mon. 11/25	Retrotransposon reactivation in development and disease	<i>Andrew Modzelewski</i>
Wed. 11/27	NO CLASS	
Mon. 12/2	Hematopoietic stem cell formation and renewal	<i>Nancy Speck</i>
Wed. 12/4	Journal club discussion-6	
Mon. 12/9	Regeneration	<i>Faye Mourkioti</i>
Wed. 12/11	Journal club discussion -7	
Mon. 12/16	Review of problem set	
Wed. 12/18	Evo-Devo	<i>Steve DiNardo</i>

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Class Schedule:

BRB 1413

1:45-3:15 on Mondays and Wednesdays
(unless otherwise noted)

Students will have access to the canvas site. Please check on Canvas for changes/updates.