

Embryology 2016

Week 1

Saturday 4 June	6:30 PM meet in Swope Lobby; get dinner at local eatery	
Sunday 5 June	7:00 PM Reception & Dinner – 2 nd Floor Loeb Alejandro Sanchez & Richard Behringer – Welcome and overview Bring your posters	
Monday 6 June	Morning Lecture 9 am	Bernard Degan , Univ. of Queensland Animal origins
	Afternoon Lab 1:30 pm	MBL Orientation (1:30 pm), Safety, Marine Resource Center,
	Afternoon Lecture	Paul Maddox , Univ. North Carolina, Chapel Hill Microscopy
	Evening Lab 7:30 pm	Jon Henry , Univ. of Illinois, Urbana-Champaign Tool making Andres Collazo Caltech, Paul Maddox , Univ. of North Carolina
Tuesday 7 June	Morning Lecture	Athula Wikramanayake , Univ. of Miami Echinoderm development
	Afternoon Lab	Sea urchin
	Evening Lab	Sea urchin Confocal Microscope Training
Wednesday 8 June	Morning Lecture	David McClay , Duke Univ. Sea urchin development
	Afternoon Lab	Sea urchin, MBL Library
	Evening Lab	Sea urchin
Thursday 9 June	Morning Lecture	David Sherwood , Duke Univ. <i>C. elegans</i> cell behaviors & tissue morphogenesis
	Afternoon Lab	<i>C. elegans</i>
	Evening Lab	<i>C. elegans</i>
Friday 10 June	Morning Lecture	Bob Goldstein , Univ. of North Carolina Tardigrade development
	Afternoon Lab	Tardigrades
	Evening Lab	<i>C. elegans</i> , tardigrades
Saturday 11 June	Morning Lecture	Geraldine Seydoux , Johns Hopkins Univ. Rafferty <i>C. elegans</i> soma-germline dichotomy
	Afternoon Lab	<i>C. elegans</i> , tardigrades
	Evening Lab	<i>C. elegans</i> , tardigrades

Week 2

Sunday 12 June	Morning	Free Time
	Afternoon	Scavenger Hunt 4 pm
	Evening	Course Dinner – Eel Pond
Monday 13 June	Morning Lecture	Angelike Stathopoulos , Caltech Drosophila embryogenesis
	Afternoon Lab	Flies/Arthropods
	Evening Lab	Flies/Arthropods
Tuesday 14 June	Morning Lecture	Nipam Patel , UC Berkeley Arthropod development
	Afternoon Lab	Flies/Arthropods
	Evening Lab	Flies/Arthropods
Wednesday 15 June	Morning Lecture	Ruth Lehmann , Skirball Institute of Biomolecular Medicine Drosophila oogenesis
	Afternoon Lab	Flies/Arthropods
	Evening Lab	Flies/Arthropods
	Chalk Talk	Image Processing , Nipam Patel 8 pm
Thursday 16 June	Morning Lecture	Iswar Hariharan , UC Berkeley Tissue and organ growth control
	Afternoon Lab	Flies/Arthropods
	Evening Lab	Flies/Arthropods
	Evening Lecture	Neil Shubin , Univ. Chicago Vertebrate limb development & evolution
Friday 17 June	Morning Lecture	Matt Ronshaugen , Univ. of Manchester Regulatory RNAs
	Afternoon Lab	Flies/Arthropods
	Evening Lab	Flies/Arthropods
Saturday 18 June	Morning Lecture	Nipam Patel , UC Berkeley Butterfly wing patterning
	Afternoon Lab	Flies/Arthropods
	Evening 8 pm	Show 'n Tell 1

Week 3

Sunday 19 June	Free time	
	Evening Talk	Zebrafish lab orientation
Monday 20 June	Morning Lab	Zebrafish development
	Afternoon Lecture	Tatjana Piotrowski , Stowers Inst. for Medical Research Lateral line development
	Evening Talk	Frog lab orientation
	Evening Lab	Frog/zebrafish
Tuesday 21 June	Morning Lab	Frog/zebrafish
	Afternoon Lecture	Richard Harland , UC Berkeley Axis formation and neural induction
	Chalk Talk	Nick Rohner , Stowers Inst. for Medical Research Blind cave fish
	Evening Lab	Frog/zebrafish
Wednesday 22 June	Morning Lab	Frog/zebrafish
	Afternoon Lecture	Elke Ober , Univ. of Copenhagen Endoderm development
	Workshop	Imaris Training
	Evening Lab	Frog/zebrafish
Thursday 23 June	Morning Lab	Frog/zebrafish
	Afternoon Lecture	Ray Keller , Univ. of Virginia <i>Xenopus</i> gastrulation
	Evening Lab	Frog/zebrafish
Friday 24 June	Morning Lab	Frog/zebrafish
	Afternoon Lecture	David Grunwald , Univ. of Utah Genetic manipulations in zebrafish
	Evening Lab	Frog/zebrafish
Saturday 25 June	Morning Lab	Frog/zebrafish
	Afternoon Lecture	John Wallingford , Univ. of Texas, Austin Embryonic morphogenesis
	Evening Lab	Frog/zebrafish

Week 4

Sunday 26 June	Whale watching in Provincetown	
Monday 27 June	Morning Lecture	Jon Henry , Univ. of Illinois, Urbana-Champaign Spiralian development
	Afternoon Lab	Molluscs
	Evening Lab	Molluscs
Tuesday 28 June	Morning Lecture	Detlev Arendt , European Molecular Biology Laboratory <i>Platynereis</i> development
	Afternoon Lab	<i>Platynereis</i>
	Evening Lab	<i>Platynereis</i>
Wednesday 29 June	Morning Lecture	Elaine Seaver , Whitney Laboratory for Marine Bioscience, Univ. of Florida Annelid developmental diversity
	Afternoon Lab	<i>Capitella</i> , <i>Chaetopterus</i> , et al.
	Evening Lab	<i>Capitella</i> , <i>Chaetopterus</i> , et al.
Thursday 30 June	Morning Lecture	Matt Gibson , Stowers Inst. for Medical Research <i>Nematostella</i> development
	Afternoon Lab	<i>Nematostella</i>
	Evening Lab	<i>Nematostella</i>
Friday 1 July	Morning Lecture	Brigitte Galliot , Univ. of Geneva Hydra development and regeneration
	Afternoon Lab	Hydra
	Evening 8 pm	Hydra
Saturday 2 July	Morning Lecture	Alejandro Sánchez Alvarado , HHMI & Stowers Inst. for Medical Research Planaria embryogenesis and regeneration
	12 noon	Planaria
	Evening	Show 'n Tell 2 – 8 pm

Week 5

Sunday 3 July	Free time	
Monday 4 July	Free time	
	Noon	Woods Hole Parade
	Evening	BBQ and Fireworks
Tuesday 5 July	Morning Lecture	Andrea Streit , Kings College London Chick development and cranial sensory nervous system development
	Afternoon Lab	Chick
	Evening Lab	Chick
	9 pm	genesis Dinner - Shuckers
Wednesday 6 July	Morning Lecture	Richard Behringer , Univ. of Texas, MD Anderson Cancer Center Mouse development and organogenesis
	Afternoon Lab	Mouse
	Evening Lab	Mouse
Thursday 7 July	Morning Lecture	Claudio Stern , Univ. College London Chick neural development
	Afternoon Lab	Chick/mouse
Friday 8 July	Morning Lecture	Paul Trainor , Stowers Inst. for Medical Research Craniofacial development and disease
	Afternoon Lab	Chick/mouse
	Evening Lab	Chick/mouse
	Chalk Talk	Richard Schneider , Univ. of California, San Francisco Craniofacial development & evolution
Saturday 9 July	Morning Lecture	Lee Niswander , Univ. Colorado, Denver Neural tube morphogenesis
	Afternoon Lab	Chick/mouse
	Evening 5:30-7:00	Softball Game vs Physiology

Week 6

Sunday 10 July	Free time	
	Evening 7 pm	Student Fiesta
Monday 11 July	Morning Lecture	Bob Zeller , San Diego State Univ. Urochordate development
	Afternoon Lab	<i>Ciona</i>
	Evening Lab	<i>Ciona</i>
Tuesday 12 July	Morning Lecture	Chris Lowe , Stanford Univ. Hemichordate development
	Afternoon Lab	Hemichordates
	Evening Lecture	Mark Martindale , Whitney Laboratory for Marine Bioscience, Univ. of Florida
	Evening Lab	<i>Ciona</i> , hemichordates
Wednesday 13 July	Morning Lab	Ctenophores
	Afternoon Lab	<i>Ciona</i> , hemichordates, ctenophores
	Chalk Talk	Andrew Gillis , Univ. of Cambridge Sharks/skates/holocephalans
	Evening Lab	<i>Ciona</i> , hemichordates, ctenophores
Thursday 14 July	Morning lecture	Linda Holland , Scripps Institute of Oceanography Cephalochordate development
	Afternoon Lab	Amphioxus, <i>Ciona</i> , hemichordates
	Evening Lab	Amphioxus, <i>Ciona</i> , hemichordates
Friday 15 July	Morning Lecture	Dan Rokhsar , UC Berkeley Animal Genomes
	Afternoon Lab	Complete experiments/Lab clean-up
	Evening Lab	Complete experiments/Lab clean-up
Saturday 16 July	Morning	Richard Behringer , Univ. of Texas, MD Anderson Cancer Center; Alejandro Sánchez Alvarado , HHMI & Stowers Inst. for Medical Research
	Morning/afternoon	Lab clean-up
	Afternoon 4 pm	Show N' Tell 3
	Evening 8 pm	Course Party
Sunday 17 July	Departure	