

Tentative 2010 Woods Hole Embryology Schedule – Updated by Nipam on April 29, 2010

[Note: Evening Chalk Talks have not been added to this schedule]

Week 1

Sat, 12 June		6:30 PM meet in Swope lobby; grab dinner at Jimmy's
Sun, 13 June		9:30 AM All Courses Student Brunch at Swope Center 7:00 PM Reception & dinner – 2 nd floor Loeb Bring your posters
Mon, 14 June	Morning Lecture	[Nipam Patel] Key concepts in developmental biology
	Morning Lab	General orientation and MBL tour; Safety orientation
	Afternoon Lab	[Paul Maddox] Microscopy I: [Nipam Patel, Andres Collazo & Dave Matus] Cameras
	Evening Lab	[Jon Henry & Mark Martindale] Toolmaking [Maddox, Patel, Matus, & Collazo] Microscopy II
Tues, 15 June	Lecture	[Nicole King] Animal origins
	Afternoon Lab	Choanoflagellates & sponges 1
	Chalk Talk	
	Evening Lab	Choanoflagellates & sponges 2
Wed, 16 June	Lecture	[Mark Martindale] Cnidarians and Ctenophores Richard G. Kessel Lectureship
	Afternoon Lab	Cnidaria (Intro to injections)
	Chalk Talk	
	Evening Lab	Cnidaria 2
Thurs, 17 June	Lecture	[Joel Rothman] <i>C. elegans</i> 1
	Afternoon Lab	<i>C. elegans</i> 1
	Chalk Talk	
	Evening Lab	<i>C. elegans</i> 2
Fri, 18 June	Lecture	[Dave Sherwood] <i>C. elegans</i> cell migration
	Afternoon Lab	<i>C. elegans</i> 3
	MBL lecture	
	Evening Lab	<i>C. elegans</i> 4
Sat, 19 June	Lecture	[David Fitch] Nematodes: Evolution
	Afternoon Lab	<i>C. elegans</i> 5
	Chalk Talk	
	Evening Lab	<i>C. elegans</i> 6

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Week 2

Sun, 20 June	Morning	Student Choice
	Afternoon	Scavenger Hunt
	Evening	Group Dinner
Mon, 21 June	Lecture	[Iswar Hariharan] Intro to Drosophila development
	Afternoon Lab	Flies / arthropod
	Chalk Talk	
	Evening Lab	Flies / arthropod
Tues, 22 June	Lecture	[Iswar Hariharan] Drosophila growth regulation
	Afternoon Lab	Flies/ arthropod
	Chalk Talk	
	Evening Lab	Flies / arthropod
Wed, 23 June	Lecture	[Nipam Patel] Arthropods
	Afternoon Lab	Flies/ arthropod (plankton tow)
	Chalk Talk	
	Evening Lab	Flies/ arthropod
Thurs, 24 June	Lecture	[Matt Ronshaugen] Regulatory RNAs
	Afternoon Lab	Flies/ arthropod
	Chalk Talk	
	Evening Lab	Flies/ arthropod
Fri, 25 June	Lecture	[Celeste Berg] Drosophila oogenesis / ovary development
	Afternoon Lab	Flies/ arthropod
	MBL lecture	
	Evening Lab	Flies/ arthropod
Sat, 26 June	Lecture	[Nipam Patel] Lepidopteran Wing Patterning S. Meryl Rose Lectureship
	Afternoon Lab	Flies/ arthropod
	Evening	Show 'N Tell 1

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Week 3

Sun, 27 June		Whale watching trip in Provincetown
Mon, 28 June	Morning Lab	Ctenophore
	Afternoon Lecture	[John Wallingford] <i>Xenopus leavis</i>
	Chalk talk	
	Evening Lab	Ctenophore
Tues, 29 June	Lecture	[Ray Keller] <i>Xenopus</i> gastrulation
	Afternoon Lab	Frog
	Chalk Talk	[Fish lab Intro]
	Evening Lab	Frog
Wed, 30 June	Morning Lab	Fish
	Afternoon Lecture	[Sharon Amacher] Zebrafish
	Chalk Talk	[Andres Collazo] Ear development
	Evening Lab	Frog lab
Thurs, 1 July	Morning Lab	Frog/fish lab
	Afternoon Lecture	[Vicky Prince]
	Chalk Talk	
	Evening Lab	Frog/fish
Fri, 2 July	Morning Lab	Fish lab
	Afternoon Lecture	[Bruce Appel] Zebrafish neural development
	MBL lecture	
	Evening Lab	Frog/fish
Sat, 3 July	Lab	Frog/fish
	Afternoon Lecture	[Mike Shapiro] Sticklebacks Frog/fish
	Evening Lab	Frog/fish

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Week 4

Sun, 4 July		Parade
Mon, 5 July	Lecture	[Clare Baker] Chick neural crest
	Afternoon Lab	Chick
	Chalk Talk	Ethics Workshop: Ethical Treatment of Animals and Digital Images
	Evening Lab	Chick
Tues, 6 July	Lecture	[Lee Niswander] Chicken Limbs
	Afternoon Lab	Chick
	Chalk Talk	
	Evening Lab	Mouse
Wed, 7 July	Lecture	[Paul Trainor] Mice
	Afternoon Lab	Mouse
	Evening Lab	Chick/mouse
Thurs, 8 July	Morning lecture	[Richard Behringer] Mouse Genetics
	Afternoon lab	Chick/mouse
	Evening Lecture	
	Evening Lab	Chick/mouse (+bat, snake, lizard ??)
Fri, 9 July	Lecture	[Lori Sussel] Pancreas
	Afternoon Lab	Chick/mouse
	MBL lecture	
	Evening lab	Chick/mouse
Sat, 10 July	Morning lecture	[Lee Niswander] CNS/PNS/Stem Cells
	Afternoon lecture	Chick/mouse
	Evening	Show 'N Tell 2

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Week 5

Sun, 11 July	Morning & Afternoon	Student Choice
	Evening	Group Dinner: Student Created Fiesta
Mon, 12 July	Lecture	[Bob Zeller] Notochord and Nervous System Development in Ascidians
	Afternoon Lab	Ascidian
	Chalk Talk	
	Evening Lab	Ascidian (possibly start sea urchin)
Tues, 13 July	Lecture	[Dave McClay] Sea urchin development
	Afternoon Lab	Sea urchin
	Chalk Talk	
	Evening Lab	Sea urchin (or Ascidian/sea urchin)
Wed, 14 July	Lecture	[Billie Swalla] Hemichordates
	Afternoon Lab	Ascidian/sea urchin
	Chalk Talk	
	Evening Lab	Ascidian/sea urchin
Thurs, 15 July	Lecture	[Jon Henry] Spiralian
	Afternoon Lab	Crepidula/Cerebratulus/Squid
	MBL lecture	
	Evening Lab	Crepidula/Cerebratulus/Squid
Fri, 16 July	Lecture	[Alejandro Sanchez Alvarado] Planaria
	Afternoon lab	Planaria (start cutting for regeneration)
	MBL lecture	
	Evening Lab	Planaria
Sat, 17 July	Lecture	No lecture
	Afternoon lab	Marine collection, Crepidula/Cerebratulus/Squid
	Chalk Talk	
	Evening Lab	Crepidula/Cerebratulus/Squid

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Week 6

Sun, 18 July	Evening	BBQ
Mon, 19 July	Morning Lab	[Elaine Seaver] Annelids
	Afternoon Lecture	Annelids
	Chalk Talk	
	Evening Lab	Annelids (night lighting?)
Tues, 20 July	Lecture	[Janet Rossant] Embryonic Stem Cells Nancy S. Rafferty Lectureship
	Afternoon Lab	Planaria
	Chalk Talk	
	Evening Lab	Annelids
Wed, 21 July	Lecture	[Thomas Lecuit] <u>Lillie Auditorium</u> Katsuma Dan Embryology & Physiology Joint Lectureship
	Afternoon Lab	Planaria/annelids
	Chalk Talk	[Thomas Gregor] – Quantitative Analysis
	Evening Lab	Quantitative Analysis Lab
Thurs, 22 July	Lecture	[Jerry Crabtree] Epigenetic Regulation
	Afternoon Lab	Quantitative Analysis Lab
	Chalk Talk	
	Evening Lab	Planaria/annelids/quant. analysis
Fri, 23 July	Lecture	[Mike Levine] Conclusions
	Afternoon lab	Planaria/annelids/quant. analysis
	MBL lecture	Alejandro
	Evening Lab	Complete experiments/Lab cleanup
Sat, 24 July	Morning	Course Review
	Afternoon	Show N' Tell 3
	Evening	Party
Sun, 25 July		Departure