

Schedule for the Berkeley CryoEM Course

Hosted this year by Hitachi-HTA in Pleasanton, CA

June 18-27, 2009

Thurs. June 18		Group	Event	
7:00 - 9:00	Hitachi	ALL	Registration, Welcome Reception Outline of course, Introduction of students, faculty, manufacturers	
Fri. June 19	Room	Group	Event	Instructors
	TBA			
8:00 - 8:30		ABC	Orientation	Kent McDonald
8:30 - 11:00		ABC	Introduction to High Pressure Freezing - Group Demos	Kent McDonald
11:00 - 5:30		A +1/2 C	HPF -Wohlwend-style machines	Kent McDonald
		B +1/2 C	HPF - Leica EM Pact	Paul DeGeorge
noon - 1:00			lunch	
5:30 - 6:00		ABC	regroup	
Sat. June 20	Room	Group	Event	Instructors
8:30 - 3:00		A + 1/2 C	HPF - Leica EM Pact	Paul DeGeorge
		B + 1/2 C	HPF - Wohlwend-style machines	Kent McDonald
noon - 1:00			lunch	
3:00 - 4:00		ABC	Introduction to cryo-ultramicrotomes	Paul Webster & TBA
4:00 - 5:00		ABC	Introduction to Freeze Substitution	Kent McDonald
5:00 - 5:30		ABC	Begin Freeze Substitution run	Kent McDonald
5:30 - 6:00		ABC	regroup	
Sun. June 21	Room	Group	Event	Instructors
8:30 - 9:15		ABC	Cellular Tomography	Eileen O'Toole
9:15 - 10 :15		ABC	The Tokuyasu Technique	TBA
10:30 - 5:00		A	Introduction to Tomography	Eileen O'Toole
		B	Cryo-ultramicrotomy - Tokuyasu	Paul Webster
		C	Cryo-ultramicrotomy -vitreous	TBA
~12:15 - 1:00			lunch	
5:00 - 5:30			regroup	
Mon. June 22	Room	Group	Event	Instructors
8:30 - 9:30		ABC	Microwave Processing	Kent McDonald
9:30 - 10:30		ABC	Immunolabeling	Paul Webster
10:30 - 5:00		A	Cryo-ultramicrotomy - Tokuyasu	Paul Webster
		B	Cryo-ultramicrotomy - vitreous	TBA
		C	Introduction to Tomography	Eileen O'Toole
~12:15 - 1:00			lunch	

5:00 - 5:30			regroup	
Tues. June 23	Room	Group	Event	Instructors
8:30-3:00		A	Cryo-ultramicrotomy - vitreous	TBA
		B	Introduction to Tomography	Eileen O'Toole
		C	Cryo-ultramicrotomy - Tokuyasu	Paul Webster
~12:15 - 1:00			lunch	
3:00-4:30		ABC	infiltration and embedding of HPF-FS tissues	Kent McDonald - - Paul DeGeorge - others
4:30 - 5:00		ABC	regroup	
Weds. June 24	Room	Group	Event	Instructors
9:30-noon		ABC	Demos at Hitachi and Gatan	Hitachi & Gatan Staff
		ABC		
noon - 1:00		ABC	Lunch	
1:00 - 4:00		ABC	Free Time	
Thurs. June 25	Room	Group	Event	Instructors
8:30 - 9:30		ABC	IGL - on grid immunolabeling of Tokuyasu Sections	Paul Webster & TBA
9:30 -12:00		ABC	Remounting and/or Trimming Resin Blocks for Sectioning	Kent McDonald and others
			Blot, Dry and Poststain Grids from IGL	Paul Webster & TBA
12:00 - 1 :00			lunch	
1:00 -5:00		ABC	Sectioning of HPF resin blocks, post - staining, and microscopy of resin and Tokuyasu sections as they become available	All
5:00 - 5:30		ABC	regroup	
Fri. June 26	Room	Group	Event	Instructors
9:00 - 11:00		A	Microscopy of Samples	
		B	Microscopy of Samples	
		C	Revisit earlier techniques, prepare group presentation	
11:00 - 1:00		A	Microscopy of Samples	
		B	Revisit earlier techniques, prepare group presentation	
		C	Microscopy of Samples	
1:00 - 2:00		ABC	Lunch	
2:00 - 4:00		A	Revisit earlier techniques, prepare group presentation	
		B	Microscopy of Samples	
		C	Microscopy of Samples	
4:00 - 6:00		ABC	regroup and review course as a whole	
7:00 - 10:00			Dinner at TBA	
Sat. June 27	Room	Group	Event	Instructors
10:00 - 12:00		All	Presentations	All
12:00 - 13:00			lunch, prizes, and farewell	All