

visiopharm

Olympus Center Valley Training - February 9th - 12th 2010

Image Analysis Day 1

TUESDAY

Time	Duration	Subject	Teacher	Type
9.00	0:45	Introduction to Visiopharm Software	TBA	Lecture
10.00	1:00	Basic image acquisition using traditional microscopy / WSI	TBA	Exercise
11.00	1:00	Database structure and image import	TBA	Exercise
12.00	0:45	LUNCH		
12.45	0:45	Introduction to Digital Images	TBA	Lecture
13.45	0:45	Introduction to Image Segmentation	TBA	Lecture
14.45	0:45	Designing a complete image analysis protocol	TBA	Lecture
15.45	0:30	COFFEE		
16.15	1:00	Solving a basic image analysis problem	TBA	Exercise
17.15	0:45	Preprocessing: use of color components and filters	TBA	Lecture
18.00	-	End of Image Analysis Day 1		

Details may be subject to change

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Image Analysis Day 2

WEDNESDAY

Time	Duration	Subject	Teacher	Type
9.00	0:45	Recap of Tuesday's lectures	TBA	Lecture
10.00	1:00	Preprocessing: use of color components and filters	TBA	Exercise
11.00	0:45	Choosing the right segmentation method (classifier)	TBA	Lecture
12.00	0:45	LUNCH		
12.45	1:00	Choosing the right segmentation method (classifier)	TBA	Exercise
13.45	0:45	Postprocessing: use of prior knowledge to improve segmentation	TBA	Lecture
14.45	1:00	Postprocessing: use of prior knowledge to improve segmentation	TBA	Exercise
15.45	0:30	COFFEE		
16.15	0:45	Using Microimager for automated image acquisition	TBA	Lecture
17.00	1:00	Using Microimager for automated image acquisition	TBA	Exercise
18.00	-	End of Image Analysis Day 2		

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Stereology Day 1

THURSDAY

Time	Duration	Subject	Teacher	Type
9.00	0:45	Introduction to the framework of design-based stereology	TBA	Lecture
10.00	1:00	Basic image acquisition	TBA	Microscope Exercise
11.00	1:00	Stereological sampling using newCAST	TBA	Lecture
12.00	0:45	LUNCH		
12.45	0:45	Stereological sampling using newCAST	TBA	Virtual Slide Exercise
13.45	0:45	Overview of the primary stereological probes	TBA	Lecture
14.45	0:45	Cavalieri volume estimation	TBA	Virtual Slide Exercise
15.45	0:30	COFFEE		
16.15	1:00	Surface area estimation in lung tissue	TBA	Virtual Slide Exercise
17.15	0:45	Point sample intercepts for measuring volume distribution	TBA	Virtual Slide Exercise
18.00	-	End of Stereology Day 1		

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Stereology Day 2

FRIDAY

Time	Duration	Subject	Teacher	Type
9.00	0:45	Recap of Thursday's lectures	TBA	Lecture
10.00	1:00	Physical Disector	TBA	Virtual Slide Exercise
11.00	1:00	Optical Disector and Virtual Planes (length estimation)	TBA	Microscope Exercise
12.00	0:45	LUNCH		
12.45	1:00	Using Microimager for automated acquisition and offline analysis	TBA	Lecture
13.45	1:00	Using Microimager for automated acquisition and offline analysis	TBA	Virtual Slide Exercise
14.45	0:30	COFFEE		
15.15	0:45	Improving efficiency by image analysis assisted sampling	TBA	Lecture
16.00	1:00	Proportionator sampling	TBA	Exercise
17.00	1:00	Autodisector counting	TBA	Exercise
18.00	-	End of Day 2		

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