

## Summer training camp, 2017

Time: July 31 to Sep 1

### Summary:

The summer training camp is an intensive collaborative lab course held once every year. This year this course will take in about 20 students, mostly incoming graduate students from participating PIs' lab, but also highly motivated undergraduates. The course will run from July 1th to Sep 1, 5 days a week, and >8 hr a day. Final presentation will be held on September 5. By the end of the course, the students not only will know their fellow students very well, they will also learn some of the current neurobiology techniques. In the first week, basic neuroscience techniques, such as perfusion, gross anatomy of the brain, stereotaxic surgery techniques, frozen section, Nissl stain, immunohistochemistry of the brain sections, neuronal culture, and behavior methods will be taught. After this preparatory week, the following weeks will be divided into rotations, in 3-day blocks. There will be 5 rotations. In each station, one or two PI will be in charge. In these stations, there will be labs for calcium and voltage imaging of the culture cell, cellular electrophysiology, field potential recording in the brain slice, and functional brain imaging with animal PET and MRI. Hand-on experiments will be emphasized throughout.

### Faculties:

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**2017 Calender**

<b>August/September</b>					
MON	TUE	WED	THU	FRI	SAT
7/31	8/1	2	3	4	5
Am: Opening Pm: behavioral Lab	Behavioral Lab	General trainings, including cell culture, perfusion, histology, immunohistochem stereotaxic surgery & injection, and behavior lab			
7	8	9	10	11	
Histology	Rotation 1			<b>1<sup>st</sup> Student presentation</b>	
14	15	16	17	18	19
Rotation 2			Rotation 3		
21	22	23	24	25	
	Rotation 4			symposium	
28	29	30	31	9/1	
Rotation 5			Prepare for reesentation	2nd student presentation	