General Info

Experiment ID: ex100903_2SpOT.2
Date of Culture: 30 Jul 2010
Type of Culture: 2 Spinal Organotypic
Date of Lesion: 19 Aug 2010
Treatment: Rolipram
Date of Recording: 03 Sep 2010
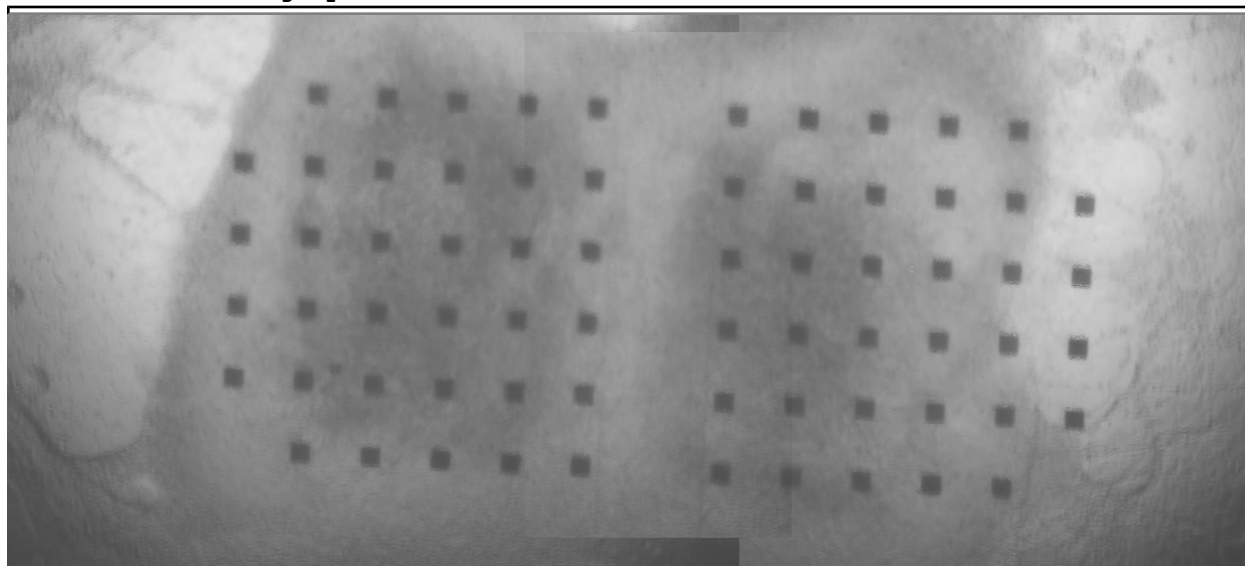
Recording Settings

Lots of the channels were pretty awful. I looked at the contacts and some
are chipped. The poor connection also probably has to do with uneven seating
of the array. I did my best to align a couple channels on each side.

Recording Channels:
9,32,35,36,37,38,39,41,42,43,44,45,46,47,48,49,50,51,53,54,56,57,59,60,61,62

1	x	62	59	56		55	52	49	x	46	
4	2	0	63	60	57	54	51	48	47	45	43
6	5	3	7	61	58	53	50	40	44	42	41
9	10	12	8	18	21	26	29	39	35	37	38
11	13	15	16	19	22	25	28	31	32	34	36
14	x	17	20	23		24	27	30	x	33	

Culture-MEA Photograph

Details

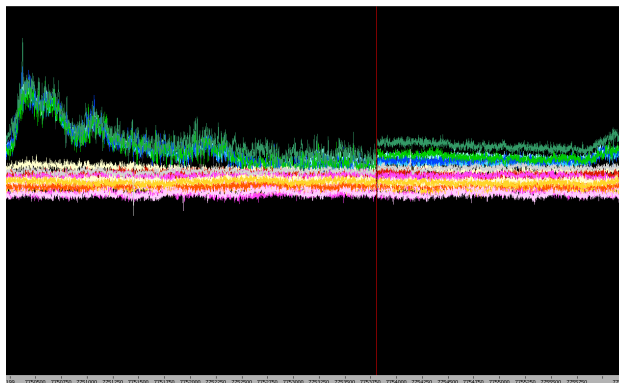For this experiment, all recordings were 10min long and saved in the directory D:/mingfaifong/Experiments/ex100903_2SpOT.2/

Real Time	Treatment	Filename	Notes
	normal extracellular solution	DATA0.SCL	the drift on left side is ridiculous, but activity still visible; beautiful activity on right side
	normal extracellular solution	DATA01.SCL	toward middle of recording, the crappy drift on left side disappears. recording now looks very nice, though activity does not appear to be correlated
13:24-13:34	1uM strychnine, 10uM gabazine	DATA02.SCL	nice bursting in both slices; no apparent synchronization
13:43-13:53	1uM strychnine, 10uM gabazine, 10uM CNQX, 50uM APV	DATA03.SCL	

Examples of Asynchronous Behavior

NOTE: Left side is coded with cool colors (green, blue, purple, grey) and right side of coded with warm colors (yellow, orange, red, pink)

burst on left (during disinhibition):   burst on right (during disinhibition):