Ming-fai Fong
06 Sep 2010

General Info

Experiment ID: ex100906_2SpOT.1
Date of Culture: 30 Jul 2010
Type of Culture: 2 Spinal Organotypic
Date of Lesion: 19 Aug 2010
Treatment: Rolipram
Date of Recording: 06 Sep 2010

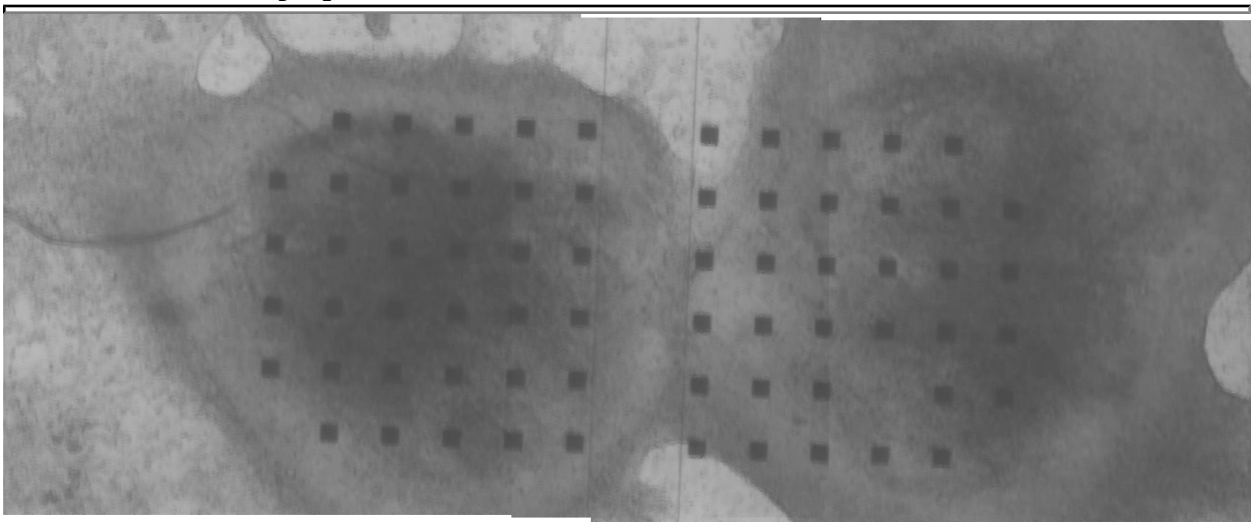
Recording Settings

Recording Channels:
0,1,2,3,4,5,6,8,9,10,11,12,13,14,16,17,19,20,25,26,27,28,29,30,33,34,35,36,37,38,39,41,42,43,44,48,49,50,51,56,57,58,59,60,62

	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		

note: channels 1, 2, 3, 5, 11 were really noisy... these channels should be removed during analysis.

Culture-MEA Photograph



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Details

Unless otherwise noted, all recordings were 10min long and saved in the directory D:/mingfaifong/experiments/ex100906_2SpOT.1/

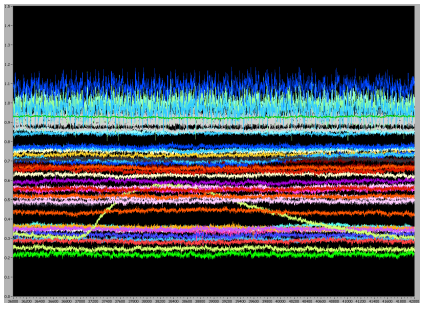
Real Time	Treatment	Filename	Notes
11:01-11:11	normal extracellular solution	DATA0.SCL	recording was about a minute too long because i forgot to set timer; activity on both sides but w/o apparent synchrony
11:13-11:23	normal extracellular solution	DATA01.SCL	activity on both sides but w/o apparent synchrony; some 60Hz crap around 400sec; some channels had a much higher baseline noise than the others--look out for these during analysis
11:40-11:50	1uM strychnine, 10uM gabazine	DATA02.SCL	same problem with noisy channels; see images below
11:58-12:58	1uM strychnine, 10uM gabazine, 10uM CNQX, 50uM APV	DATA03.SCL	same problem with noisy channels; see images below

Noise Problems

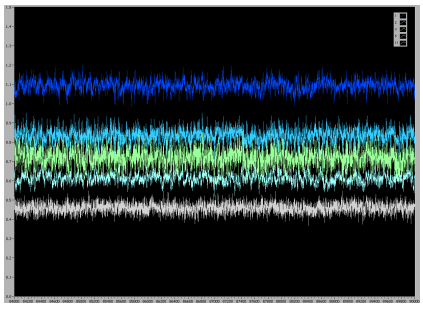
Channels 1, 2, 3, 5, 11 had a much higher baseline noise than the others. Be sure to look out for this during analysis.

This is how recording looked for...

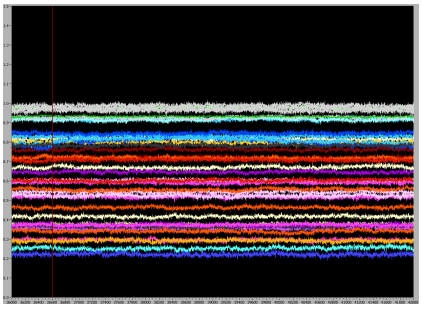
all selected channels:



channels 1, 2, 3, 5, 11:



channels 1, 2, 3, 5, 11 removed:



(in rightmost trace, the light grey band at top is multiple channels with same color slightly offset from each other, not a noisy channel)