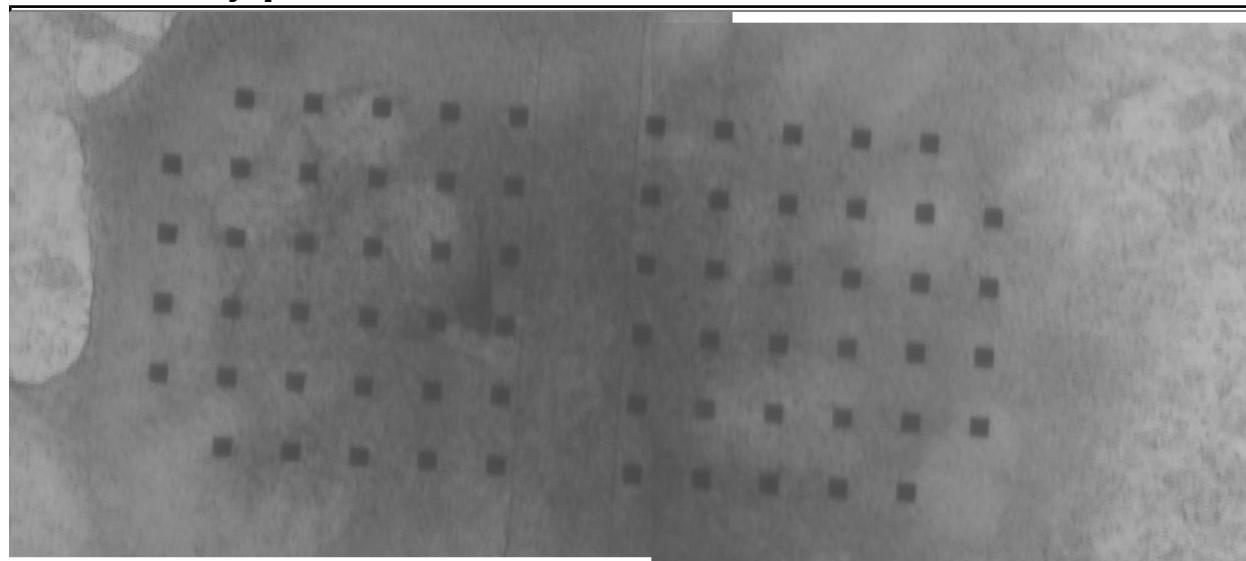## General Info

Experiment ID: ex100923_2SpOT.2
Date of Culture: 18 Aug 2010
Type of Culture: 2 Spinal Organotypic
Drug Applied: TTX
Date & Time Applied: 21-Sep-2010, 15:00
Date & Time of Recording: 23-Sep-2010, 17:02

Recording Settings

Recording Channels: 3,4,6,8,9,10,11,14,15,17,18,19,20,21,22,24,25,26,27,28,29,30,32,33,34,
35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,57,58,59,60,61,62,63

	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

Unless otherwise noted, all recordings were 10min long and saved in the directory D:/mingfaifong/
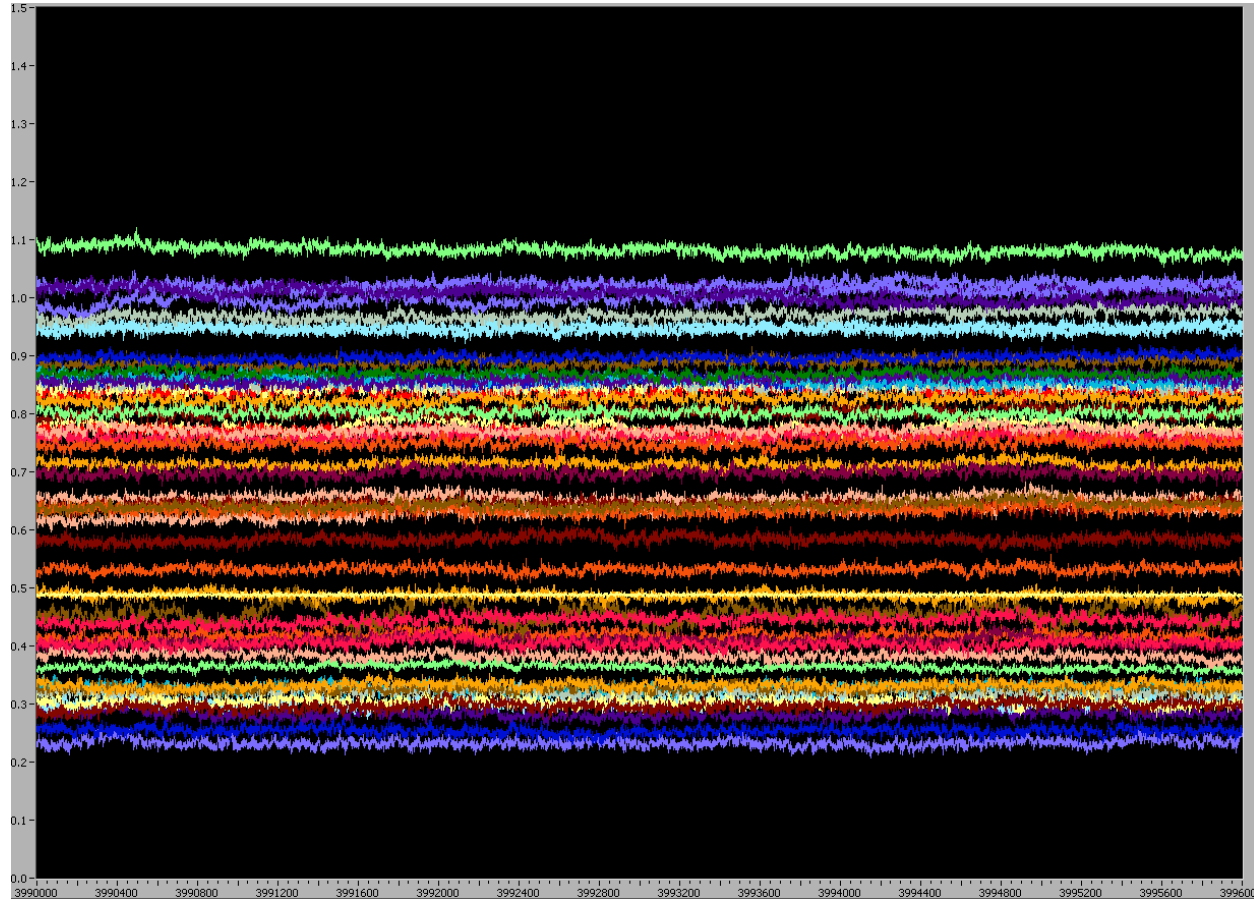experiments/ex100923_2SpOT.2/

Real Time	Treatment	Filename	Notes
17:02-17:12	0.5uM TTX	DATA0.SCL	took a while to get good channels. settled on a distribution that missed about
17:30-17:40	normal extracellular solution	DATA01.SCL	didn't both to do two initial recordings because i messed around with this guy a lot in the beginning to try to get more channels, so it's been in recording solution for a while. also, i'm now doing a 5-minute 0.5uM TTX section at the end for spike detection validation.

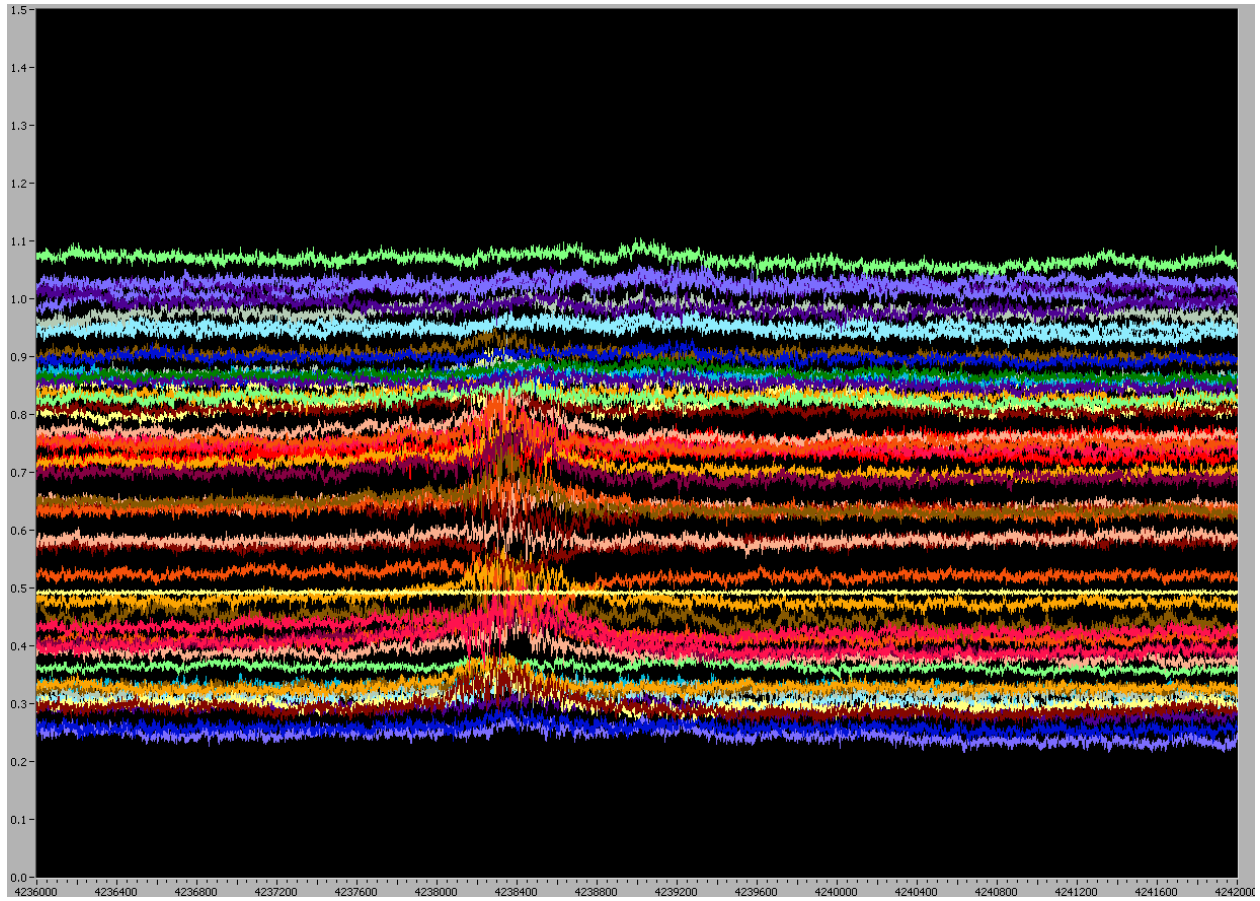|			
			washed three times, 3 rinses per wash, 5-7min between washes; saw bursting come back after second wash but did a third anyway
17:44-17:54	normal extracellular solution	DATA02.SCL	I got a bit paranoid that the washes didn't completely remove the TTX because bursts were still pretty low amplitude and i didn't see any uncorrelated spiking... so i washed again and will do two more 10 min recordings. Burst amplitude is higher and I'm seeing more spiking outside of bursts.
17:56-18:06	normal extracellular solution	DATA03.SCL	Still looks good! I'm happy I decided to do that fourth wash.
18:05-18:15	0.5uM TTX	DATA04.SCL	nada

Screenshots

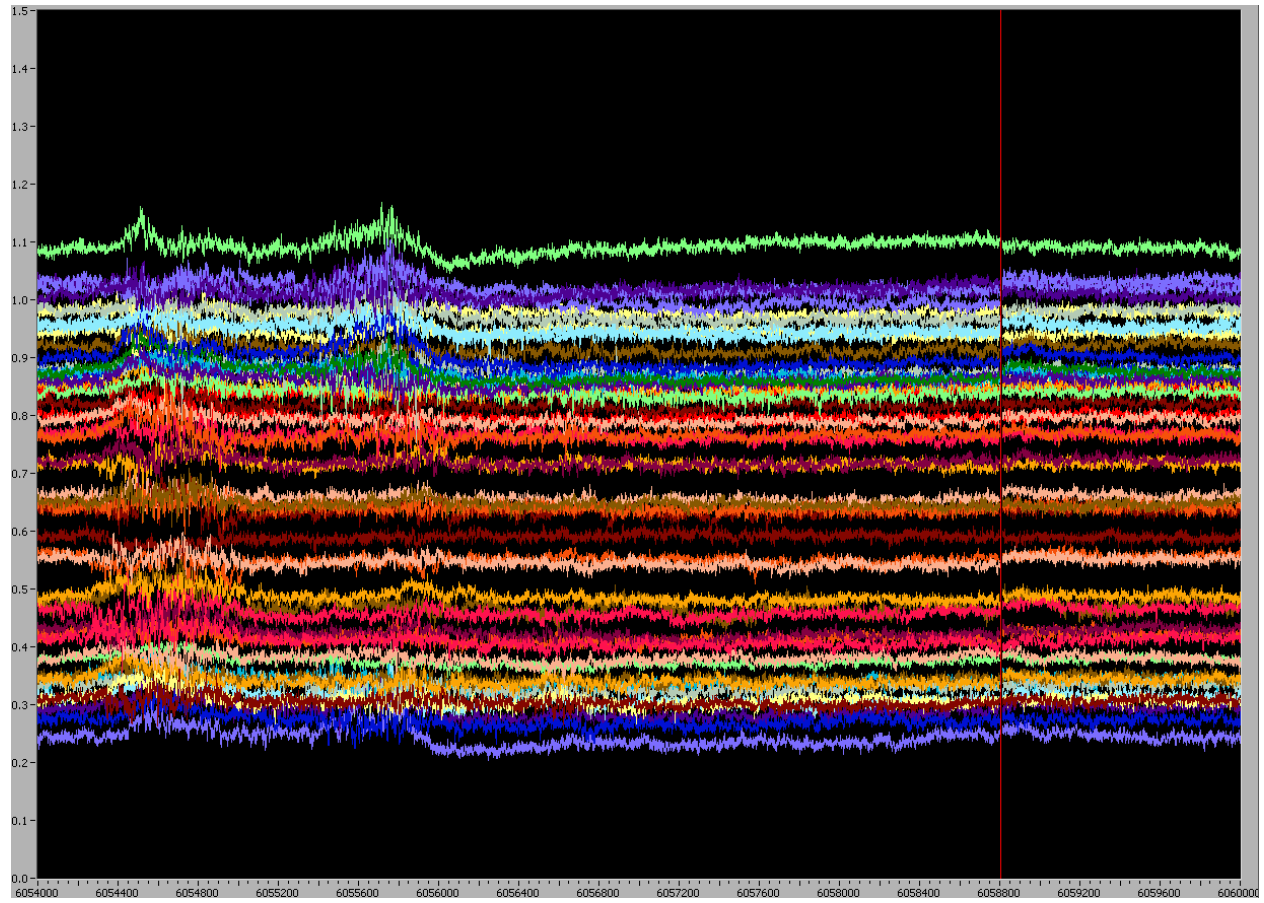I took some screenshots to document how the culture was behaving after each TTX wash.

after wash #1:

after wash #2:

after wash #3:

after wash #4:

ex100923_2SpOT.2