S3 Table

S3 Table A

ACC							
Ipsilateral				**Contralateral**			
	control	**5 μM 5-HT**	**washout**		**control**	**5 μM 5-HT**	**washout**
	Latency (ms)	Latency (ms)	Latency (ms)		Latency (ms)	Latency (ms)	Latency (ms)
Slice #1	62.33	71.18	63.25	Slice #1	140.62	209.77	157.25
Slice #2	47.38	56.62	49.12	Slice #2	121.60	216.85	148.8
Slice #3	43.99	56.74	42.75	Slice #3	87.50	119.08	92.43
Slice #4	47.27	62.75	51.05	Slice #4	74.03	80.79	74.35
Slice #5	22.08	33.47	23.35	Slice #5	89.07	114.10	88.15
Slice #6	42.21	49.06	42.90				
Slice #7	36.50	39.58	36.10				
Slice #8	29.64	38.84	28.25				

S3 Table B

RSC							
Ipsilateral				**Contralateral**			
	control	5 µM 5-HT	washout		control	5 µM 5-HT	washout
	Latency (ms)	Latency (ms)	Latency (ms)		Latency (ms)	Latency (ms)	Latency (ms)
Slice #1	26.03	29.25	29.25	Slice #1	41.71	53.08	41.95
Slice #2	33.02	40.12	40.12	Slice #2	39.10	46.88	42.12
Slice #3	35.98	42.05	42.05	Slice #3	30.73	52.66	29.75
				Slice #4	63.25	70.32	62.50

S3 Table C

	Ipsilateral				Contralateral		
ACC							
	control	5 µM 5-HT	washout		control	5 µM 5-HT	washout
	Latency S.D. (ms)	Latency S.D. (ms)	Latency S.D. (ms)		Latency S.D. (ms)	Latency S.D. (ms)	Latency S.D. (ms)
Slice #1	1.4	2.6	1.82	Slice #1	1.63	3.08	1.93
Slice #2	0.54	1.07	0.7	Slice #2	1.47	2.43	2.31
Slice #3	0.29	0.61	0.41	Slice #3	1.46	2.64	n.d.
Slice #4	1.07	2.01	1.17	Slice #4	4.45	12.13	6.01
Slice #5	0.18	0.46	0.36	Slice #5	4.31	13.03	5.68
Slice #6	0.28	0.46	0.4	Slice #6	1.57	3.93	2.35
				Slice #7	2.81	7.02	3.55

S3 Table.

Effect of the application of 5 µM 5-HT on the latencies of the synchronous discharges recorded in the anterior cingulate cortex (ACC) and the retrosplenial cortex (RSC). **S3 Table A**, Effect of the application of 5 µM 5-HT in Anterior Cingulate Cortex slices (values averaged and shown in figure 5C, upper panel, of the man text). Data in ms; n = 8 slices (ipsilateral), n = 5 slices (contralateral). **S3 Table B**; Effect of the application of 5 µM 5-HT in Retrosplenial Cortex slices ((values averaged and shown in figure 5C, lower panel, of the main text). Data in ms; n = 3 slices (ipsilateral), n = 4 slices (contralateral). **S3 Table C**; Effect of the application of 5 µM 5-HT on the standard deviation (S.D.) of the synchronous responses recorded in Anterior Cingulate Cortex slices ((values averaged and shown in figure 5D of the main text). Data in S3 Table C are the S.D. of the latencies measured in 10 consecutive responses for each condition; n = 6 slices (ipsilateral), n = 7 slices (contralateral).