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Title: Microelectrode array analysis of hippocampal network dynamics following theta-burst stimulation *via* current source density reconstruction by Gaussian interpolation

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1	Manuscript Highlights
2	
3	 Current source density mapping provides a finer-grained and more direct proxy for neural
4	firing than the voltage density analyses currently ubiquitous in the field of neural
5	electrophysiology.
6	 The total sink values calculated by the current source density map showed a positive
7	relationship over several cases with the more conventional analysis of whole-tissue
8	activation pre- and post- stimulation, suggesting their root in a common phenomenology.
9	 Our current source density analysis method was sensitive enough to uncover not only
10	regional but also inter-individual differences in network response to TBS, even while
11	demonstrating commonalities among the multiple cases to which it was applied.
12	

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