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| **Main Priority**  Hypothesis: | | | |
| **#** | **Topic** | **Description** | **Date Closed** |
|  | Tissue coverage? | * Light beam diameter * Area of brain to activate/inhibit |  |
|  | What frequency/duration for inhibition? | Region specific, state-specific |  |
|  | NatNeuro paper on Arch/Halo | * Biophysical constraints of optogenetic inhibition at presynaptic terminals * When does inhibition become excitatory? |  |
|  | Thy1-ArchT in cortex? | * What papers? * Inhibiting the Activity of CA1 Hippocampal Neurons Prevents the Recall of Contextual Fear Memory in Inducible ArchT Transgenic Mice |  |
|  | Thy1-arch or thy1-halo in one cassette? | * None found |  |
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| **Lower Priority** | | | |
| **#** | **Topic** | **Description** | **Date Closed** |
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