**AGENDA RED = current state**

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| **#** | **TOPIC** | **DESCRIPTION** | **OWNER** |
|  | PS19 Chronic sleep disruption | status update (Ward’s ppt)  stain on slide: mini test of TH with WT sections  Iba1-DAB on cortex (SD vs adlib): what cortical areas to compare?  AT100-DAB (SD vs adlib): what has Mickael done? When/where to expect it?  ThioS-DAB (SD vs adlib): What age does it start? And what positive control?  2 mo PS19+ (adlib): is there AT8 in the brainstem?  perfuse 10 month old for positive control (11mo = 7/27/17)  longitudinal rec: do spindles change with age? (also sleep quality measures) |  |
|  | Optogenetics experiment | While depth electrode has lots of noise (shitty surgery most likely), verified stim at 40 Hz (see attached pic).  Get depth electrodes (5x)  Implant to TRN in new ChR2 (3x)  Baseline, insert blue LED  Test 40 Hz |  |
|  | huSpindle-tau paper | spindle property and CSF tau correlations  spindle property literature search: mechanistically, how tau can alter density, duration. Ie. neuronal electrophysiological properties: resting membrane potential, input resistance, intrinsic excitability, and effects on T-type calcium channels and K+ channels that contribute to spindle generation  SWA QA: 0.7 R corr |  |
|  | msSpindle-rotarod paper | spindle property and CSF tau correlations  spindle property literature search: mechanistically, how tau can alter density, duration. Ie. neuronal electrophysiological properties: resting membrane potential, input resistance, intrinsic excitability, and effects on T-type calcium channels and K+ channels that contribute to spindle generation  SWA QA |  |
|  | rpS6 and rotarod paper | Figure layout  first draft |  |
|  | Gist learn: F-B rotarod | recap results  cFos anterior cortex  inhibit anterior cortex in NREM/REM/W… |  |
|  | Mouse VR Maze | Implant headposts (5x)  force forward rotation (locomotion)  deliver peanut oil with arduino  Software:  UE4 to blink LED? |  |
|  | IACUC | New IACUC for PS19 mice, sleep disrupt, food restrict for training (VR and mototrak) |  |

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| **ON DECK** | | | |
| **#** | **TOPIC** | **DESCRIPTION** | **DATE CLOSED** |
|  | GRANTS | Korey: F32  Andrew: R01 |  |