**AGENDA RED = current state**

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| **#** | **TOPIC** | **DESCRIPTION** | **OWNER** |
|  | SLEEP recap | Andrew’s, Ward’s, Korey’s take-aways from the meeting | ALL |
|  | Chronic sleep disruption | Sleep disrupt mice and perfuse/fix  SECTIONING (1.5 of 4 brains, both coronal and sagittal)  Then staining with comparison from Mickael’s 4 mo PS19 (Mickael lead)  Then imaging (Mickael lead)  status update (Ward’s ppt)  Determine next batch: 1. IF: costain (AT8-green, TH-red, DAPI)  Inquire about Iba1 | Ward |
|  | 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 | Korey |
|  | Spindle-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 | Korey/Andrew |
|  | rpS6 and rotarod paper | Figure layout  first draft | Andrew |
|  | Mouse VR Maze | Method 1  Implant headposts (2x)  Make track ball apparatus  Can mice run on it?🡪could not motivate to move forward, let alone run  Method 2 (advantage, way less stress) use exercise ball instead of head fixed styrofoam ball.  Verify that optical mouse tracks rotation  Test if run forward with endless corridor loop on LCD motivates running.  Test forced rotation as training to run  Software:  Verify arduino-UE4 link to initiate reward | Korey |
|  | 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 |  |