**AGENDA RED = in process**

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| **#** | **TOPIC** | **DESCRIPTION** | **OWNER** |
|  | Grants | Andrew’s R01 (March 26) |  |
|  | “Always be SDing” | Currently: 4to6month SD: 4 PS19 males, 4 PS19 females done 8wks on 4/5/18  On deck: | Kaitlyn/Ward |
|  | LC project | LC inject tau-GFP: done 9 animals 🡪 sac 1 on 1/18/18, GFP expression?  LC inject YFP: hit LC? yes🡪 animals for FACS/rtPCR (Mickael)  DIO-hTauP301L AAV: Paramita making virus, | Korey |
|  | PS19 chronic sleep disruption | tau IHC (T-tau, AT8, AT100, ThioS):  Patho collab: cut, H/E, AT8  longitudinal: acquire WT recs and aged recs, manual stage,  SDC rec: manual stage | Ward/Korey |
|  | Suvorexant project | review, submit Kaitlyn’s proposal  design/acquire materials for project  Ilastik: automated video analysis for sleep/wake | Kaitlyn |
|  | cFos staining | Sectioning: 4/4  10hr SD 🡪 cFos  1 session RR 🡪 cFos  sleep 🡪 cFos | Ward |
| **PAPERS** | | | |
|  | msSpindle-rotarod paper | manuscript outline (SLEEP):   1. Spindle and slow oscillations 2. Spindle occurrence is transiently elevated in early NREM sleep compared to baseline 3. Spindle characteristics are not different in sleep after learning compared to baseline 4. Spindle-slow oscillation coupling and counts correlated with D2/D1   Andrew’s feedback: recalc using slow oscillation for all 11 animals | Korey |
|  | huSpindle-tau paper | Korey regression  Andrew discussion  Ricardo compile feedback, submit | Korey |
|  | rpS6 and rotarod paper | manuscript draft.  manuscript submission. | Andrew |
|  | Gist learn: F-B rotarod paper | manuscript outline  Target: SciReports, | Ward |
| **OTHER** | | | |
|  | Optogenetics experiment | Inject Chr2/Arch/Halo to LC of TH-cre | Korey |
|  | Motor learning: tone reactivation | Do pilot run (5x/group).  ppt of results from Rebecca  consider single-subject exp design: record sleep, play tone recording during NREM sleep manually | Rebecca |
|  | Clear brain | clear WT brain  Immunolabel TH🡪 clear 🡪 image  Immunolabel hTau🡪 clear 🡪 image | Korey |
|  | IACUC | New IACUC for PS19 mice, sleep disrupt, suvorexant | Korey |

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| **#** | **TOPIC** | **DESCRIPTION** | **OWNER** |
|  | Mouse VR Maze | test freely moving with touchpad  link beep/milk delivery to screen | Korey |
|  | Aggression | analyze videos of aggression  design of experiment |  |