**AGENDA RED = in process**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **TOPIC** | **DESCRIPTION** | **OWNER** |
|  | Grants | Andrew’s AARG  Korey (0/7 🡪 go for papers) |  |
|  | “Always be SDing” | Currently:  1. 4-6mo SD (PS19 8x): Sack on 4/5/18, keep brains and bodies  2. 2-4mo SD (PS19&C57, 10x, Cohort #1): start on 3/29/18, Done on 5/25/18. Use for RR/Barnes at 6 (7/29), 8 (9/29), 10mo (11/29)  On deck: More 2-4mo for Cohort #2 | Kaitlyn/Ward |
|  | LC project | LC inject tauP301L-GFP: done 9 animals 🡪 sac 1 on 1/18/18, MISS 🡪 sac 1SD&1adlib at 3mo (2/21), 6mo (5/21), 12mo (11/21)  LC TH-cre: FACS purify myelin  DIO-hTauP301L AAV: Paramita making virus, | Korey |
|  | PS19 chronic sleep disruption | tau IHC (T-tau, AT8, AT100, ThioS): Crary lab mtg on 4/4, AT8 more adjacent slides  longitudinal: acquire WT recs, assess spindle-SO properties  SDC rec: manual stage | Ward/Korey |
|  | Suvorexant project | learn gavage/jelly feeding  Merck MTA  Ilastik: automated video analysis for sleep/wake  Schedule and do experiment. Take videos | Kaitlyn |
|  | cFos staining | LC compare of SD vs adlib (R01)  1 session RR 🡪 cFos | Ward |
|  | Clear brain | TH🡪 clear 🡪 image  try DBH or NET 🡪 clear 🡪 image  try AT8 or Ttau 🡪 clear 🡪 image | Korey |
| **PAPERS** | | | |
|  | msSpindle-rotarod paper | analyze newest 4x females   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: meet by 4/15 | Korey |
|  | huSpindle-tau paper | Ricardo compile feedback, submit to JAMA Neuro | Korey |
|  | rpS6 and rotarod paper | manuscript submission. | Andrew |
|  | Gist learn: F-B rotarod paper | manuscript outline  Target: SciReports, | Ward |
|  |  |  |  |
| **OTHER** | | | |
|  | Optogenetics experiment | Inject in LC of TH-cre+implant. Plan this | Korey |
|  | DREADDs | Inject in LC of TH-cre+implant. Plan this |  |
|  | Motor learning: tone reactivation | consider single-subject exp design: record sleep, play tone recording during NREM sleep manually | Rebecca |
|  | IACUC | New IACUC for PS19 mice, sleep disrupt, suvorexant | Korey |

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **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 |  |