**AGENDA RED = in process**

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| **#** | **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, keep brains and bodies  2. Cohort #1: start on 3/29, Done on 5/25. Use for RR/Barnes at 4mo (5/25), 6mo (7/29), 8mo (9/29), 10mo (11/29)  3. **Cohort#3 on 5/9, end 7/5**: Use for RR/Barnes at 4mo (X/XX), 6mo (X/XX), 8mo (X/X), 10mo (XX/XX)  On deck: | Kaitlyn/Ward |
|  | LC project | LC inject tauP301L-GFP: done 9 animals 🡪 sac 1 on 1/18, MISS 🡪 sac 1SD&1adlib at 3mo (2/21), 6mo (5/21), 12mo (11/21)  LC TH-cre: FACS purify myelin  DIO-hTauP301L AAV: inject, **perfuse (5/3), TH/mCherry** (IF, Ward) | Korey |
|  | PS19 chronic sleep disruption | tau IHC (AT8, T-tau, AT100, ThioS): Crary lab mtg on 4/4, AT8 more adjacent slides, make brain array  TH/Iba1 in the LC  longitudinal: acquire WT recs, assess spindle-SO properties  SDC rec: manual stage | Ward/Korey |
|  | DORA project | Merck MTA  Ilastik: automated video analysis for sleep/wake  Gavage. Do veh, analyze gavage veh, do suvorexant  jelly: | Kaitlyn/Libby |
|  | cFos staining | LC compare of SD vs adlib (R01)  1 session RR vs Handle 🡪 cFos | Ward |
|  | Clear brain | TH🡪 clear 🡪 image (insufficient penetration), do 1:100  try DBH or NET 🡪 clear 🡪 image  try AT8 or Ttau 🡪 clear 🡪 image  try cFos | Korey |
| **PAPERS** | | | |
|  | msSpindle-rotarod paper | analyze newest 4x females  Andrew’s feedback: meet by 4/15  stew on MRL/phase diff | 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 |
|  | eDISCO paper | figure outline  manuscript outline  Target: JNmethods, FrontBrainImagingMethods, JMicroscopy | Korey |
| **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 | Submit IACUC for PS19 mice, sleep disrupt, suvorexant  respond | Korey |
|  | Mouse VR Maze | test freely moving with touchpad  link beep/milk delivery to screen | Korey |
|  | Aggression | analyze videos of aggression  design of experiment |  |