**AGENDA RED = in process**

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| **#** | **TOPIC** | **DESCRIPTION** | **OWNER** |
|  | Grants | Andrew’s AARG/R01/Merck/ADDF  Korey (0/7 🡪 go for papers), resub F32 (Aug 1st) | Andrew/Korey |
|  | “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: … | 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: purify myelin, works 🡪 plan/do FACS w/ mCherry in LC  DIO-hTauP301L AAV: TH/mCherry (IF, Ward) 🡪 works, check OBs, optimize expression, next round (perfuse 6/29) | Korey |
|  | PS19 chronic sleep disruption | tau IHC (AT8, T-tau, AT100, ThioS): AT8 more adjacent slides, make brain array 🡪 draw RoIs, quant w/Aperio 🡪 summary stats  TH/Iba1 in the LC (for Ehrlich)  longitudinal: score, assess spectral, spindle-SO properties, other CFC  SDC rec: manual stage | Ward |
|  | DORA project | Merck MTA, MISP  Ilastik: automated video analysis for sleep/wake  Gavage: Do veh/DORA, score, analyze N,R,W  July 5th progress report  Aug 3rd Final report (last day July 27th) | Libby |
|  | cFos staining | LC compare of SD vs adlib (R01)  1 session RR vs Handle 🡪 cFos | Ward |
|  | Clear brain | TH🡪 clear 🡪 image 🡪 do again for LC counts (gross dissect brainstem)  try DBH and NET 🡪 clear 🡪 image  try AT8 or Ttau 🡪 clear 🡪 image  do 3D sholl analysis and whole LC counts | Korey |
| **PAPERS** | | | |
|  | msSpindle-rotarod paper | analyze newest 4x females  send to Andrew (Done 5/31)  revise Andrew, solicit other MSSM,  submit to SLEEP | Korey |
|  | huSpindle-tau paper | submit to JAMA Neuro  revise comments | Korey |
|  | rpS6 and rotarod paper | manuscript submission. | Andrew |
|  | Gist learn: F-B rotarod paper | manuscript outline/draft to Andrew  Target: SciReports, | Ward |
|  | eDISCO paper | Prof. Deana Benson on board  manuscript outline  Target: JNmethods, FrontBrainImagingMethods, JMicroscopy | Korey |
| **OTHER** | | | |
|  | IACUC | Submit IACUC for PS19 mice, sleep disrupt  await biosafety review |  |
|  | 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 |  |
|  | Mouse VR Maze | test freely moving with touchpad  link beep/milk delivery to screen |  |
|  | Aggression | analyze videos of aggression  design of experiment |  |