**AGENDA RED = in process**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **TOPIC** | **DESCRIPTION** | **OWNER** |
|  | Grants | Andrew’s R01 (March 26)  Korey’s AARF (March 2nd) |  |
|  | “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 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: HIT (get 10x, 20x)🡪 animals for FACS/rtPCR (5x Mickael,1x Korey due >3/23), schedule FACS  DIO-hTauP301L AAV: verify ITRs, Paramita making virus, | Korey |
|  | PS19 chronic sleep disruption | tau IHC (T-tau, AT8, AT100, ThioS):  Patho collab: cut, H/E, AT8, review slides for RoIs  longitudinal: acquire WT recs and aged recs, manual stage 2mo and 10-12mo, sleep architecture comparison by genotype R01  SDC rec: manual stage | Ward/Korey |
|  | Suvorexant project | design/acquire materials for project, calc suvorexant consumption  Ilastik: automated video analysis for sleep/wake | Kaitlyn |
|  | cFos staining | LC compare of SD vs adlib (R01)  1 session RR 🡪 cFos | Ward |
|  | Clear brain | clear WT brain  Immunolabel TH🡪 clear 🡪 image, image better example  Immunolabel hTau🡪 clear 🡪 image | Korey |
| **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 |
|  | Memory review | DONE | Andrew |
| **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 |
|  | 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 |  |