**AGENDA RED = in process**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **TOPIC** | **DESCRIPTION** | **OWNER** |
|  | Grants | BrightFocus  SRSF: dec 1  F32: dec 1  Andrew: AA, R (Feb 5 or 16) |  |
|  | “Always be SDing” | Currently: 3 males done 8wks on 1/12/18, 4 females done 4wks on 12/15/17  On deck:  Past: 4x PS19 females done on 11/2/17 🡪 Ward AT8 IHC  Adlib: double check 4mo and 6mo | Kaitlyn |
|  | LC project | LC inject tau-GFP: done 9 animals 🡪 sac 8wks on 1/18/18. How many SD/adlib?  LC inject YFP (test IF YFP/TH colabel): 3x scheduled for 12/4/17, when successful 🡪 ChR2 then stim then cFos | Ward/Korey |
|  | PS19 Chronic sleep disruption | tau IHC (T-tau, AT8, AT100, ThioS):  Patho collab: awaiting processing then blocking  longitudinal: acquire WT recs (month 4), manual stage,  SDC rec: manual stage | Ward/Korey |
|  | cFos staining | Sectioning: 4/4  10hr SD 🡪 cFos  1 session RR 🡪 cFos  sleep 🡪 cFos | Ward |
| PAPERS | | | |
|  | msSpindle-rotarod paper | manuscript outline (Target SLEEP?):  Phase pref of spindle-slow oscillation for all 11 animals   1. Spindle and slow oscillations 2. Spindle characteristics are not different in sleep after learning compared to baseline 3. Spindle occurrence is transiently elevated in early NREM sleep compared to baseline 4. Spindle-slow oscillation coupling with learning? Diff dist (learn vs bline; early vs late). 5. Spindle and slow oscillation associations with learning | Korey |
|  | huSpindle-tau paper | revise Andrew/Ricardo’s feedback, ApoE QA  discussion  spindle property literature search: mechanistically, how tau can alter density, duration. Ie. neuronal electrophysiological properties: resting membrane potential, input resistance, intrinsic excitability, and effects on T-type calcium channels and K+ channels that contribute to spindle generation  discussion  review by statistician  Korey do regression | Korey |
|  | rpS6 and rotarod paper | manuscript outline. | Andrew |
|  | Gist learn: F-B rotarod paper | boost Ns for 10F SD, 10F SD, 10B  20 trials group: (10F,20 min break,10F, 10B?)  analyze data, present  manuscript outline  cFos anterior cortex  inhibit PFC in NREM/REM/W…  Target: SciReports, BehaviorBrain, NB-LM | 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 |
|  | Aggression | project proposal  design of experiment | Kaitlyn |
|  | Computed Tomography Imaging | lit search tau/vascular changes  1x adlib control  4x WT SDC  4x PS19 SDC | Korey |
|  | IACUC | New IACUC for PS19 mice, sleep disrupt, food restrict for training (VR and mototrak) |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **TOPIC** | **DESCRIPTION** | **OWNER** |
|  | Mouse VR Maze | test freely moving with touchpad  link beep/milk delivery to screen | Korey |