

PROPOSED PLAN FOR THE C. ELEGANS MODELING PROJECT

David Dalrymple

1. ☒ Obtain strains of *C. elegans* expressing GFP pan-neuronally.
2. ☒ Image these strains with the spinning-disk confocal microscope at the Samuel Lab at Harvard.
3. ☐ Develop algorithms to interpret this data (spatial).
4. ☐ Construct a strain expressing GCaMP3 under the *unc-119* promoter.
5. ☐ Image this strain in natural modes of behavior.
6. ☐ Develop algorithms to interpret *this* data (temporal/functional).
7. ...