

April 3rd

## presentation

### BACE2 sensing?

Weiss has a module that can sense proteins  
→ uses a tango system  
Cofilin recruiting? and properties of cofilin?  
Other LIMB2 ligands?  
Genbank and addgene ~~has~~ have sequences  
UniProt too & PDB (protein database)

### Stages of Alzheimer's

Determine cell type of miRNA! #intronic

→ miRNA atlas and miRDB and miRNA (?)

How upregulated is upregulated?

Jake Biel can help us analyze

if we provide him data

Potential feedback mech?

Shorter than BACE1- $\beta$  amyloid  
otherwise BACE1

It would be tricky to keep it around  
we need to know what level is healthy

Start designing mechanisms

1. dumping  $\beta$  Amyloid on cells  
→ cells turn red #our first paper
2. degrading  $\beta$  Amyloid constitutively
3. show we can induce expression of BACE2  
with something like DOX

ELISA essays from McGovern?

Dr. Lauren Loozer

Tools to figure out what Brain is doing

32-141 Thursday @ 4

GFP and RFP probes

to see action potentials

## administration

Summer UROP apps

due April 17th

run it by Brian

BE writing lab

April 24th 10th

Go see Olga for NE47 card access

Summer dates

design  
sum