SKH slides - thanks!

M2D1: System Design

10/8/13

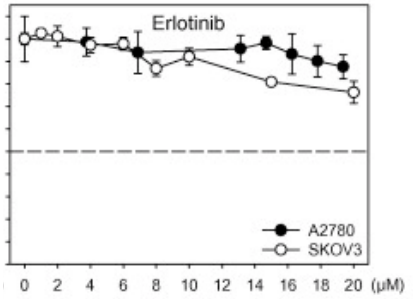
1. Writing visit from Leslie — OH ANS R 5-6P 16-336 (by appt, say 12-3ish)
2. Safety visit from Marissa — SKH W 7-8P 56-322
3. Short pre-lab discussion + Hi, Kim!!
4. EGFR signaling pathway simulation
5. Pick your inhibitor!
6. Mock inhibitor study

A few announcements:

1. Mod1: Abstract + Data Summary due ~~Thursday~~ Friday at 11am 11A
2. Mod1: Methods return target is M2D3
3. Check your schedule -- Journal Club time! D5+D8
4. Plan ahead: M2D4 is long (no more surprises)

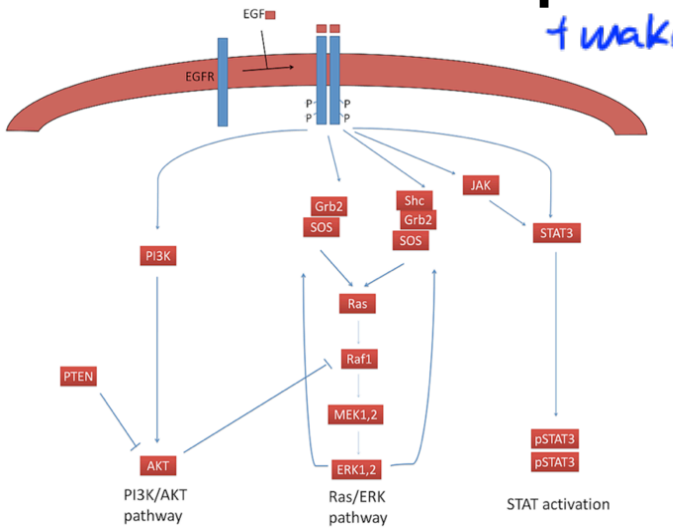
Module 2 overview:

Define the problem:

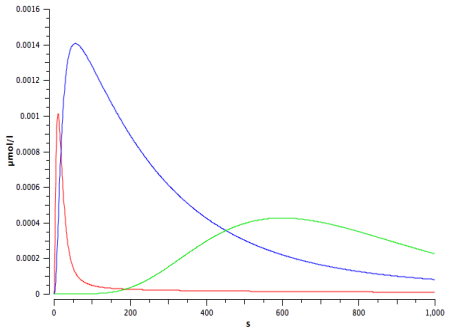


Grunt et al. Biochem. Biophys. Res. Commun. 385:454-459(2009)

Explore the system:

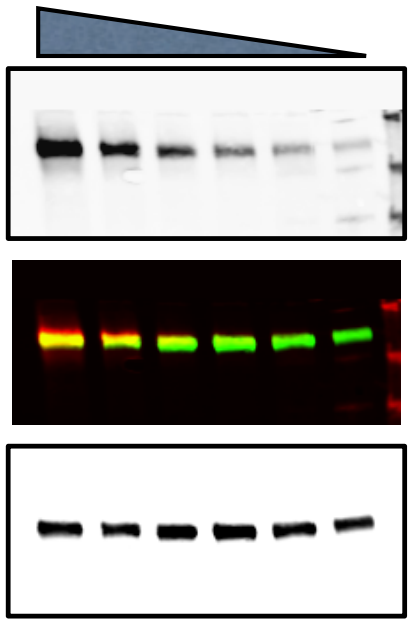


Bidkhori G, Moeini A, Masoudi-Nejad A .PLoS ONE 7(10): (2012)

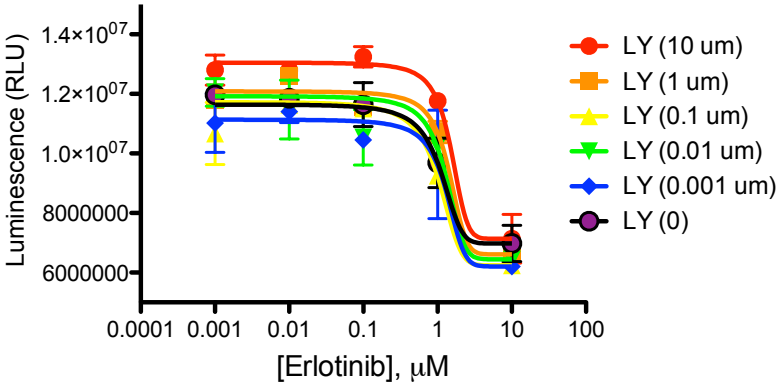


Increasing [EGF]

Test the parameters:



Test our hypothesis:



Today in the lab:

- EGFR simulations -- if you run into trouble, let us know right away!

  Normal, Increased EGFR, (no PTEN -- if time)

- We have 6 multi-channel pipettes -- stagger your start (a few may choose to start right away)

Next time in the lab:

- Choose JC day & paper (list will be finalized on Thursday AM)
- EGFR mutation analysis by PCR and sequencing
- Learn how to present the research of others