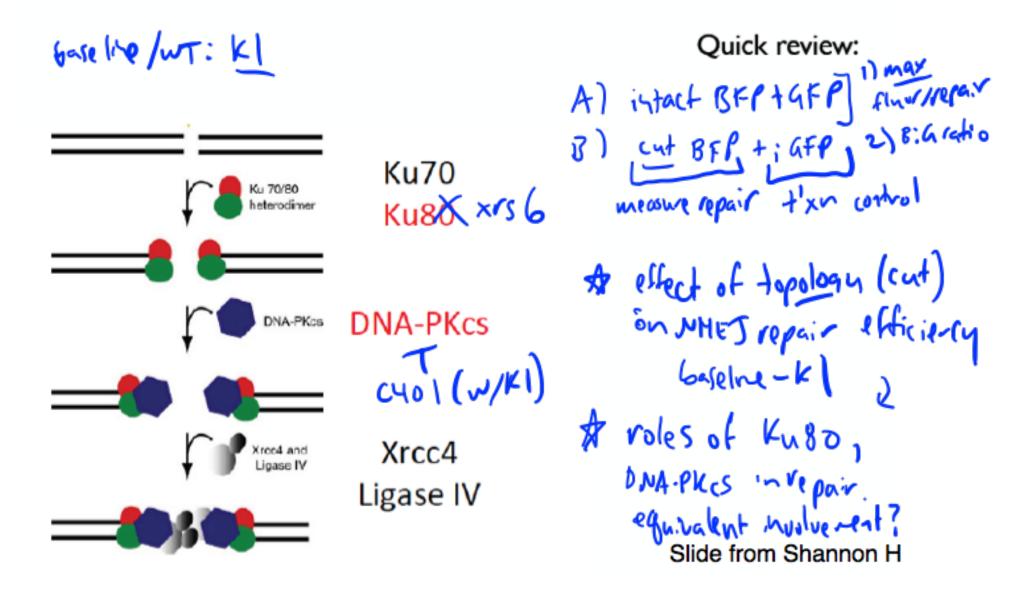
- Announcements
- Pre-lab Lecture
 - Review central question(s)
 - Flow cytometry gating
 - [C401] dose response workflow
 - Tips for flow cytometry prep
 - Today in Lab (M2D6)

Announcements

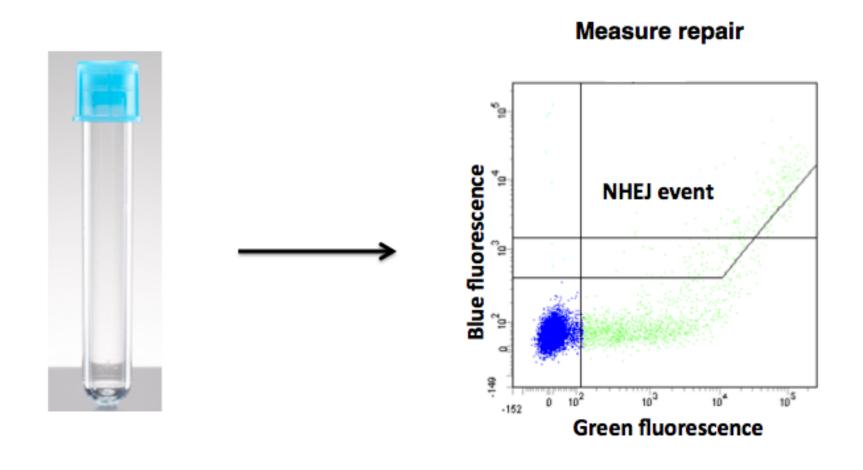
- Module 1 revision due just now
 - give a heads up if you are taking a late day
- Reflection 2 also due
 - take the time you need to be thoughtful... but not so much time that you forget the experience

```
ideally: on Stellar + Lard copy
```

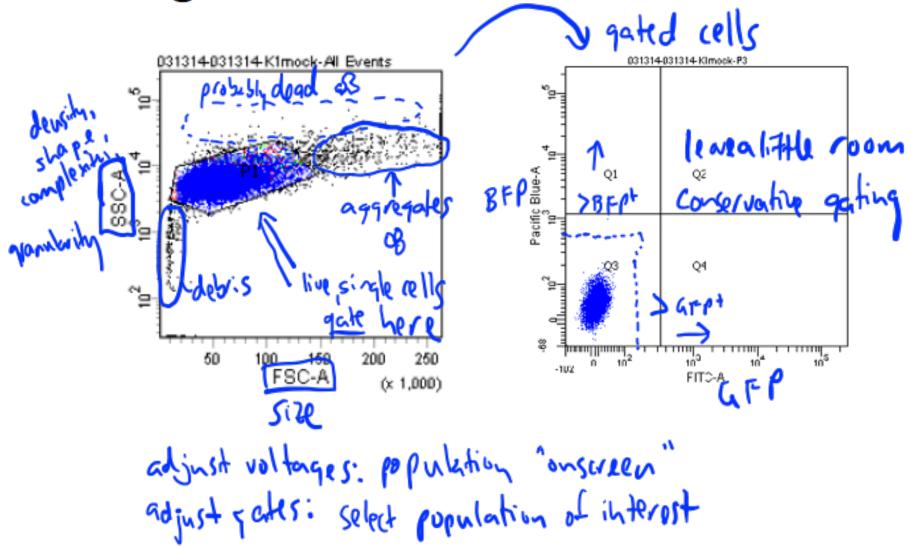
Canonical NHLJ Pathway:



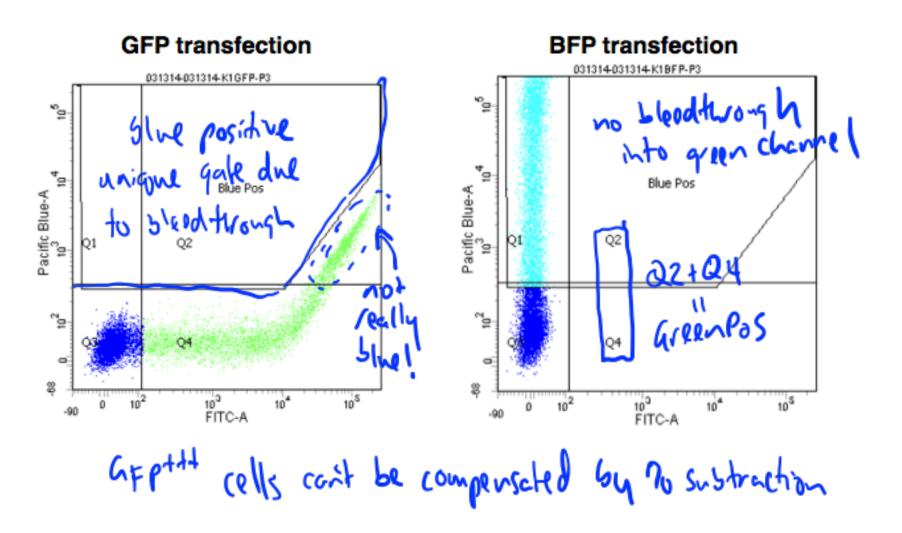
Lots of steps to get from here to there



Negative control: "mock" treatment

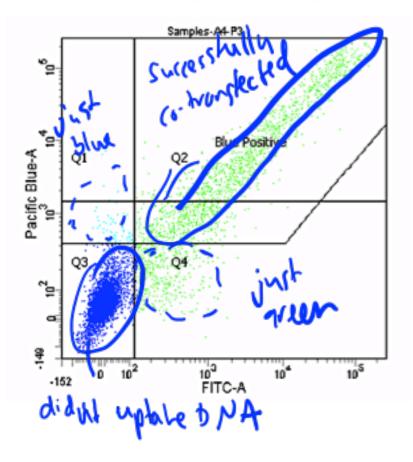


Single-color controls to set "positive" gates

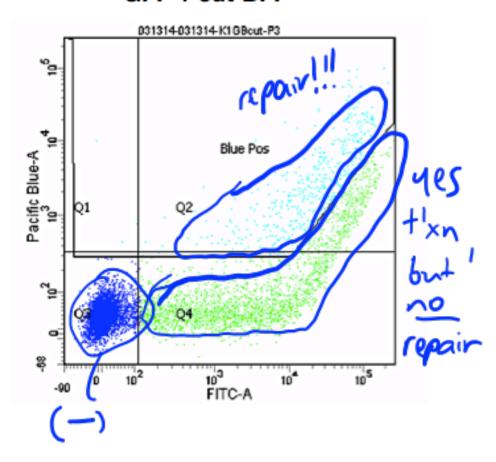


Dual intact versus repair experiment

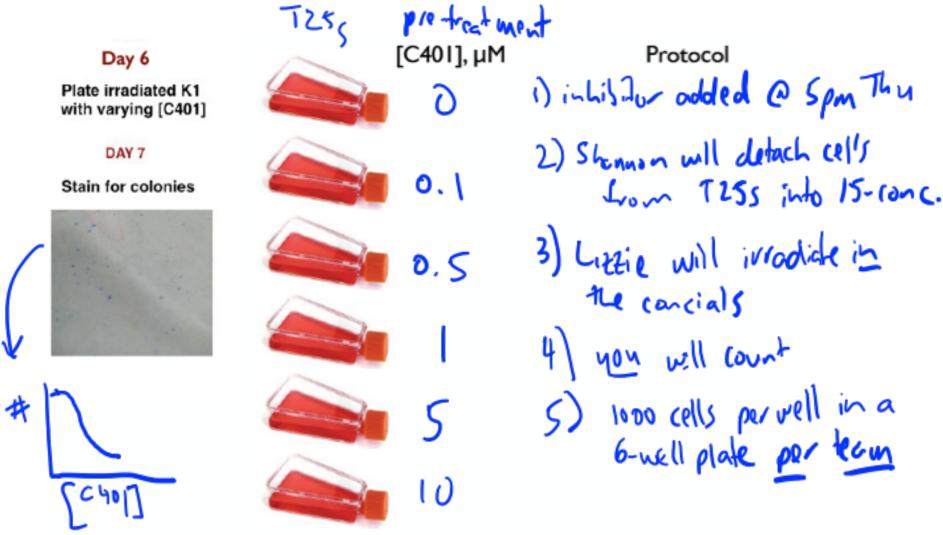
GFP/BFP co- transfection



GFP + cut-BFP



[C401] dose response workflow



Slide from Shannon H

Hints for flow cytometry prep

- Aspiration technique
 - remove all liquid but don't linger
 - clean pipette between conditions
- Label tubes with correct number + your color
- Pipet well to mix cells, disrupt aggregates
- Plan a workflow with your partner in advance

Today in Lab (M2D6)

- Note: Shannon and Su will be in TC all afternoon
- Get flow tubes ready ROYGB teams first! Then PPSW
- Love this phrase: "Work at a purposeful pace" (SKH)
- When everyone is done, Shannon will prep the six
 C401-treated flasks for irradiation
- Meanwhile, y'all make a plan and divide up the labor
- Around 3 pm, Lizzie N from Engelward lab will come irradiate your cells at 4 Gy - "Gray"
- Meanwhile, you count the cells and finalize plating plan – collaborative tissue culture!