

# M2D7: Data analysis

4/8/15

# If you have an hour Friday 3 pm 32-123 Rakesh Jain  
(tomorrow)

# Lab business

- Lab treat...



\* Very cool drug delivery + models of tumor vasculature

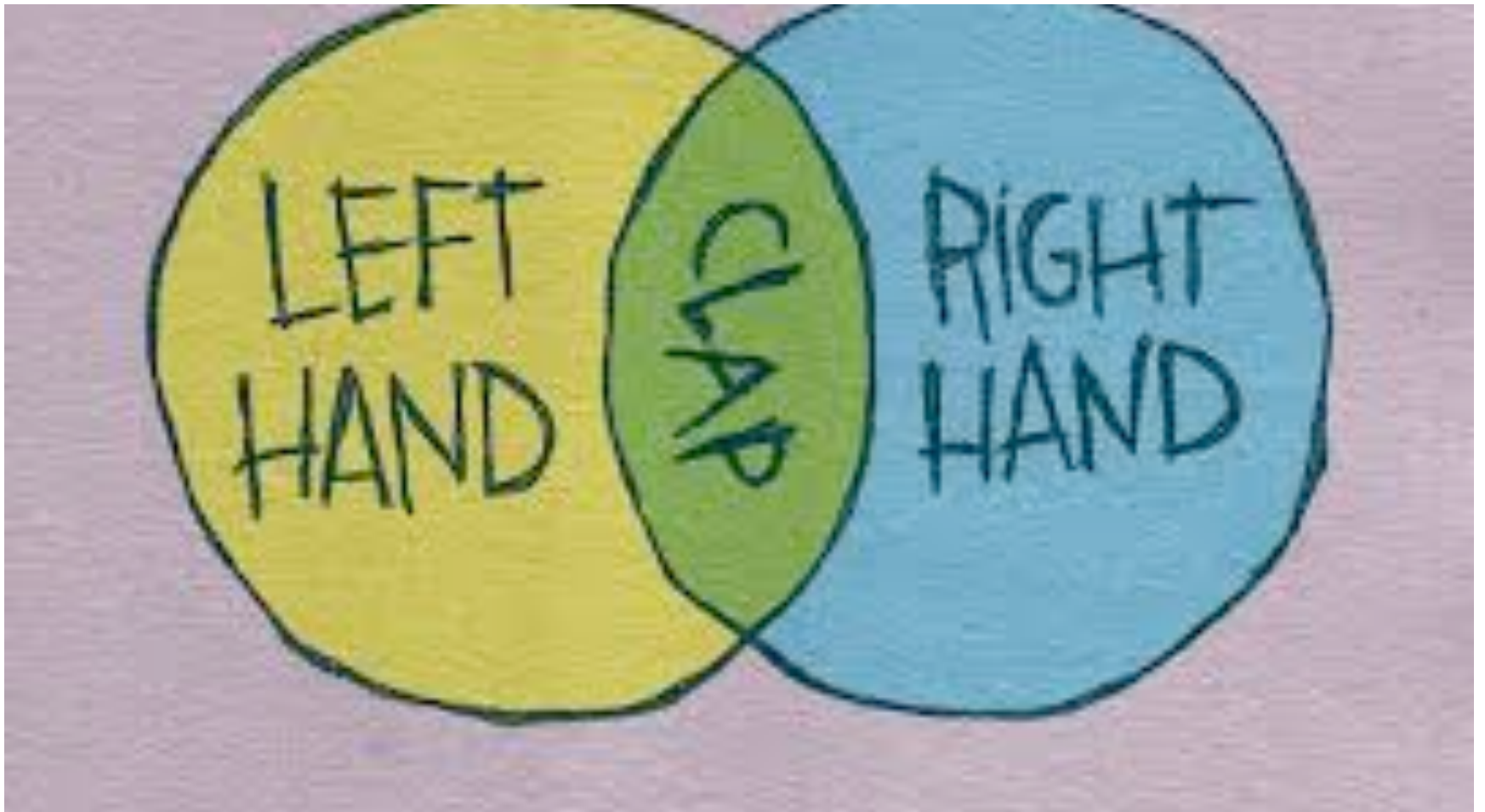
- (Extra) office hours

Next week {  
– Noreen: M and R 2-4p, F 9-11a, Su 10-12p  
– Leslie: M and R 1-2p  
– Shannon: Wed 2-4pm, Fri 3-5pm, Su 10-12p

Monday 4/20 @ 5pm

- Module 3 will begin next time  
– Read overview and M3D1 pages

Thank you, Nova!



# Kill curve measurements

**Day 5** - 250

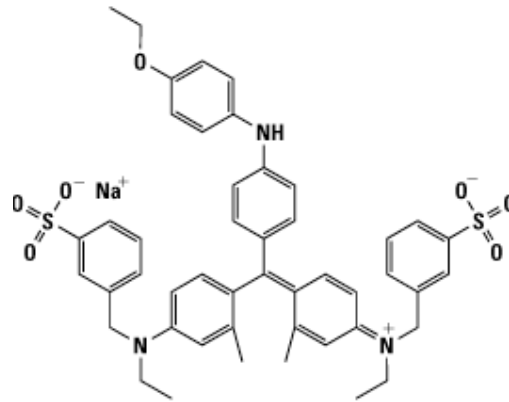
1. Plate cells without and with [increasing drug]
2. Irradiate

**Day 7**

1. Stain with Coomassie
2. Count colonies



Xrs b



Coomassie Brilliant Blue G-250 Dye  
 $C_{47}H_{48}N_3NaO_7S_2$   
MW 854.02

$$\frac{(\# \text{ of colonies/well})_{\text{dose X}}}{(\# \text{ of colonies/well})_{\text{0 drug}}}$$

# Possible research questions

- 1) Did the inhibitor work as we expected?
- 2) What topology is most efficiently repaired?
- 3) KI vs Xrs6
- 4) Class-wide data

# Today

- Stain and count your irradiated cells and plot your data
  - Post your counts to M2D7 Talk page
- Complete the statistics exercise
  - Perhaps during the 1hr incubation step of the staining procedure 😊
- Use this class time to analyze the class flow cytometry data and ask questions