M1D7: Analyze SMM data

1. MIT Libraries Workshop

2. Quiz!

3. Analyze SMM data

4. Work on Data summary!

Important due dates are approaching!

- **Data summary** (15%)
  - completed in teams and submitted via Stellar
  - draft due 3/8 at 10p, final revision due 3/22
  - format in bullet points
  - Extra Office hours Saturday, March 7 at <u>11a – 6p</u> in 56-302
- **Mini-presentation** (5%)
  - completed individually and submitted via Gmail
  - due 3/15 at 10p
- Notebook (part of 10% Homework and Notebook)
  - due 3/5 at 10p via email to Joe
- Blog (part of 5% Participation)
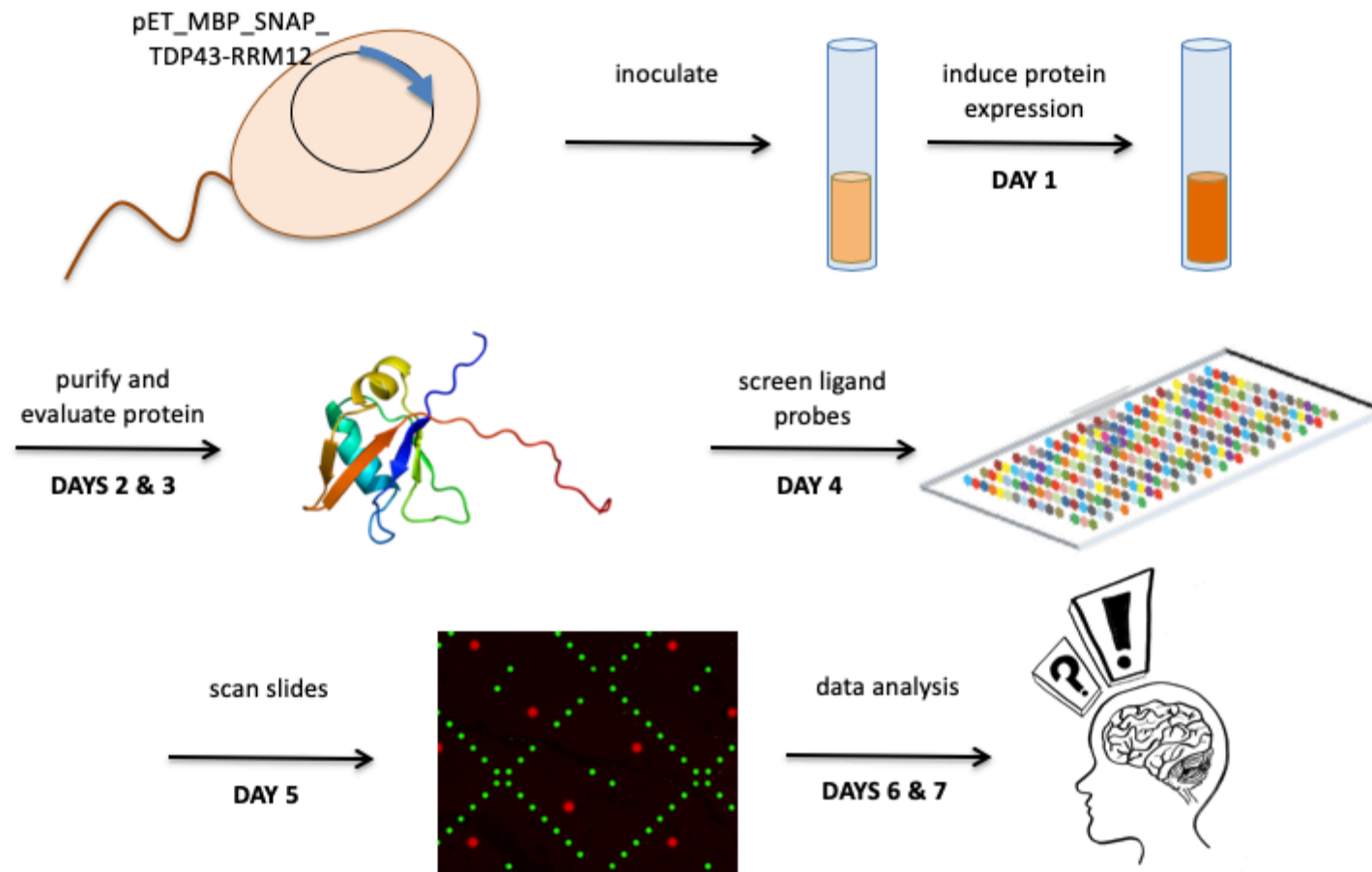 - due 3/16 at 10p via Blogspot

M1D1
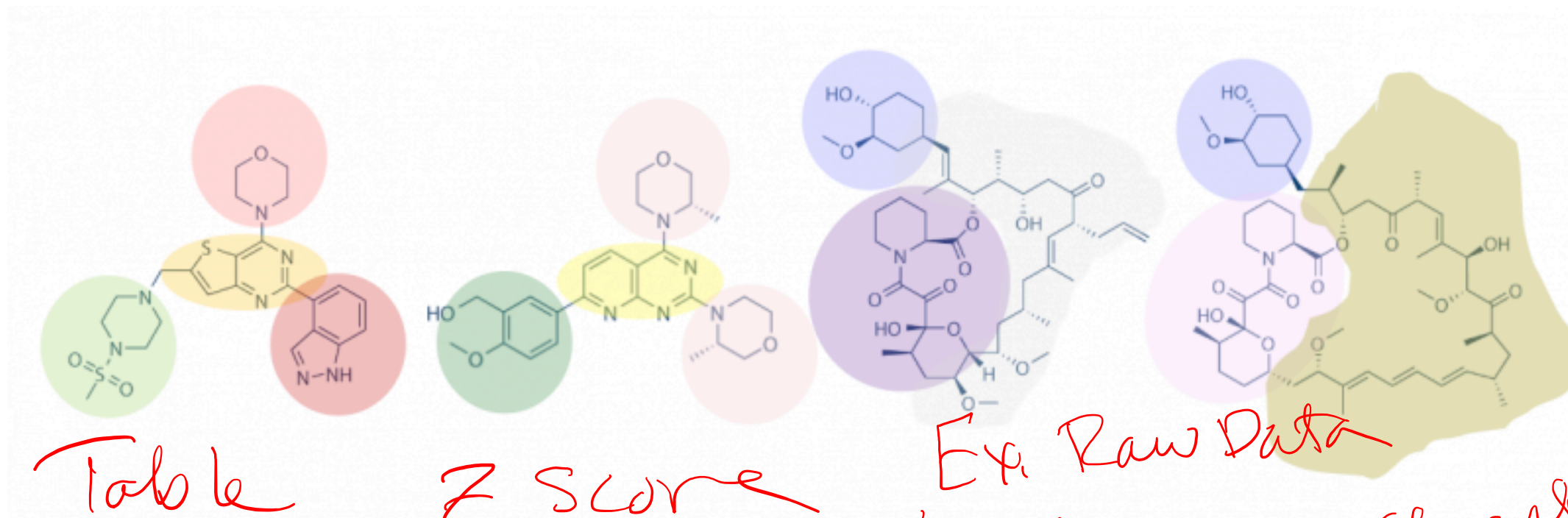<u>Save as a pdf</u>
* (can be done on the print menu)

Overview of Mod1 experiments

How will you identify common structures?

Table

Z Score
chemical structure
SMILES / chemID / ~~Alias~~ Different Name

Ex. Raw Data

Note on M1D5 Figure homework & other questions

- Don't forget to assess all data you present– can't ignore lanes on a gel

- Prerna noted that you can only store 5 Biorender images, but you can delete them when you are finished
  - May prolong your use of the service

- Biorender is incredibly useful as an educational tool
  - However the company does not want the educational version (free) to be used for publications

For today…

- You should have an outline for your Data summary when you leave!
  - Make a plan / schedule with your laboratory partner

For M2D1…

- Review Overview of Mod 2 and Introduction to M1D1
- Read Wei et al. journal article for in-class discussion

Making progress on the Data summary!

Title: take-home message
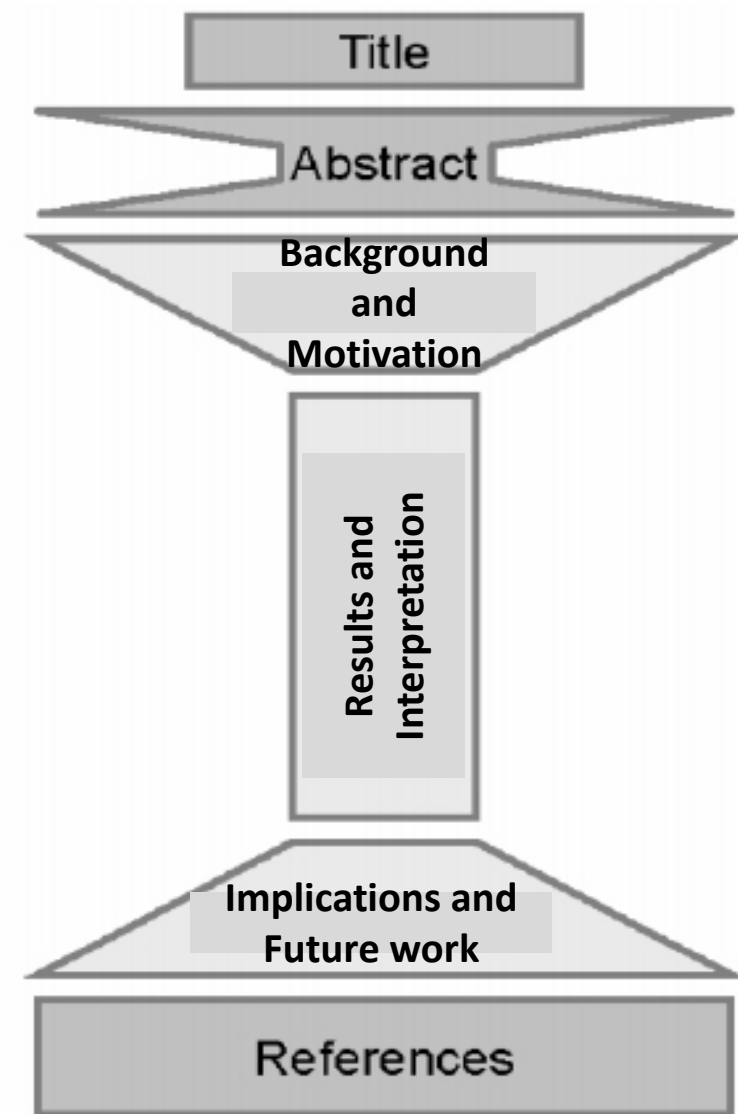Abstract: Paragraph, NOT in bullet points!

In bullet points:
Background and Motivation (include citations)

Results and Interpretation

Implications and Future work (include citations)

References (see wiki for format suggestions)

Data summary structure / logistics

- To be submitted as a powerpoint file!
  - Change page settings such that 'slides' are portrait and 8.5" x 11"
  - Upload to Stellar (draft due Mar 8 at 10pm, revision due Mar 22 at 10pm)

- Each figure will be included as a separate Data slide
  - Image should be at the top of the slide with title and caption
  - Results / Interpretation text should be included on same slide
  - Though figures are separated into Data slides, the story should be cohesive between figures!