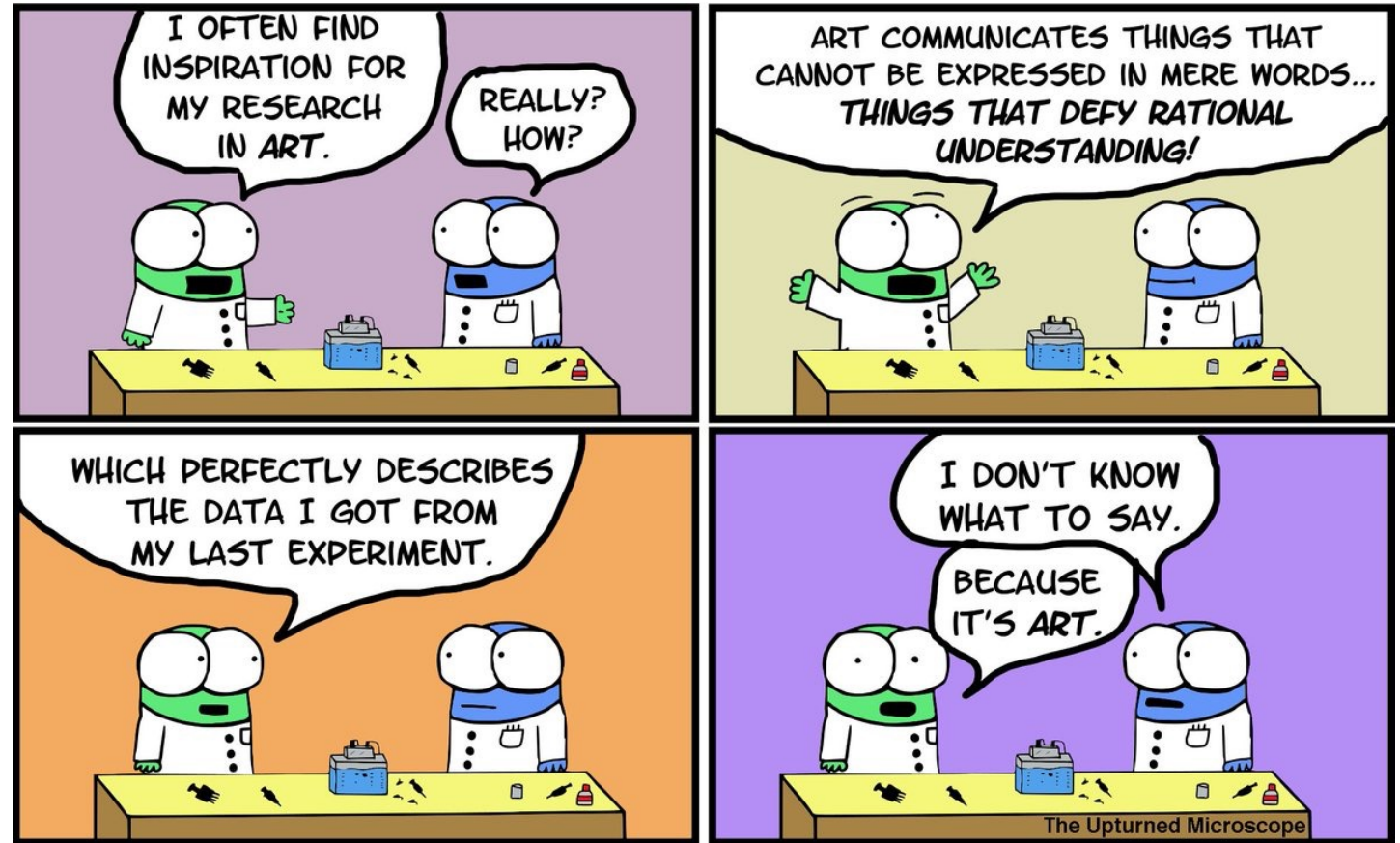
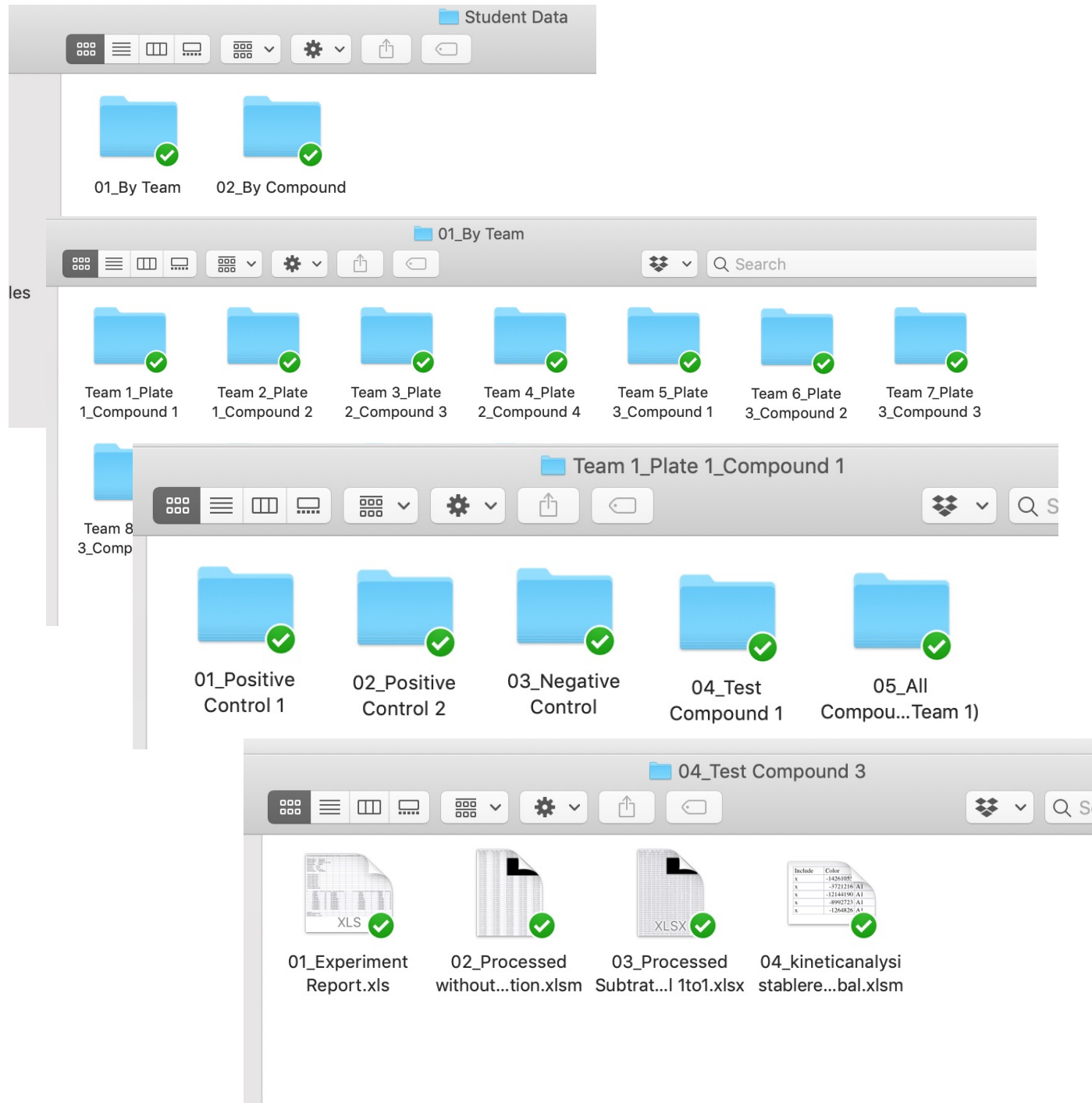


M2D6: Complete data analysis for secondary assay

- Prelab discussion
- Analyze BLI data
- Discuss next step experiments

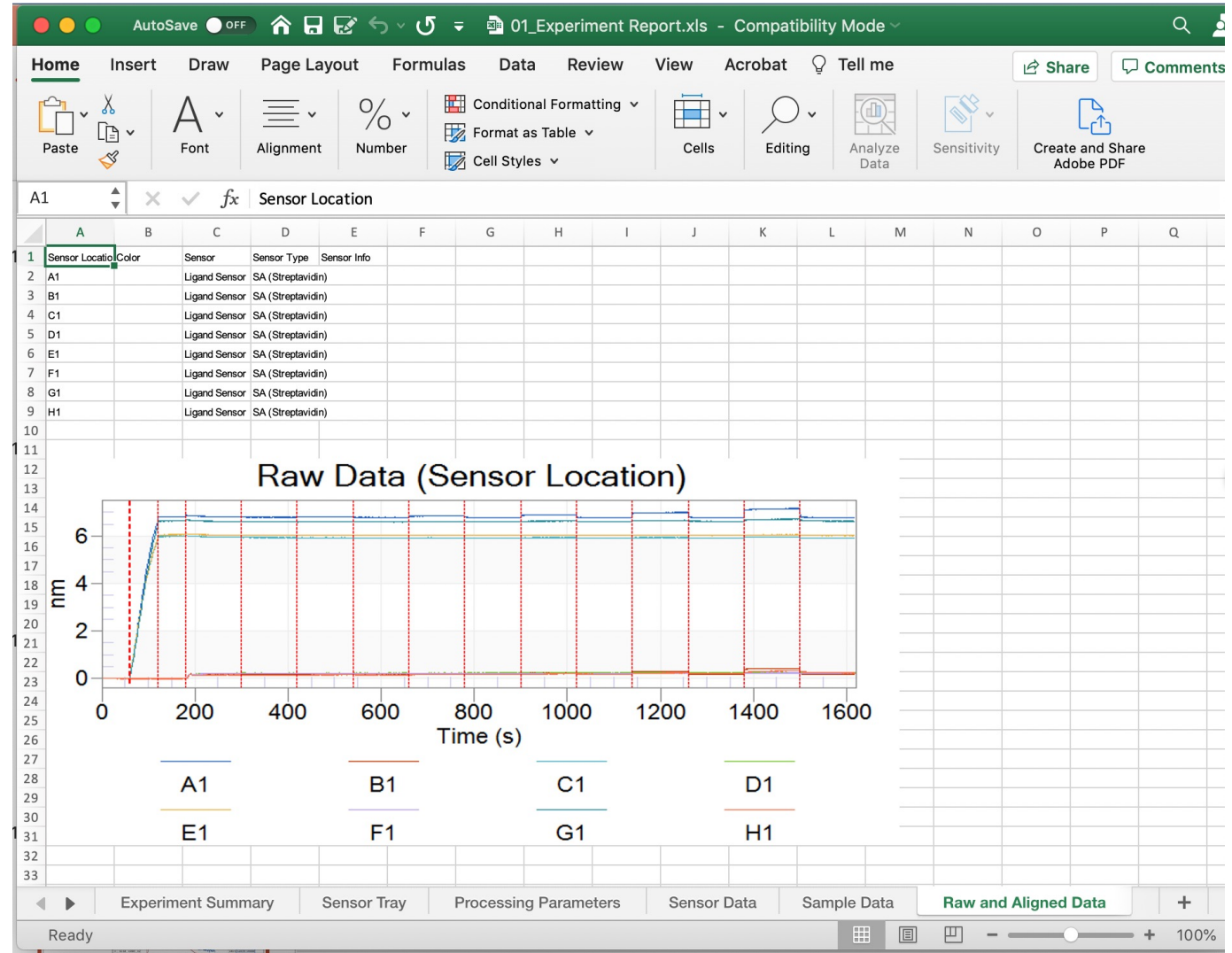


Results set up



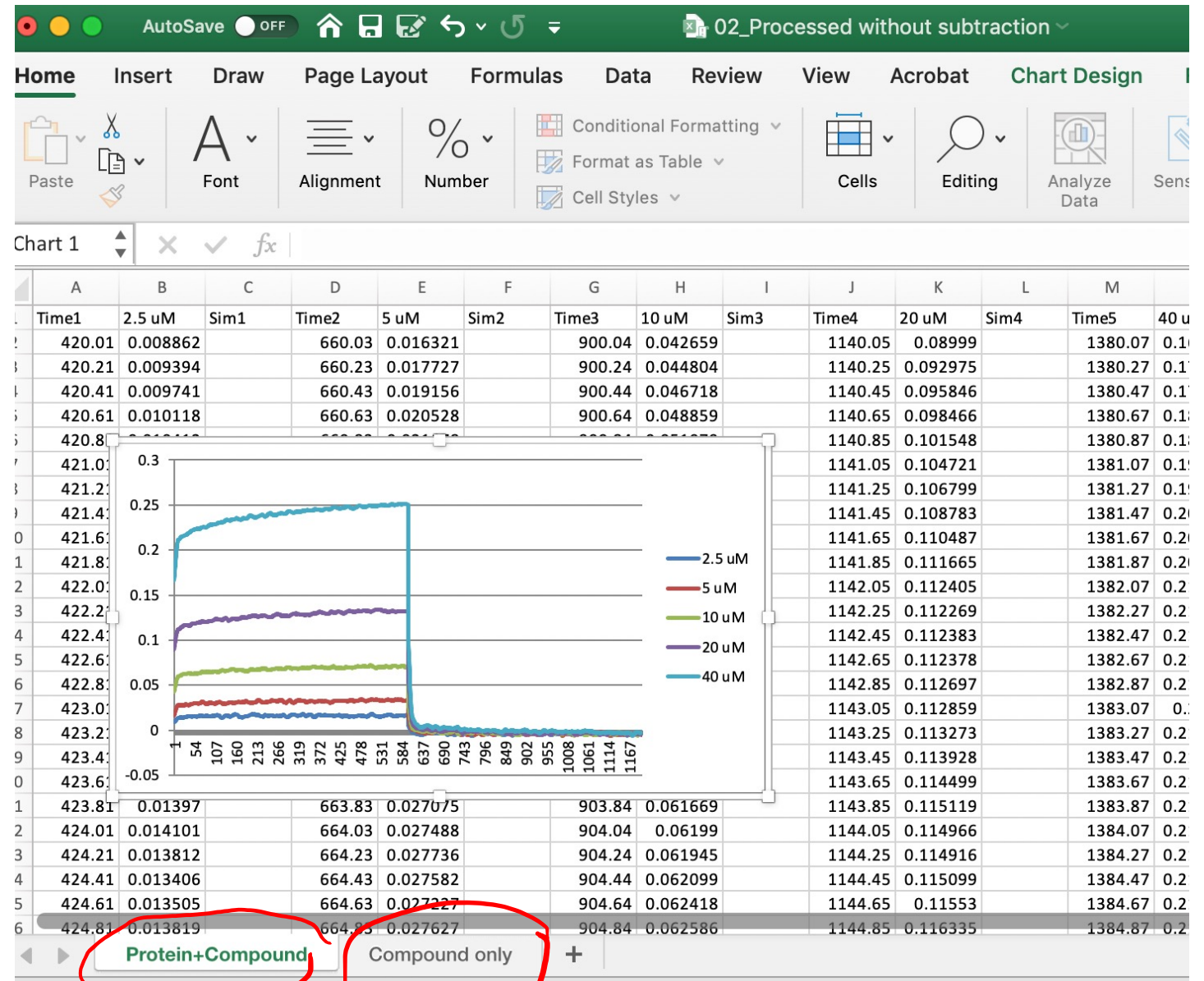
01_Experiment Report

- Follow the experimental steps
- Understand how the experiment was run and what the results look like



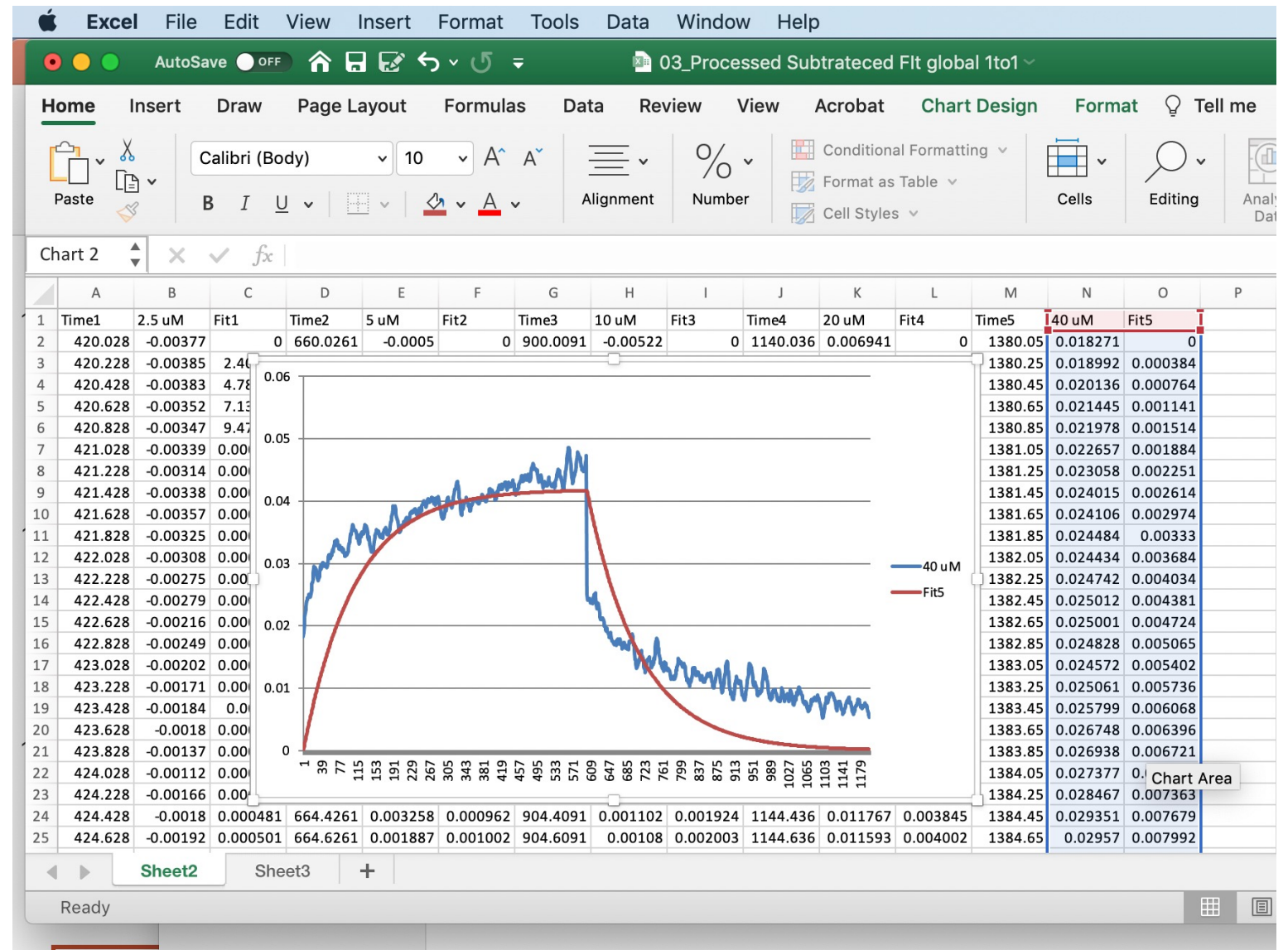
02_Processed without subtraction

- Shows binding for each concentration (with or without protein)
- You can manually subtract the compound alone from the compound + protein values for each data point



03_Processed Subtracted Fit Global 1 to 1

- Generate fitting curves from the data and check if the fitting is good for each concentration.



04_Kinetic analysis table results 1 to 1 global

Y17

	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	ding W	Loading Sa	Cycle	Conc. (nM)	Response	KD (M)	KD Error	kon(1/Ms)	kon Error	kdis(1/s)	kdis Error	RMax	RMax Error	kobs(1/s)	Req	Req/Rmax(Full X^2	Full R^2	SSG KD
2			1	2500	0.0037	1.28E-03	1.55E-03	3.49E+01	4.25E+01	4.46E-02	1.39E-03	1.3793	1.6547	4.47E-02	0.0027	0.2	0.0227	0.8489	
3			1	5000	0.0081	1.28E-03	1.55E-03	3.49E+01	4.25E+01	4.46E-02	1.39E-03	1.3793	1.6547	4.48E-02	0.0054	0.4	0.0227	0.8489	
4			1	1.00E+04	0.0064	1.28E-03	1.55E-03	3.49E+01	4.25E+01	4.46E-02	1.39E-03	1.3793	1.6547	4.50E-02	0.0107	0.8	0.0227	0.8489	
5			1	2.00E+04	0.0182	1.28E-03	1.55E-03	3.49E+01	4.25E+01	4.46E-02	1.39E-03	1.3793	1.6547	4.53E-02	0.0213	1.5	0.0227	0.8489	
6			1	4.00E+04	0.0451	1.28E-03	1.55E-03	3.49E+01	4.25E+01	4.46E-02	1.39E-03	1.3793	1.6547	4.60E-02	0.0419	3	0.0227	0.8489	
7																			
8																			
9																			
10																			
11																			

kineticanalysis1to1

When given the data for all the compounds you will compare the kinetic results and rank compounds according to the best binders.

Schedule for today

With Khan in BIF facility:

- 1:20-1:40 **Yellow Team**
- 1:40-2:00 **Blue Team**
- 2:00-2:20 **Purple Team**

For Today

- Analyze/collect your data with Khan at your scheduled time
- Using the paper linked on the wiki, discuss appropriate next steps following a drug screen with your lab partner
 - practice for your proposal of next steps in the Research Article discussion

For M2D7

- Prepare a figure showing the SDS-PAGE gel and discussing the purity and purification data
 - BCA was emailed to you when it was performed
 - SDS-PAGE data is in class data Dropbox
 - Link to that data is on Wiki under homework section for next time

M2D7 HW

- Create a figure of the purity and concentration data
 - Must show SDS-PAGE gel, but BCA graph isn't necessary
- Write associated results and discussion paragraphs
 - Explain ALL results (i.e. all the lanes on the gel)
 - Research article results text will not include interpretation
 - Separate discussion section associated with figure with interpretation
 - Results= What did we see? Discussion= What does it mean?
- Review guidelines on the wiki Homework tab and descriptions on the Research Article tab

can e from
BCA must
be reported