

Short term items

I. PAGES

1. Login page

StarCellBio logo or image

2. StarCellBio home page: contains the list of students' assignments

large image that represents StarCellBio (currently, place holder image)

Buttons at the bottom of the page

Notebook button that takes you to the Notebook feature - (currently, place holder image - we understand that the Notebook feature is a long-term project; for the short term we just need the button)

Ask a postdoc button - (currently, place holder image)

Help button that will take students to descriptions of each of the individual experimental outputs that they will have access to (currently, place holder image)

4. Experiment set up page: where students set up their experiments

"Adding more than one treatment to a single plate" visual

Icons

Cell plate icon

Clock icons to represent the start, duration and collection times

Pipette icon to represent treatments

Stack of plates or tube icon to represent when you have finished setting up an experiment

"+" icon (currently, place holder image)

Trash icon to discard an experiment

Copy icon (currently, place holder image)

5. Western-blot pages:

a. Sample selection and lysate preparation

b. Gel loading page

c. Gel visualization page

6. Flow cytometry pages:

a. Sample selection and preparation

b. Running the sample and data visualization page

7. Microscopy pages:

- a. Sample selection and preparation
- b. Data visualization page

II. ICONS FOR ALL PAGES

- Home page (currently, place holder image)
- Notebook (currently, place holder image)
- Ask a postdoc (currently, place holder image)
- Save icon
- Load icon
- Some way to get back to the current assignment page - could be an icon or a hyperlink)
- Icon to represent SDS-PAGE Western Blotting
- Icon to represent Flow Cytometry
- Icon to represent Microscopy

III. IMAGES FOR PAGES

- Banner behind page titles*
- Assignment page
- Experimental set up page
- Western blotting pages
- Flow cytometry pages
- Microscopy pages

Mid term items

- Visual representation of the experimental set up

Long term items

- Notebook feature
- Visualizations with short animations of help features which will be part of the explanations for each experimental output
 - Small/short animation of a SDS-page gel being loaded and running
 - Small/short animation of samples being collected after setting up an expedient: ex: eppendorf tubes filling with lysate
 - Small/short animation of flow cytometry samples getting processed