

StarCellBio To-Do List

5/9/2014

This list documents our To-Do List starting in late Spring 2014.

Bugs to make sure are gone

Checkboxes take a while to show up in the experimental technique set up pages when a lot of samples are present **Checked them all, and they all work pretty fast**

Check that laser filters are showing appropriately when switching between bright field and IF images (Lourdes' bug)

Copy not working properly, reassigns original record in Experimental Setup **Can't duplicate**

Ability to sign in to multiple courses

Design Elements - Waiting for Jamie

Develop hover states for all buttons within the program

Obtain all gray images for the focus arrows

In error message and dialog windows, indicate the "recommended" button by color rather than blue outline

User Interface Elements

Remove the blue outlines from all the buttons

Remove the display of the protein band size (in the red box) in the western blotting experimental technique

Delete Experiment button

When signing in to StarCellBio, have a cursor automatically appear in the email address.

Check the other pop up windows too to see if we need to place a cursor in the first text box.

Future Experimental Technique Functionality

Flow Cytometry

- ability to analyze proteins rather than just PI
- overlay flow cytometry histograms

Western blotting - add in capability to do IP's as well as westerns

Add a fourth experimental technique - IP Kinase assays

StarCellBio Functionality

TOP PRIORITY - Problem Set Builder - make constructing problem sets into one general process that all problem sets will follow

Instructor Accounts & Instructor ability to use the problem set builder on their own

Lab Notebook

Usability & Accessibility Testing

TOP PRIORITY - Perform usability testing on the microscopy experimental technique - late May / early June

TOP PRIORITY - Make StarCellBio accessible (ongoing)

Additional features to think about

Put assignment window in a pop out window that is accessible on other pages of the program

Think about how to make the In the Lab features more visible

Move the print icon to make it more visible - **to the top right of the assignments window - possibly in the header bar (along with the assignment name)?**

Look into design of dots to indicate pages in the In the Lab feature

Add on/off switch for flow cytometry histogram tool (while we only have one tool) like



this?:

Make email contact with check or not. (Shloka, is this already done in the Contact window? I don't think that the "may we contact you via email?" checkbox gets checked until the email address is typed in. Or is this referring to something else?) Oh, yes! You are right, I did this already.

Format the drop down menus so that they look like our other dropdown menus (in western blotting antibody selection, for example) Need to talk about this, there is no disabled mode for the antibody selection, but there is for these drop down menus.

Save history of Userguide and port to pop out user guide (Shloka, what does this mean?)

This was a feature Ivan thought would be a good feature for me to build if I have time. It would save the history in the mini user guide window and when you Popout the user guide, you can click the main browser back button and it would take you through the history of the smaller window. I'm not sure about this. I think we should talk about this. If the user closes the user guide, then I think it should reset. As long as the user guide is up, then it should maintain the state.

TOP PRIORITY - Automation Unit Test (Shloka, is this an automatic test to make sure the program works after updates?)

Thumbnail slide - with marker -- HOLD OFF

Add banner if they don't have Google Chrome , navigator.userAgent

From Previous Lists

Low priority (not for the TA's, but maybe for the students?) - On the setup page, we don't need to show an extra row if there is only one condition. This may help cut down on the space that the setup table is taking up. **I thought we had discussed this earlier, when we asked the usability team, how it is better to have the additional drop downs for consistency purposes, otherwise it will be confusing for students to use the sample prep. Maybe that's right... But we don't need a third row to show up especially since it doesn't let you select Antibody-labeling IF again (if you have already**

selected 2 radio buttons)