

Application for use of the Small Molecule Screening Facility

Revised by MSK 10-14-03

Name

E-mail

Lab Head's e-mail

Telephone #

Lab Name (Name of PI)

Position in the lab (eg. Lab head, postdoc, graduate student)

Fund account

Safety protocol #

Assay Design

1. Briefly describe the pathway, protein or interaction targeted by your proposed screen.
2. Briefly describe how the discovery of small molecule modulators of your target would be used by you or others in the next few years.
3. Please briefly describe your assay in general terms. (Eg 1. Add 30 μ L labeled proteins in buffer to 384 well plates. 2. Add 1 μ L 1mM compound to each well. 3. Incubate at room temp. 1hr. 4. Read in plate reader using LANCE protocol.)
4. Briefly describe your experimental controls.
5. Do you have secondary assays ready for further characterization of compounds that score as positives in your primary screen? Please describe briefly.
6. What filters will you need on the plate reader to read your output?
7. What labware do you plan to use to perform your assay?
8. What will you use to determine a "hit" in your assay?