

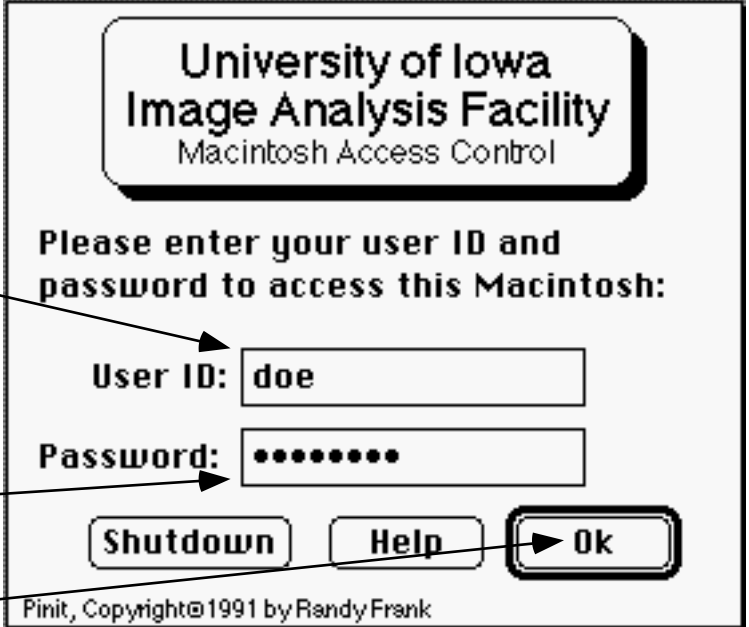
Preparing for Acquisition

- 1a. Turn on FACScan with green power switch if not already on (FACScan must be on before booting the MAC)
- 1b. Boot the MAC with the upper right keyboard key

A. Enter User ID and hit tab button
(each investigator has a unique User ID, DOE is an example)

B. Enter password

C. Click on "OK" or hit return



2. Log on to server

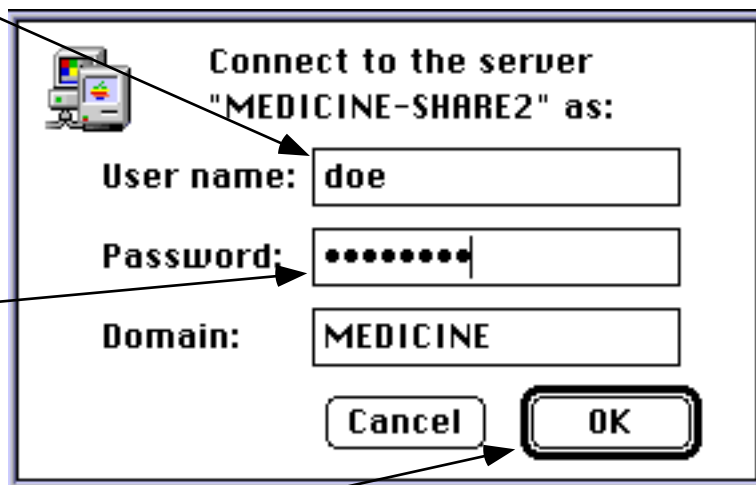
Double click on FlowCyto



3. Enter User Name

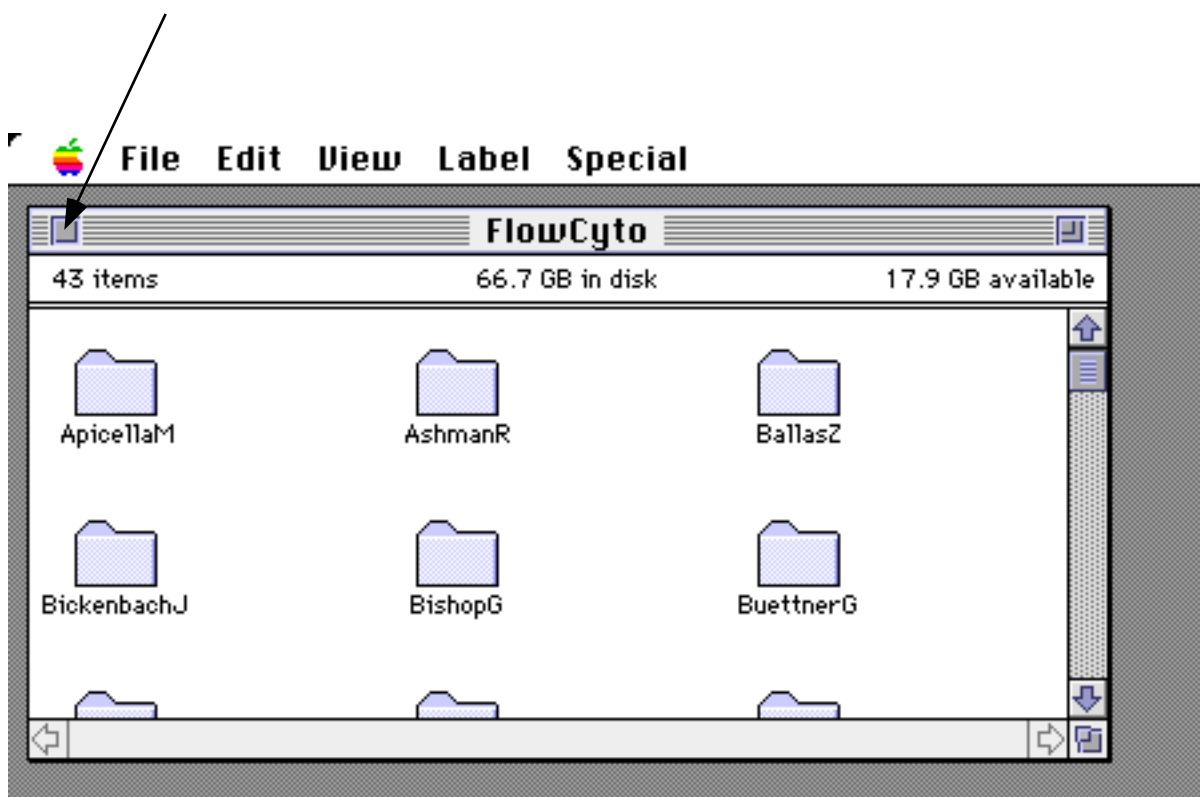
(your user name, not the investigator's user name)

4. Click on Password box or hit tab and enter password



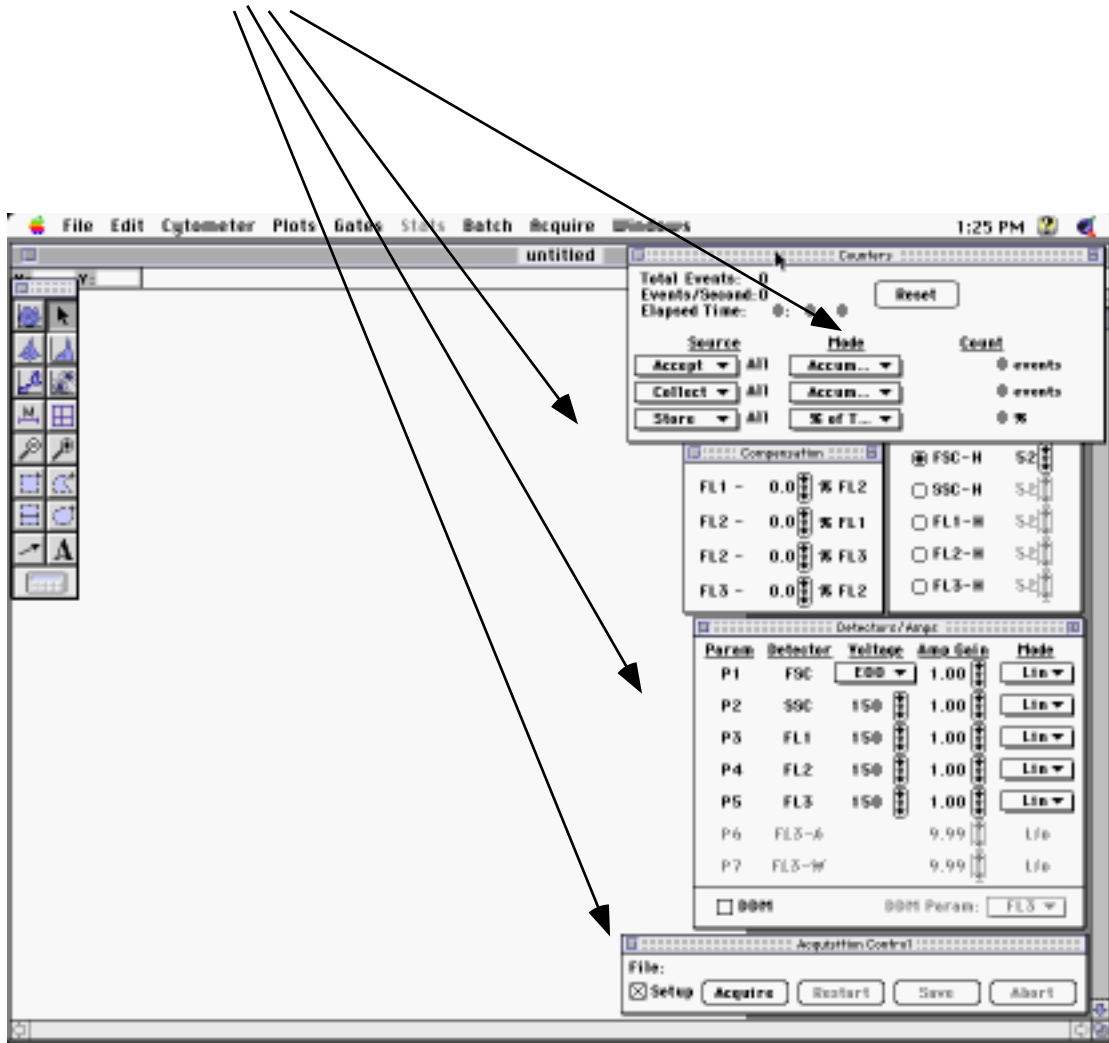
5. Click on "OK"

6. Click here with mouse

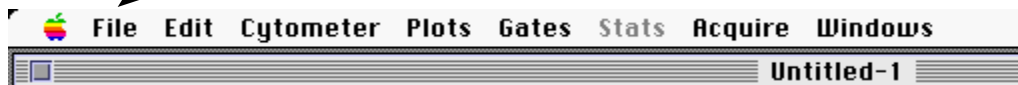


7. Hold down the SHIFT, CONTROL, and C keys

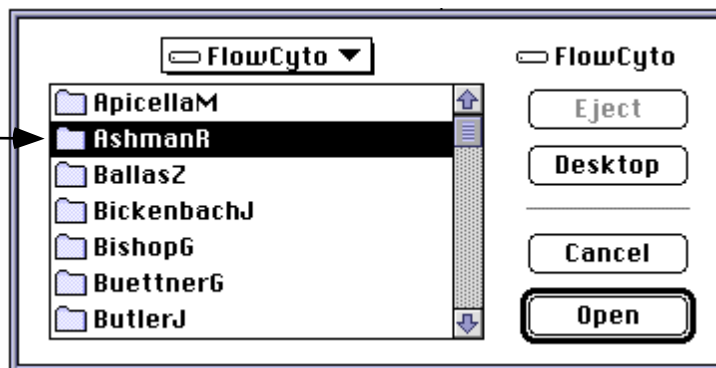
CELLQuest will start and five windows will appear that are used to control the FACScan.



8. Go to **File** and **Open**

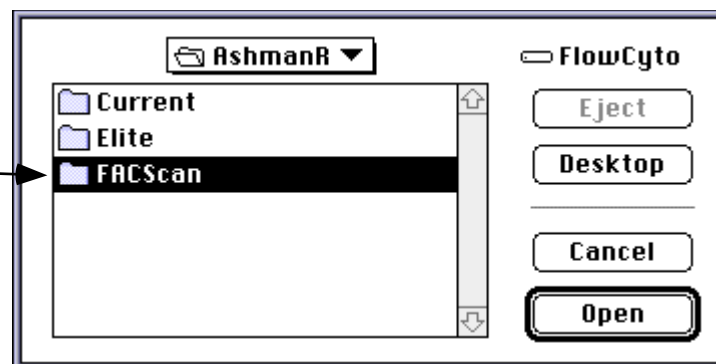


9. Double click on appropriate investigator folder

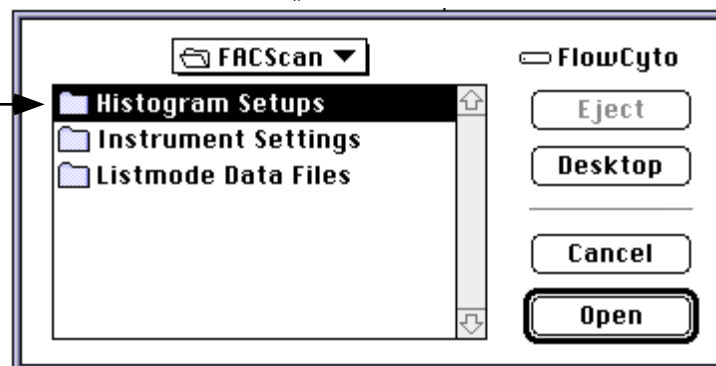


10. Double click on "FACScan"

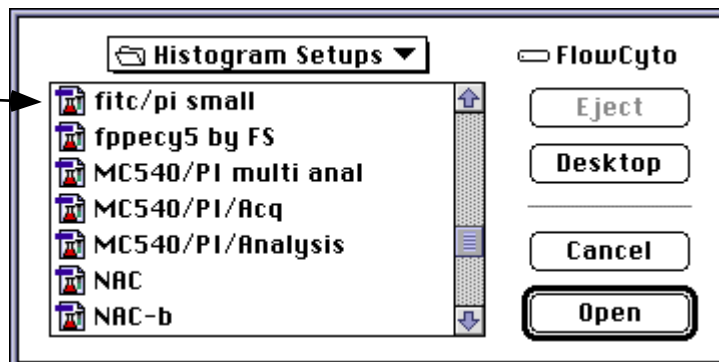
(if the window does not appear like this, then click on "desktop" and then on the investigator's folder then follow step 9)



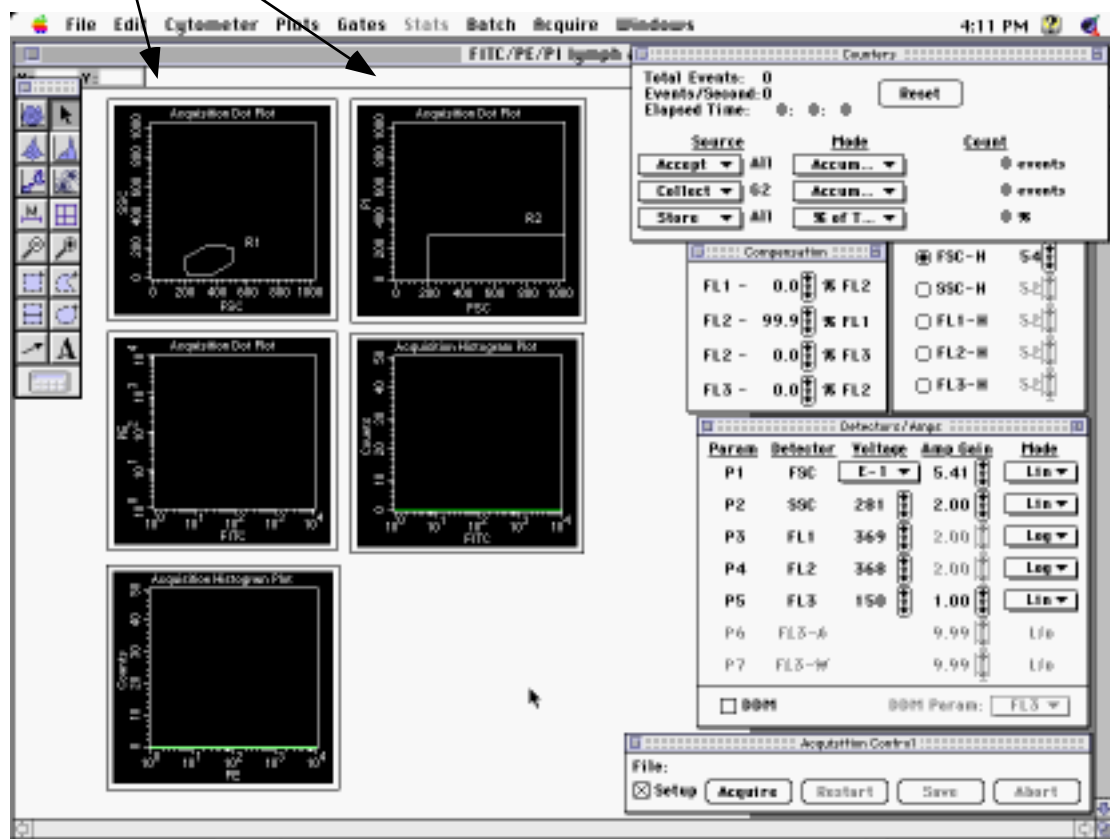
11. Double click on "Histogram Setups"



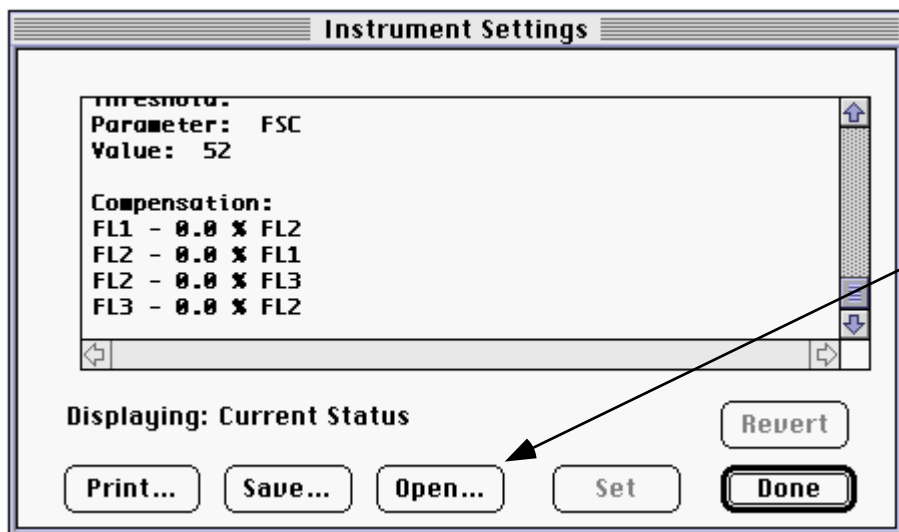
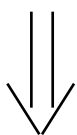
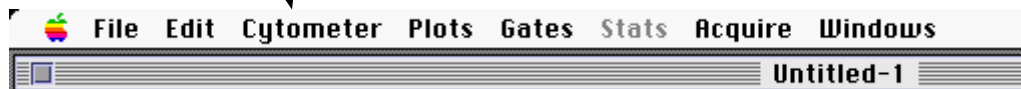
12. Double click on the appropriate setup



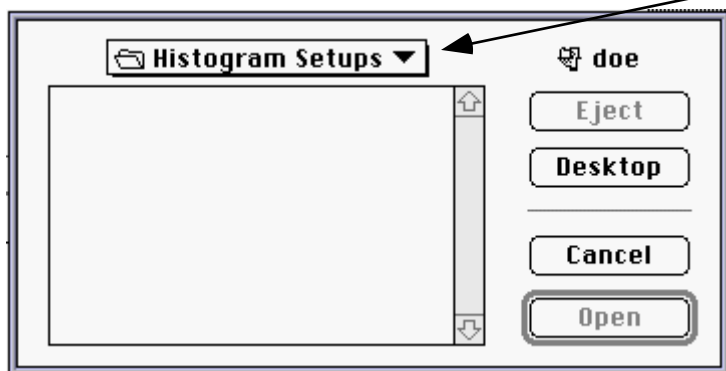
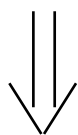
Histograms will appear in your CELLQuest window



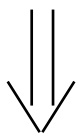
13. Go to **Cytometer** and **Instrument Settings**

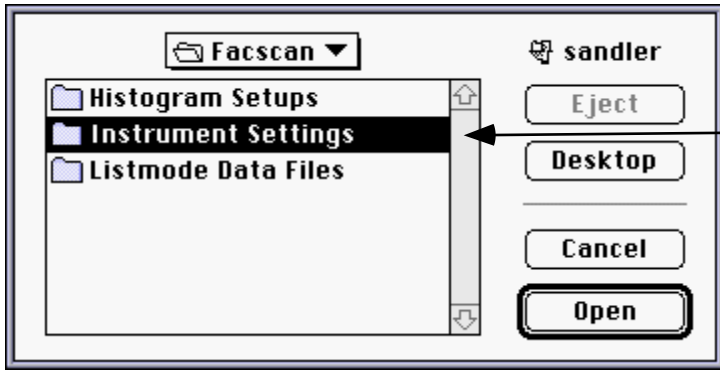


14. Click on **Open**

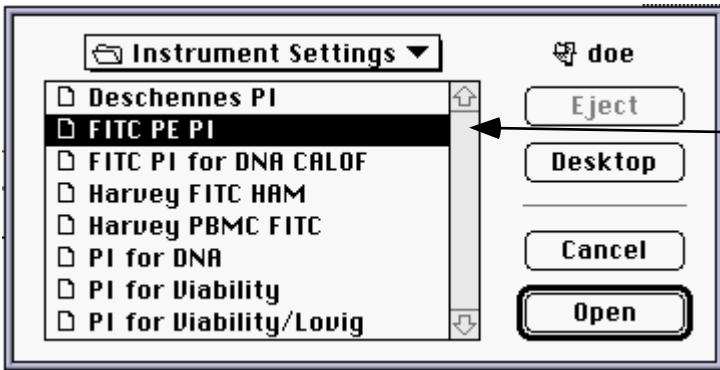
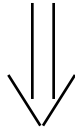


15. Click in this box and go to **FACScan**

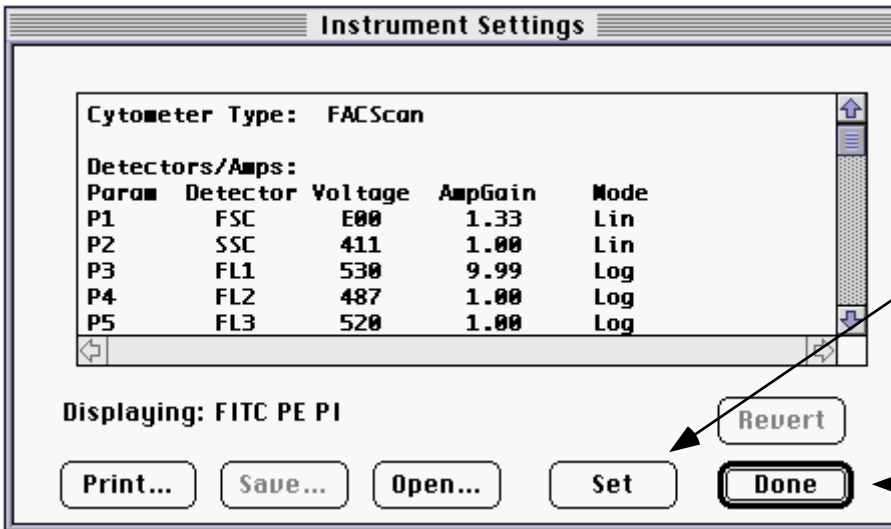




16. Double click on **Instrument Settings**



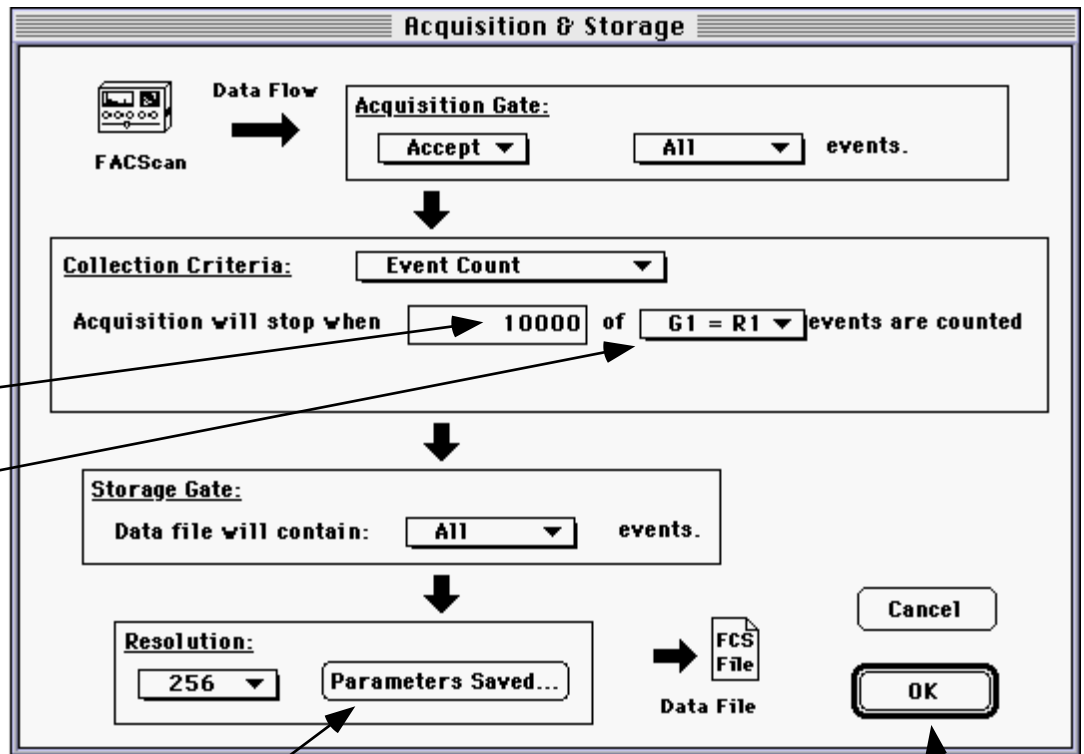
17. Double click on the appropriate file



18. Click on **Set** to load the instrument settings

19. Click on **Done**

20. Go to **Acquire** pull down menu and **Acquisition & Storage**

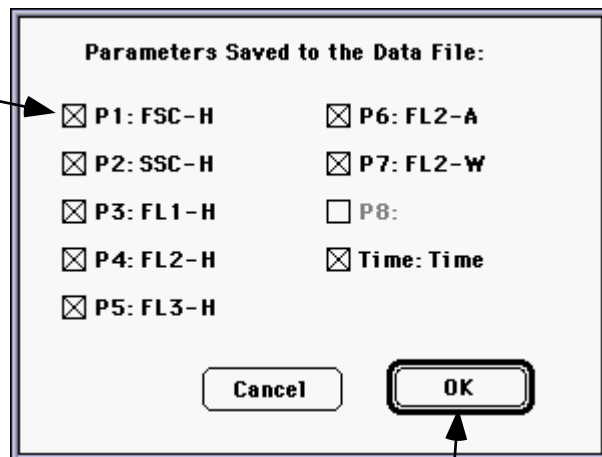


21. Set the number of events to be collected in this box and the gating criteria for stopping

22. Click on **Parameters Saved** box

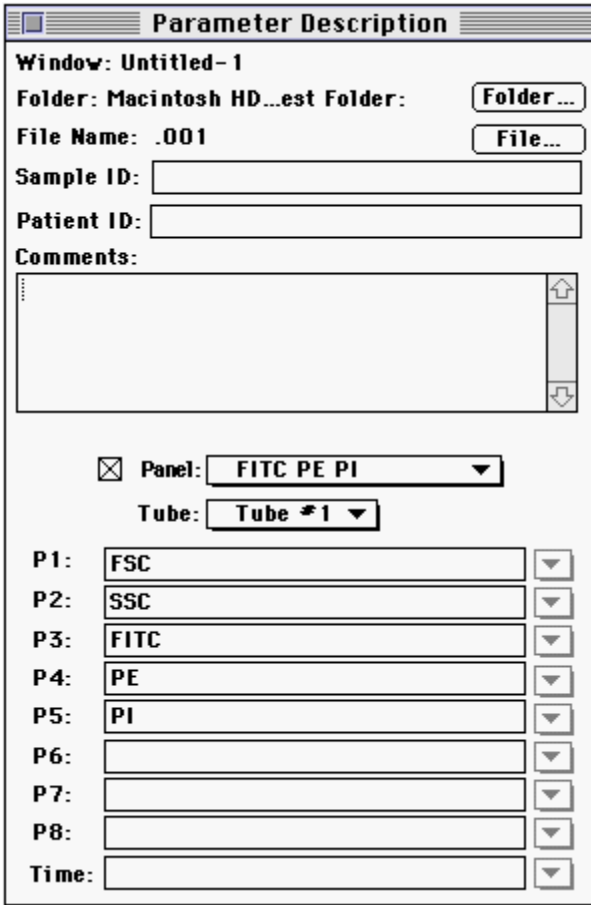
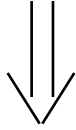
23. Click on parameters to be saved in listmode file

- P1: FSC = forward scatter
- P2: SSC = side scatter (orthogonal scatter)
- P3: FL1 = FITC
- P4: FL2 = PE (or PI)
- P5: FL3 = PI or PE/CY5 tandem
- P6: Pulse Area
- P7: Pulse Width

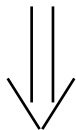


24. Click **OK** in **Parameters Saved** window and **Acquisition & Storage** window

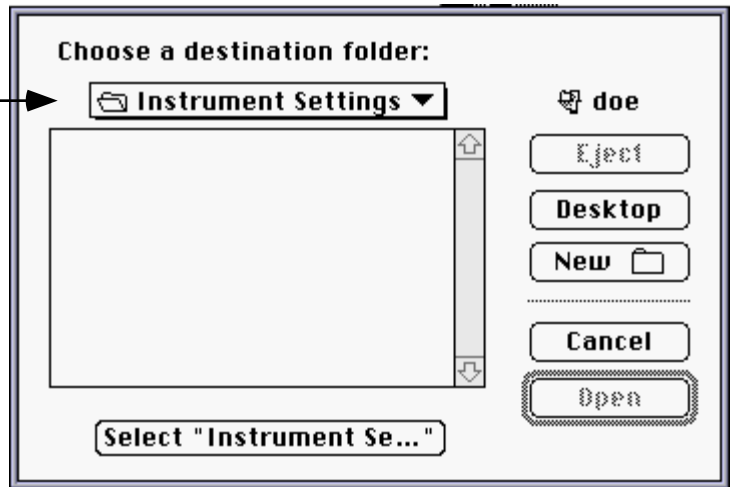
25. Go to **Acquire** pull down menu and **Parameter Description**



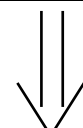
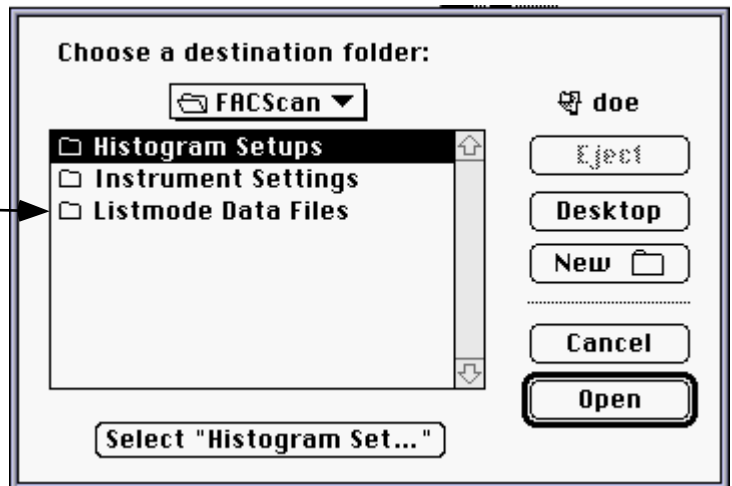
26. Click on **Folder** box



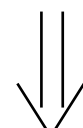
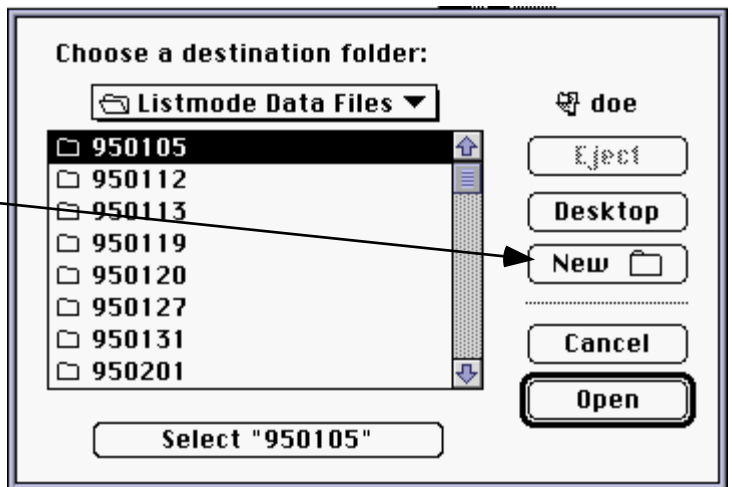
27. Go to **FACScan** here



28. Double click on **Listmode Data Files**



29. Click on **New**



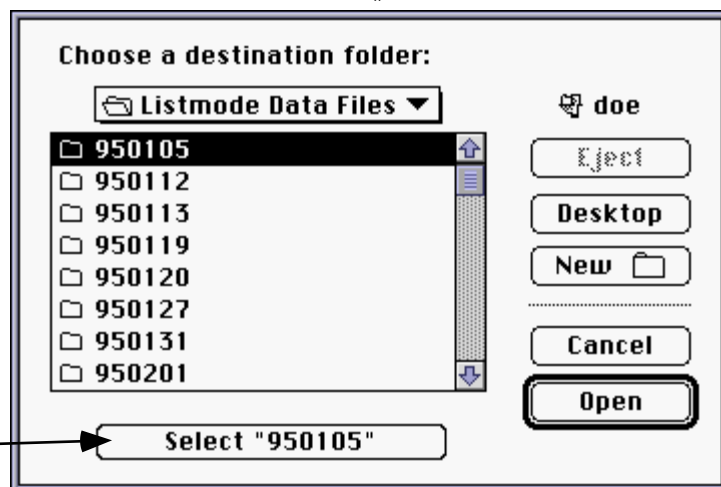
30. Put today's date in the box (yymmdd)
example: March 23, 1995 => 950323



NOTE

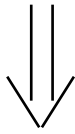
The Facility prefers that the above method be used for folder naming. If more than one person per lab is naming folders, the instrument operator's initials can be added to the end of the folder name to differentiate folders. If the above naming scheme is not used, it makes it much more difficult to track files for archiving purposes.

31. Click on **Create**



32. Click on **Select box**





Parameter Description

Window: Untitled-1

Folder: doe:FACScan...les:950323:

File Name: 950323.001

Sample ID:

Patient ID:

Comments:

Panel:

Tube:

P1:

P2:

P3:

P4:

P5:

P6:

P7:

P8:

Time:

33. Click on **File** box



File Name Editor

Custom Prefix:

File Name Prefix:

File Name Suffix:

File Count:

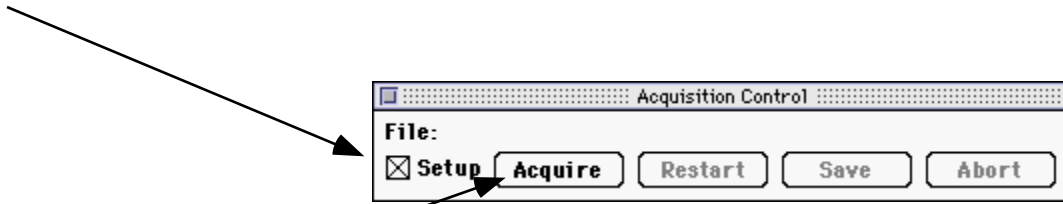
34. Put today's date in the box (yymmdd)

Example: March 23, 1995 => 950323

35. Change file count to **1** if it not already set

36. Click **OK**

Cellquest defaults to setup mode so that instrument settings can be adjusted without acquiring a data file.



Click on Acquire to make data show on the screen with a sample running on the instrument.



When you are satisfied with the instrument settings click on Pause



Click on Abort



Click on the Setup box



You are now ready to collect into a data file

Click on Acquire

