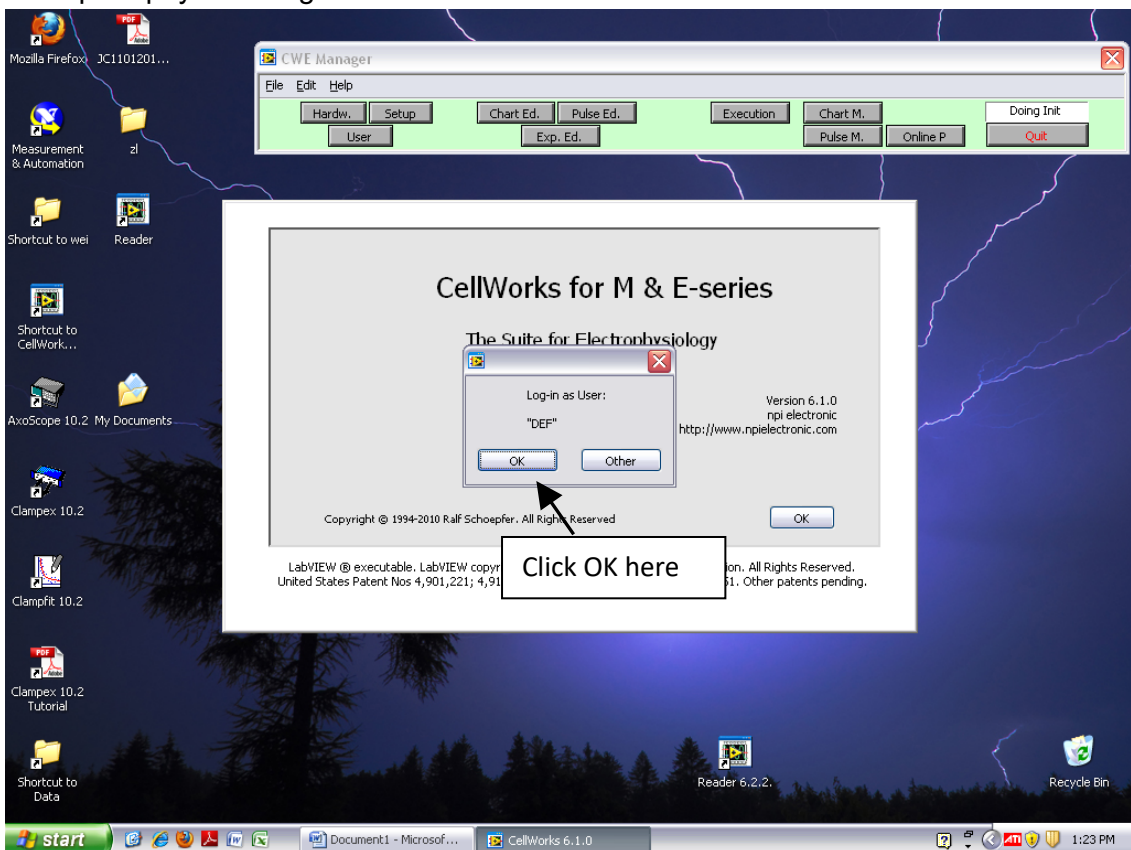
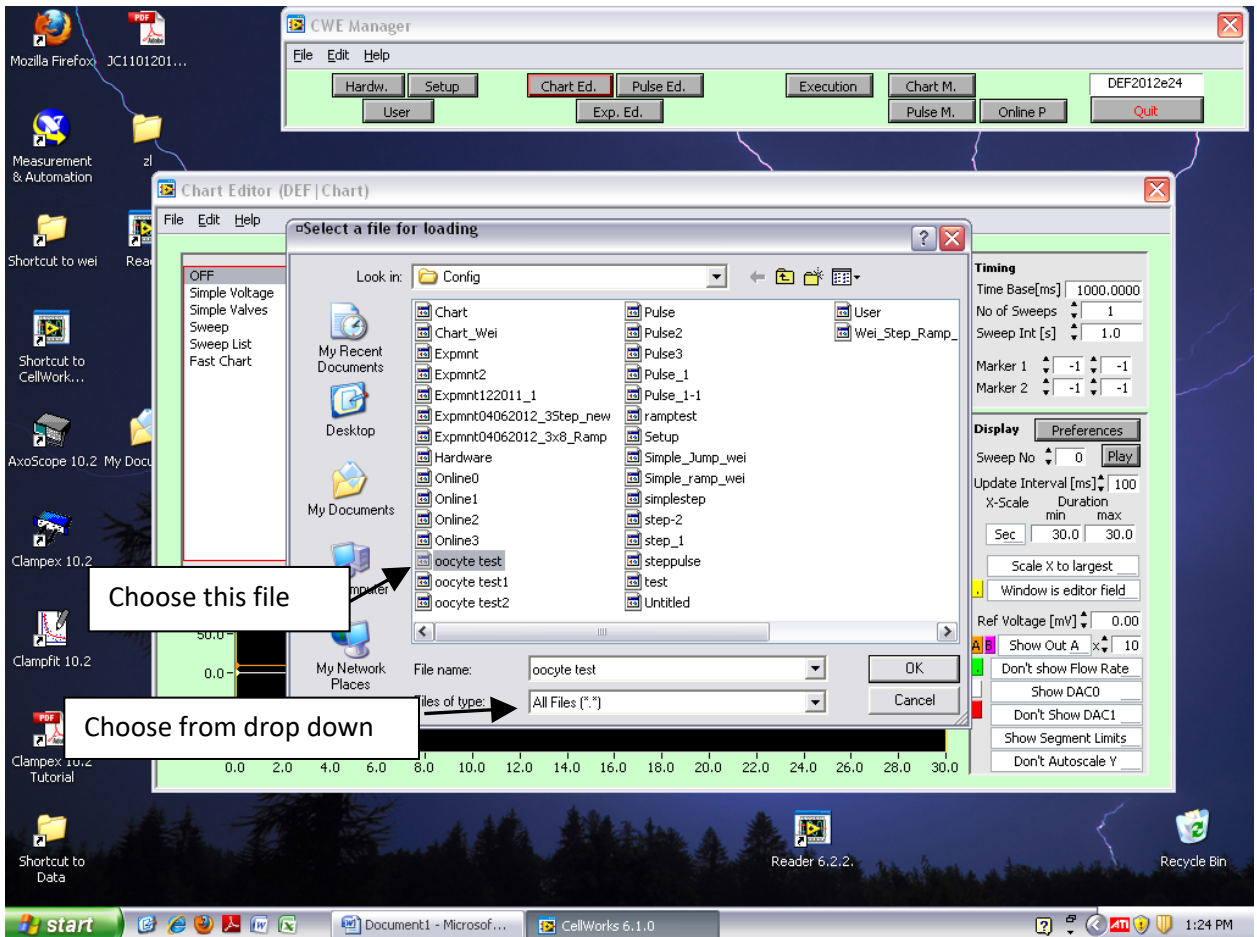


Oocyte recording protocol

- 1) Turn on the amplifier and allow it to warm up for at least 30 minutes before starting your experiments.
- 2) Pull recording electrode pipettes using program #94 on the puller.
- 3) Bleach the electrodes (wires only!) for approximately 10 minutes. Rinse thoroughly with dH_2O and replace the electrodes.
- 4) Fill the electrode pipettes with 3M KCl and gently flick out any bubbles. Place the electrode pipettes onto the electrodes.
- 5) **Note: The voltage (potential) electrode is on the left and the current electrode is the right.**
- 6) Perfuse buffer (ND96) into the bath and lower the tip of the electrodes into bath.
- 7) Check the resistance of the electrodes. The resistance should be less than 2.5. It is more important for the current electrode to have a low resistance than the potential electrode.
- 8) Turn on the computer. Choose user "oocyte." The password is "cmontell."
- 9) Open the CellWorks program.
- 10) It will prompt you to Log-in as User: "DEF". Select OK



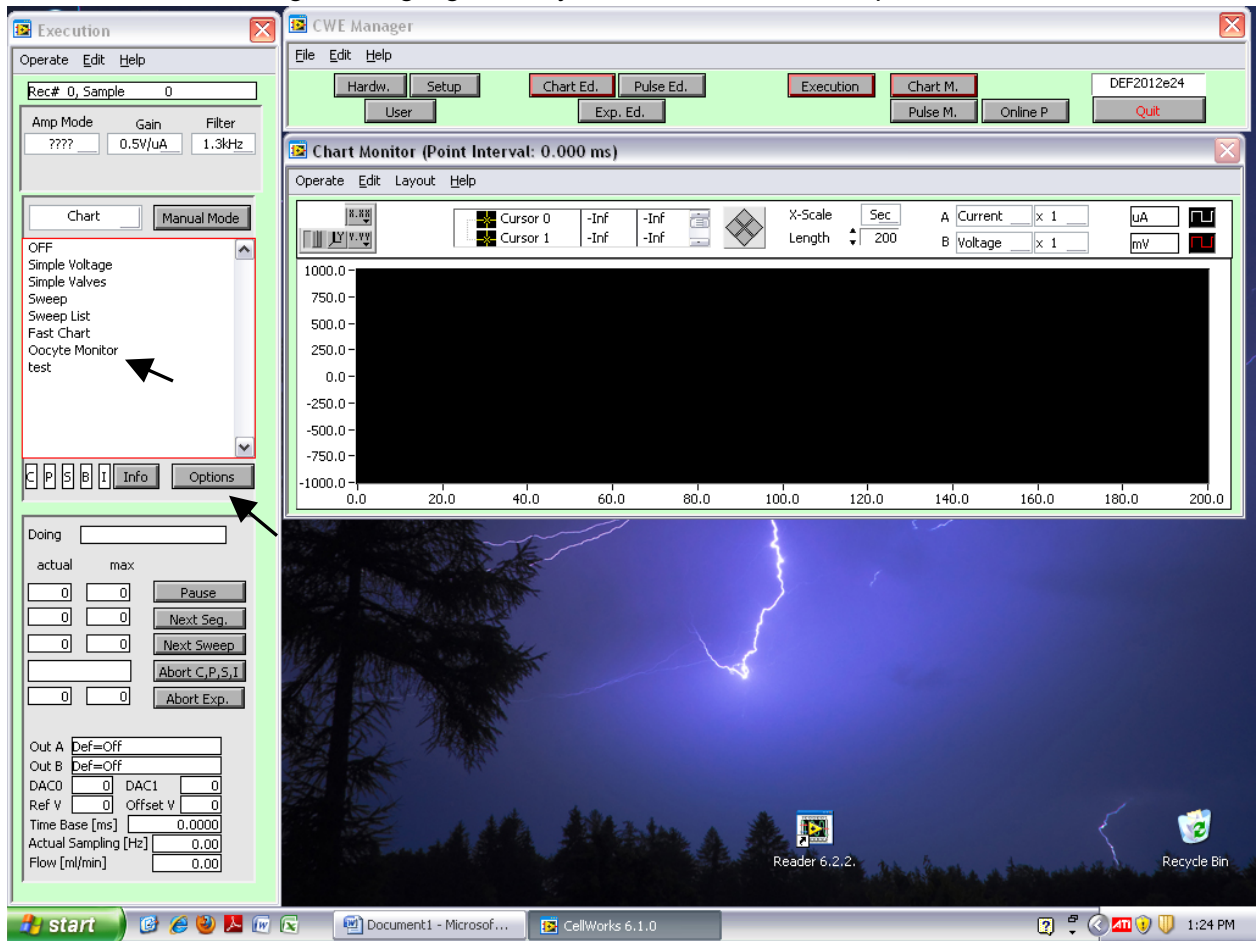
- 11) Click on "Chart Ed"
- 12) Select "File Types" drop menu and choose "All files". Select file "oocyte test"
- 13) Click OK. Then File → Exit/Close



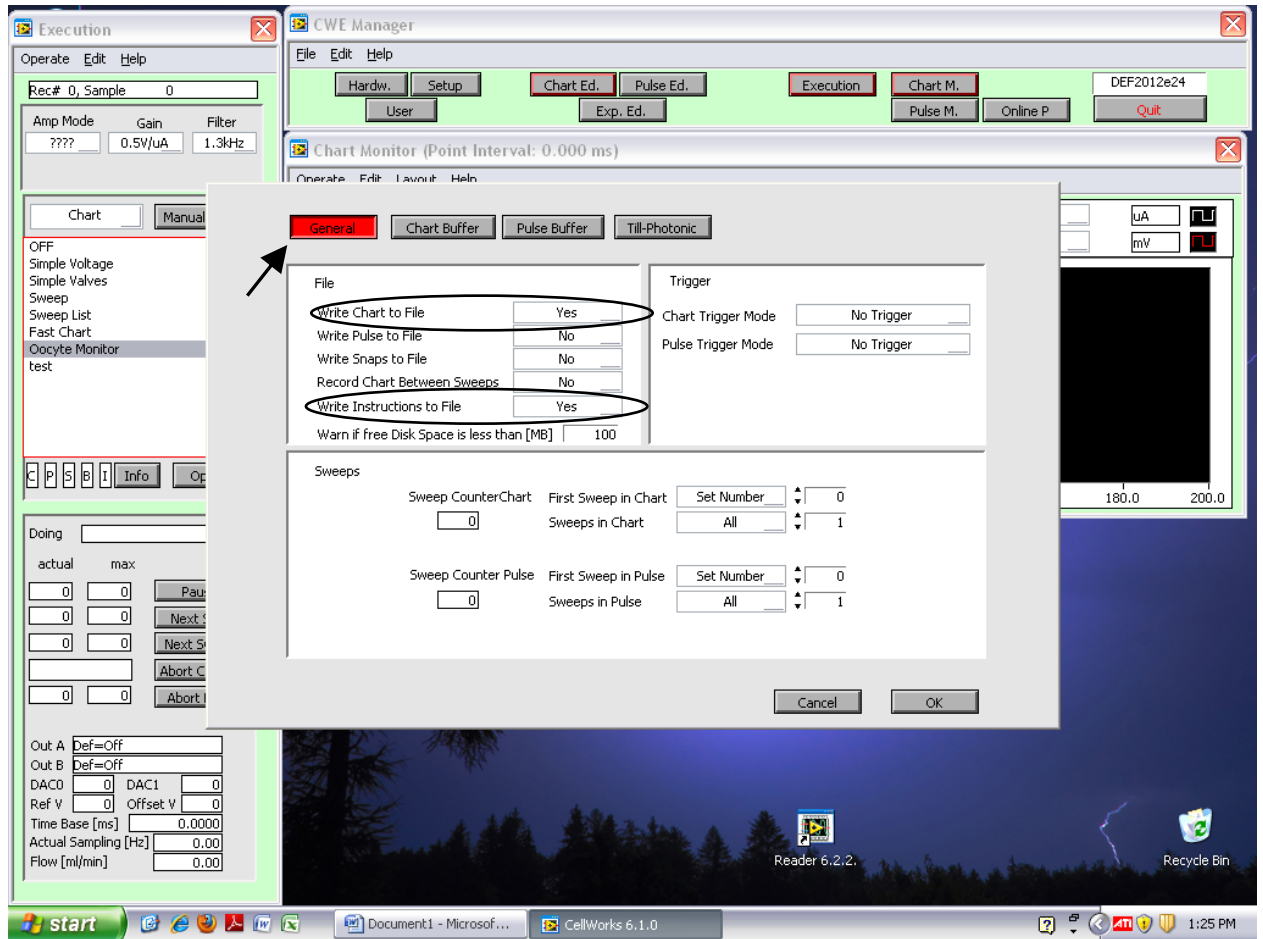
14) Click on "Execution" and "Chart M"



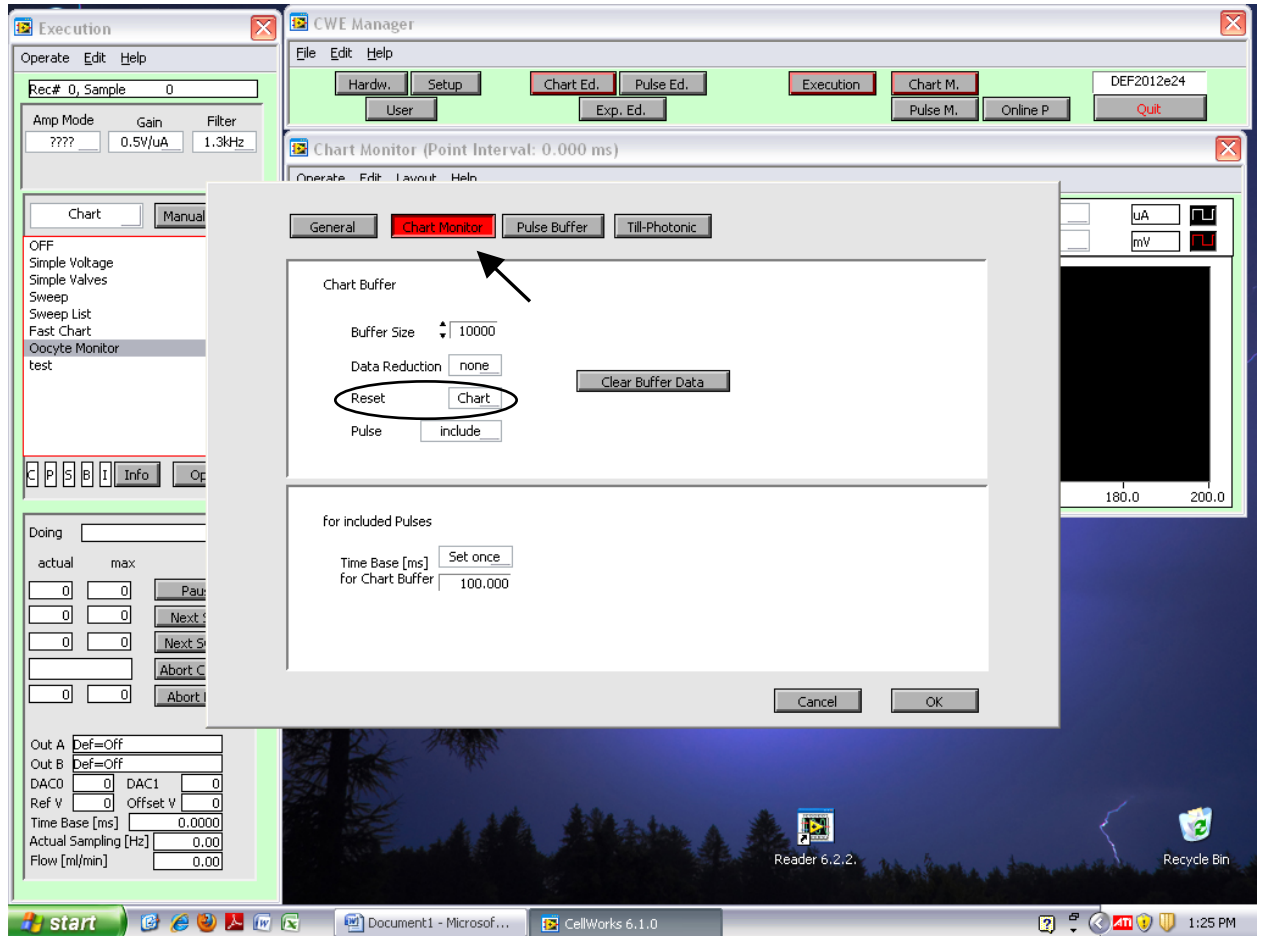
15) In the Execution dialog box, highlight "Oocyte Monitor" and click "Options"



16) In the "General" tab of the options dialog box, choose Write chart to file → Yes, and Write instructions to file → Yes.



- 17) In the “Chart Buffer” tab of the options dialog box, choose Reset → Chart.
- 18) Close the options dialog box.
- 19) In the Chart M window, choose “None” for B and click the scale button to scale automatically.
- 20) Click OK.



- 21) Double click “Oocyte Monitor” to start experiment. The experiment will automatically be saved according to the date and time that you start the experiment, so keep a record of both.