Example of using **“Homo and Hetero-FRET fifo.pxp”** analysis tool:

Use Igor-Pro vs 8 running on a Mac

This data set has 3 measurements of our UrVA sample construct.

1. Create folder name Example on Desktop.
2. Create folder name UrVA inside the “Example” folder
3. Store measure\_c1.asc, measure\_c2.asc and measure\_c3.asc files data in folder “Example/UrVA”
4. Store “dark120\_c1.asc” in folder “Example”
5. Start the “Homo and Hetero-FRET fifo.pxp” software.
6. On the “Analysis” panel, set value of “g factor” equal to 1.07
7. Click “Load Background Noise” button
8. Select “All files (\*)” drop menu
9. Select “dark120\_c1.asc” and click Open button
10. Click “Load Data (Bundle)” button
11. Navigate to desktop
12. Select folder “Example”, click Open button
13. Lifetime table shows the calculations of lifetime
14. SSA table (behind Lifetime and CR tables) shows the calculations of steady state anisotropy.

This analysis should yield three lifetime measurements for the three samples measured (3.080 ns. 3.078 ns, 3.078) and three steady state anisotropy measurements (0.464, 0.468, 0.465).