

Using FlowJo via BioOptics' Facility

FlowJo is a software for analysing Flow Cytometry data (.fcs files).

BioOptics' Facility is providing resources and assistance to researchers of the IMP, IMBA and GMI. This document describes how FlowJo is made available.

Chapters

1. Virtual Machines
2. Personalized Licenses
3. Using FlowJo via a cloud account

1. Virtual Machines

Initial access to FlowJo is likely made via the virtual machines.

Five virtual machines are available:

flowjo-1.imp.ac.at

flowjo-2.imp.ac.at

flowjo-3.imp.ac.at

flowjo-4.imp.ac.at

flowjo-5.imp.ac.at

Connecting to a virtual machine on Windows:

- Bring up the windows start menu
- Start typing 'Remote Desktop Connection' and click on the application as it comes up in the 'best match section'.
- In the 'Computer' line, please enter one of the above virtual machine names.
- Hit 'Connect' and enter your credentials.

You are now connected to the selected virtual machine.

Please make sure to book the virtual machine in the PPMS booking calendar before use. ppms.eu/vbc

For ending the session, please use the "Sign out" function and do not just "x close".

2. Personalized Licenses

A limited number of personalized licenses are in circulation.

A personalized license allows the use of FlowJo on any local installation, independent of the virtual machines.

In the event of a license seat becoming available, it is offered to a "heavy user" of the virtual machines.

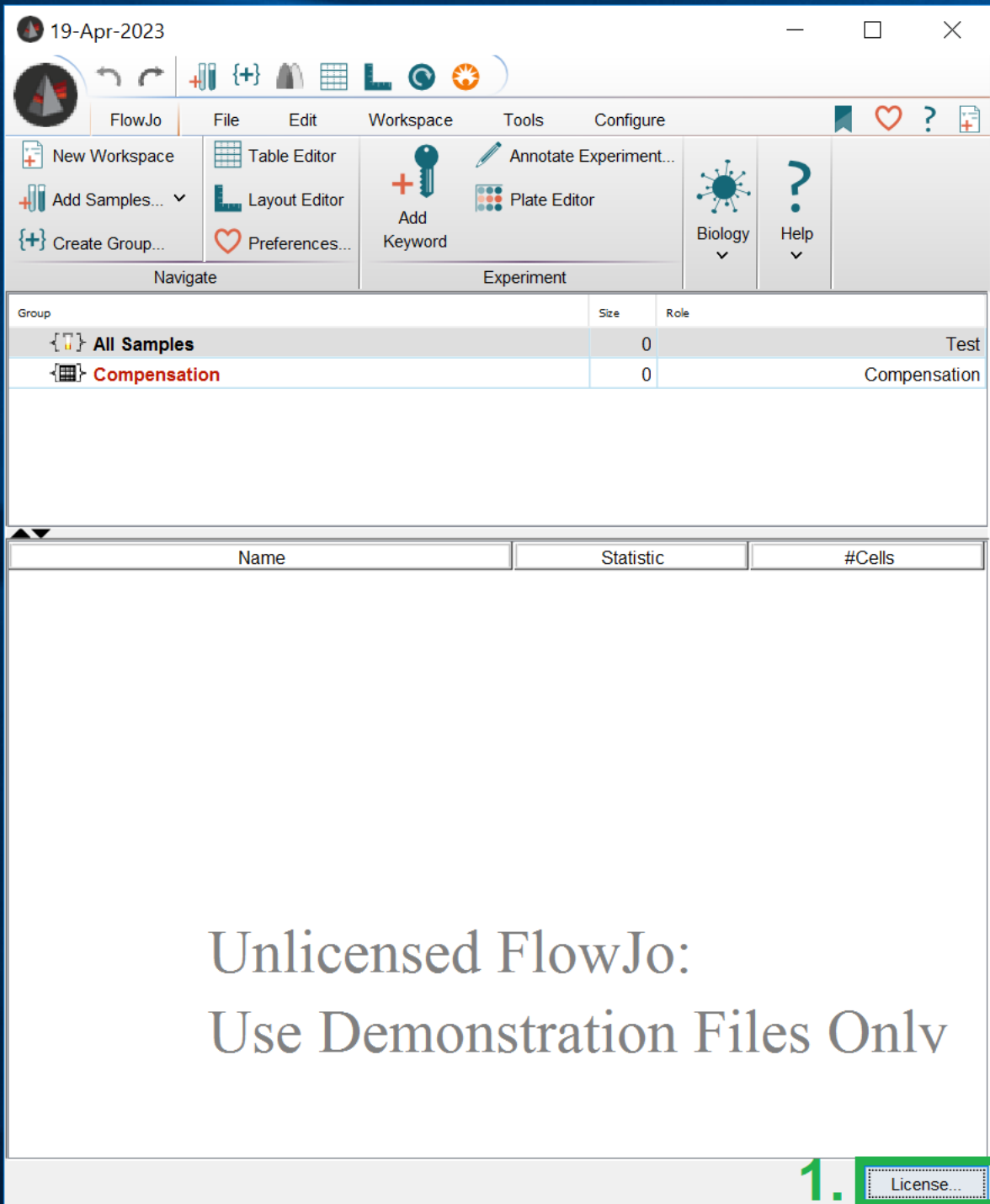
A "waiting list" as such, does not exist.

3. Using FlowJo via a cloud account

The following is an explanation on how to switch the license of FlowJo to the cloud model.

This is relevant both for working on the virtual machines, as well as for personalized licenses.

Launch FlowJo and click on 1. "License".



The screenshot shows the FlowJo software interface. The window title is "19-Apr-2023". The menu bar includes "FlowJo", "File", "Edit", "Workspace", "Tools", and "Configure". The toolbar contains icons for "New Workspace", "Add Samples...", "Create Group...", "Table Editor", "Layout Editor", "Preferences...", "Add Keyword", "Annotate Experiment...", "Plate Editor", "Biology", and "Help". Below the toolbar is a table with the following data:

Group	Size	Role
{ } All Samples	0	Test
{ } Compensation	0	Compensation

Below the table is a large empty area with a header row containing "Name", "Statistic", and "#Cells". In the bottom right corner, a green box highlights the number "1." and a button labeled "License...".

Next select **2.** “Use your FlowJo Portal account”.

If you already own a FlowJo Portal ID, please skip **3.** “Create FlowJo Portal ID”.

Otherwise please use your institute’s e-mail address (imp; imba; gmi) in the registration procedure.

Please note that Windows “Internet Explorer” has issues with the address the “Create Account” link is pointing to. Please use any other browser instead.

<https://cloud.flowjo.com/>

After you are done registering, return to FlowJo and close the licensing menu by pressing “OK”.

FlowJo License Information

2.

Use your FlowJo Portal account

Use a serial number license

3.

Create FlowJo Portal ID

Invalid serial number

Hardware Address: 0050568de9a7

Serial Number: R5A2dZ34ZA1WL13L

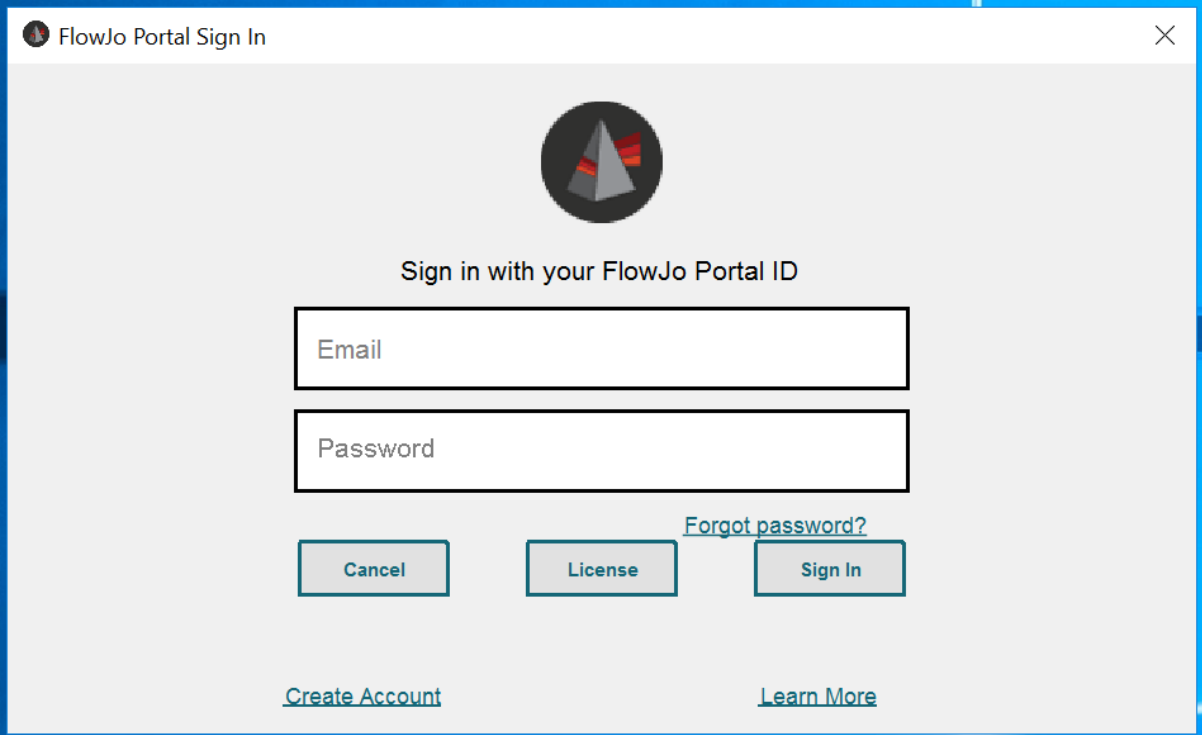
Use a hardware-based license (dongle)

Continue under free demonstration license

Read the [explanation of license types.](#)

OK

In the cloud-login pop-up provide your login credentials and sign in.



The image shows a 'FlowJo Portal Sign In' dialog box. At the top left is the title 'FlowJo Portal Sign In' and a close button 'X' at the top right. In the center is the FlowJo logo, a stylized 'F' with red and grey elements. Below the logo is the text 'Sign in with your FlowJo Portal ID'. There are two input fields: 'Email' and 'Password'. Below the 'Password' field is a link 'Forgot password?'. At the bottom, there are three buttons: 'Cancel', 'License', and 'Sign In'. At the very bottom, there are two links: 'Create Account' and 'Learn More'.

FlowJo Portal Sign In

Sign in with your FlowJo Portal ID

Email

Password

[Forgot password?](#)

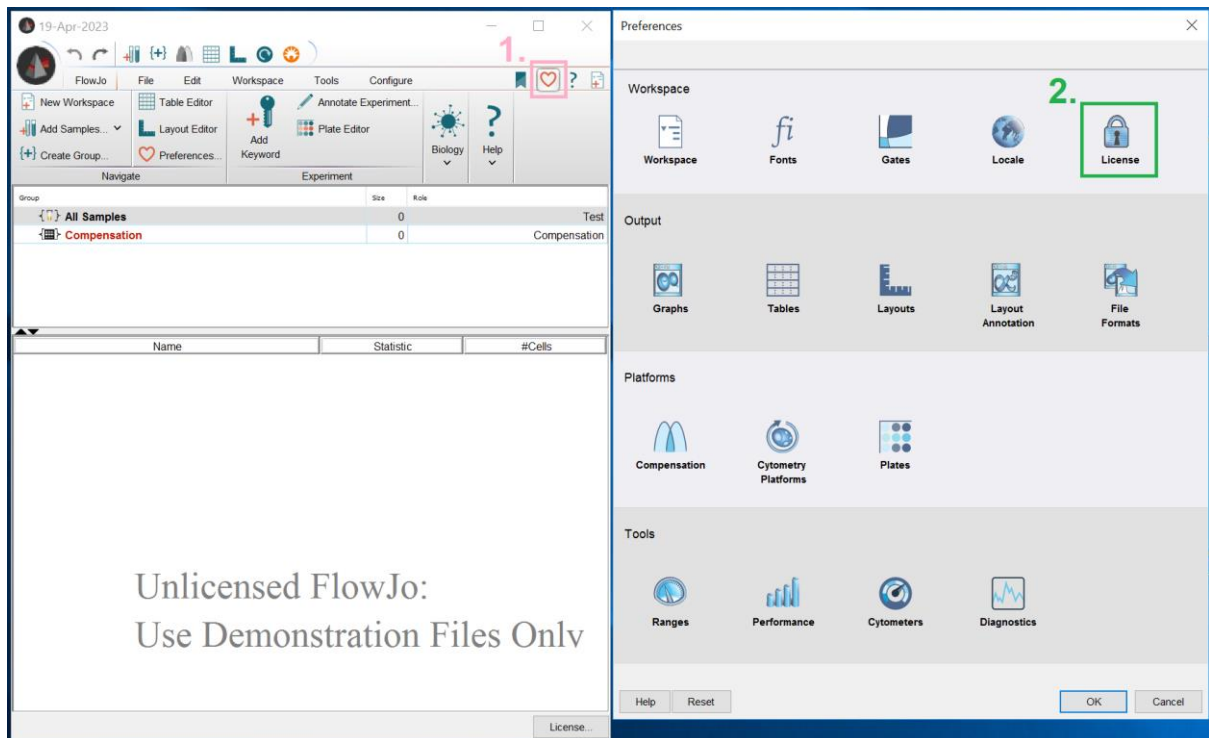
Cancel License Sign In

[Create Account](#) [Learn More](#)

Bonus Information

It is possible to make FlowJo remember your Cloud Login credentials.

After having launched FlowJo, click on the 1. “Heart Icon” and in the following menu onto the 2. “padlock”-“License” icon.



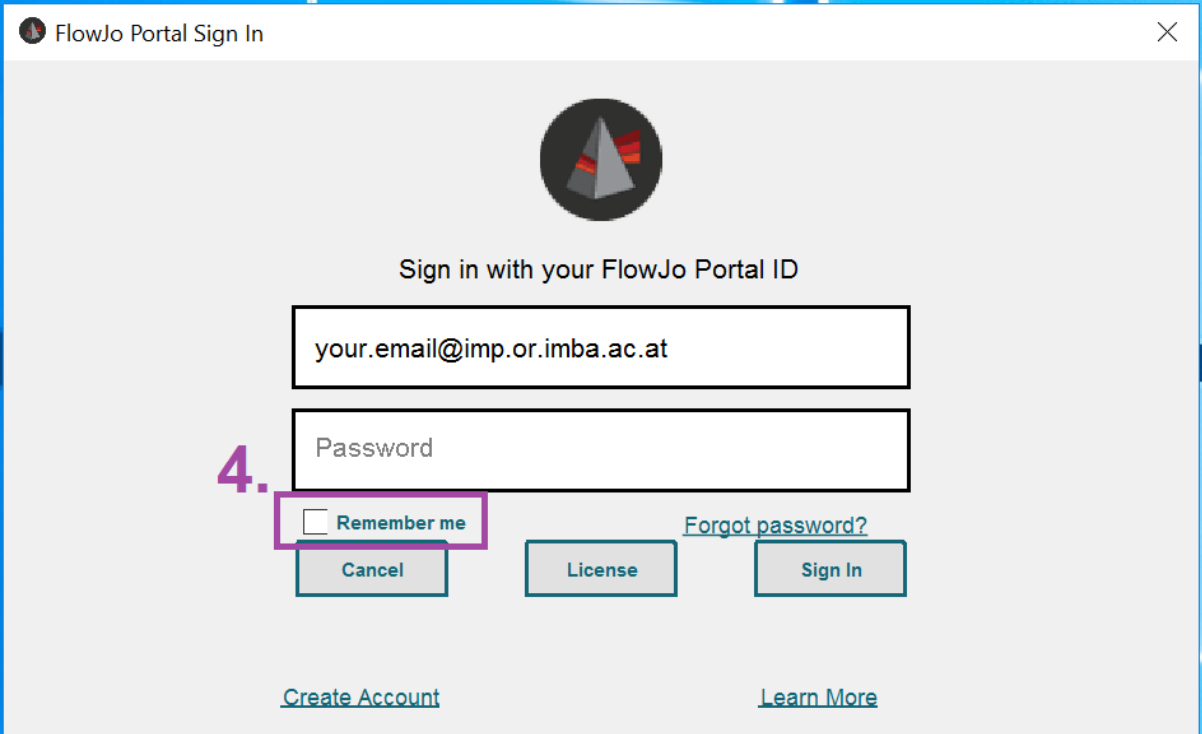
Next, check the box as indicated in 3. "Show Remember Me". Fill in "Email" in case it has not taken your e-mail address by default. Then close FlowJo and launch it again.

The image shows a 'FlowJo: License' dialog box with the following sections:

- Current License:** Authorized: Demo Mode. Includes a 'FlowJo Portal Sign in' button.
- FlowJo Portal Account:** This section is highlighted with an orange box. It contains an 'Email' field with the placeholder 'your.email@imp.or.imba.ac.at' and a checked 'Show Remember Me' checkbox. A 'FlowJo Portal' button is also present.
- Serial Number:** Displays an 'Invalid serial number' error. The 'Hardware Address' is '0050568de9a7' and the 'Serial Number' is 'R5A2dZ34ZA1WL13L'.
- Proxy Settings:** Includes a 'View Proxy Settings' button and a checked 'Use HTTPS for authentication requests' checkbox.
- Email Options:** 'Default Addressee' is 'bugreports@flowjo.com'. There is an empty 'Reply-To Address' field and a checked 'Email problems to FlowJo' checkbox.
- Permissions:** 'Authorization Level' is set to 'Full'. A grid of permissions is shown, all of which are checked: Add Samples, Add Gates, Edit Gates, Add Reports, Edit Reports, Run Batches, Save Workspace, Save Template, Set Preferences, Edit Ribbons, and Edit Population Names. At the bottom, 'Check For New Versions' is checked and 'Check For New Beta Versions' is unchecked.

Buttons at the bottom include 'Help', 'Reset', 'OK', and 'Cancel'.

After re-launch, the login dialogue will now show the 4. “Remember me” box. Check the box for automatically bypassing the login popup next time you log in.



The image shows a screenshot of the FlowJo Portal Sign In dialog box. The dialog has a title bar with the text "FlowJo Portal Sign In" and a close button (X) in the top right corner. The main content area features a circular logo at the top center, followed by the text "Sign in with your FlowJo Portal ID". Below this, there are two input fields: the first contains the email address "your.email@imp.or.imba.ac.at" and the second is labeled "Password". A purple number "4." is positioned to the left of the "Remember me" checkbox, which is highlighted with a purple box. To the right of the "Remember me" checkbox is a blue link labeled "Forgot password?". Below these elements are three buttons: "Cancel", "License", and "Sign In". At the bottom of the dialog, there are two blue links: "Create Account" on the left and "Learn More" on the right.

FlowJo Portal Sign In

Sign in with your FlowJo Portal ID

your.email@imp.or.imba.ac.at

Password

4. Remember me

[Forgot password?](#)

Cancel License Sign In

[Create Account](#) [Learn More](#)