

Imaris Software

Imaris is a powerful software platform for visualizing, analyzing, and interpreting 3D and 4D microscopic images. New Imaris version 11 simplifies complex 3D/4D image analysis by directly integrating machine learning (ML)-based pixel classification and segmentation into automated, step-by-step Imaris workflows.

Main Features of Applications:

- **3D/4D Visualization:** Leverages specialized file formats (ims) to smoothly render multi-gigabyte, multi-channel, time-lapse, and Z-stack microscopy datasets. It also features the ability to automatically perform multiple filtering processes for surface rendering and output grouped statistical results in CSV or Excel format.
- **Machine Learning Filters (ML-based segmentation):** Equipped with machine learning tools such as a pixel classifier, it allows you to separate the background from the object using simple brush strokes.
- **Specialized Modules:** Includes packages for cell tracking, measurement of fibrous structures, colocalization analysis, cell segmentation, and deconvolution.

Two Ways to Use Imaris Software (two types of licenses):

- **Floating License:**

Workstation Rooms (2 rooms): There are a total of three computers capable of running Imaris software (two in Room HSC 60 and one in Room HCI 1470), operating with a maximum of two floating licenses.

- **Satellite License:**

Using Imaris outside the workstation: This option is recommended for users working from home and for power users handling large datasets.