

Imaris 9.6 - Classify Your World

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IMARIS

As biologists we use classification to better understand the living world around us. Classification allows us to simplify the variations we perceive, from the extensive taxonomy of organisms to the various types of endosomes in cells to the grouping of phenotypes in our experiments. Imaris 9.6 makes the classification of objects detected in your images easier than before with new tools including Machine Learning. Not only is assigning a class to the objects found in your image easier, but also the reporting and presentation of the differences across classes.

The power of Imaris 9.6 lies in the enhanced simplicity and new capabilities for downstream analysis. Analysing your data within regions of interest, splitting objects into several classes based on their properties or neighbourhood, comparing the classes is the most straight forward thing now. This unique functionality is built on a combination of several features:

- Machine Learning Object Classifier with new machine learning statistics
- Classification Step in Spot and Surface Creation wizards (1D, 2D and Machine Learning)
- New statistics to describe Spots density
- Comparison between classes within Vantage 1D and new 2D Scatterplot

The presentation given by **Dr. Nick Jones** will bring an overview of the latest introduced features in the Imaris software.