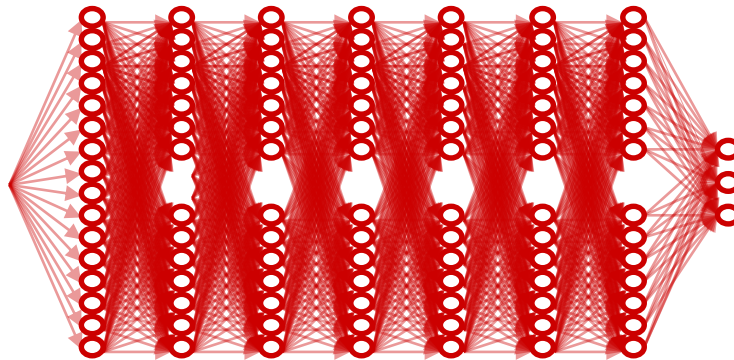


Deep Learning-based Segmentation for Biologists



April 26th-28th 2022

This workshop focuses on the use of Artificial Intelligence to segment 2D and 3D biological objects in microscopy.

Participants will learn how to train and process deep convolutional neural networks for semantic and instance segmentation applied to 2D and 3D microscopic images, from annotations to analysis. This workshop will introduce theoretical knowledge required to train deep learning models. Participants will learn how to install Python packages and Jupyter notebooks, use the ImageJ plugin Annotater, train deep learning models and use them to segment tissue and nuclei in 2D and 3D fluorescence microscopic images.

To sign up for the workshop: send an email to Thierry Pécot (thierry.pecot@univ-rennes1.fr) quickly describing your experience with image analysis and why you want to attend the workshop.

