

Practical Workshop on image data handling - The ACQUIFER HIVE

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Abstract

Light sheet microscopy is a powerful imaging technique that enables the visualization of three-dimensional structures in living specimens with high spatiotemporal resolution. However, the generation and analysis of large light sheet microscopy datasets present significant challenges due to their size, complexity, and heterogeneity. These challenges include data storage, management, processing, and visualization.

In this workshop, we will present the workflow of image data handling with LUXENDO light sheet and ACQUIFER HIVE. The HIVE provides a scalable, flexible, and extensible framework for handling light sheet data, allowing researchers to manage and process their data efficiently and effectively. It is designed as a modular platform that is configured for your specific applications and will grow with your needs.

As the established solution for efficient and safe management and storage of large image data without USB drives or network copy, the HIVE will simplify light sheet data processing significantly.

