



OMERO Plus for CQ

Combining high content image acquisition with data management

The Challenge

High Content Screening (HCS) generates terabytes of imaging data, yet most labs struggle with fragmented storage across instrument workstations, manual file transfers, and no remote access to results. Researchers waste time hunting for data instead of analyzing it, and the valuable experimental context can be lost in the shuffle.

CellVoyager CQ Series

The Yokogawa CellVoyager CQ series of microscopes offer high-throughput confocal imaging in a convenient benchtop format. Built around Yokogawa's proven CSU spinning-disk confocal technology, these instruments produce large volumes of high content imaging data which demands a comprehensive storage and management solution.

OMERO Plus

Glencoe Software's OMERO Plus platform is the industry standard for enterprise-level image data management. Backed by the Bio-Formats library, OMERO Plus can efficiently manage over 170 scientific image data formats across multiple domains. OMERO Plus enables remote storage and access of image data alongside experimental and analytical metadata within a powerful, web-based interface.

OMERO Plus for CQ — The Integration

Together, Glencoe Software and Yokogawa Corporation of America are launching the integrated OMERO Plus for CQ platform to bring automated data management to CellVoyager benchtop microscopes. With this fully integrated platform, CQ-imaged plates are automatically registered and managed in OMERO Plus. The system saves data directly to network storage, eliminating local disk management and providing flexibility in storage solutions. The web interface and APIs for OMERO Plus are accessible for users to view, annotate, query, and analyze their data remotely.



Path to Enterprise

While OMERO Plus for CQ is designed to integrate tightly with the CellVoyager series of microscopes, many users will want to consolidate data from numerous acquisition systems across labs and sites. The system readily upgrades to a full OMERO Plus Enterprise solution, supporting data from hundreds of file formats across different scientific domains and scaling to the world's largest organizations.

Coming soon

Stay tuned for the official release of OMERO Plus for CQ from Yokogawa Corporation of America and Glencoe Software, but this integration will be first demonstrated at SLAS 2026 in Boston. Come see the Yokogawa and Glencoe teams at Booth 1163.

Contact

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