

**Thermo Fisher Scientific**

## **Image acquisition and analysis solutions for volume EM and cryo-tomography**

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**Presenter(s):**

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**Abstract:**

For cell and structural biology, FIB/SEM microscopes have emerged as indispensable tools, both for the preparation of electron-transparent samples for cryo-tomography and as tools for volumetric imaging of biological samples at room temperature and under cryogenic conditions. In all volume and cryo-EM workflows, visualization and analysis of image data is the final goal that contributes significantly to the discovery of new biological insights. In this [seminar] we will provide an overview of our latest FIB/SEM developments and show how volumetric data from biological samples can be segmented and analyzed using Amira software - our framework for 3D data visualization and processing.