



FEI workflow solutions for Structural and Cellular Biology

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FEI has developed several workflows for Structural and Cellular electron microscopy which will allow researchers to answer important biological questions. For Structural Biology there is one workflow focusing on single particle analysis to resolve the structure of isolated proteins and macromolecular machines at the sub-nanometer resolution using the latest detector and imaging technology. A second workflow is focusing on cellular cryo-electron tomography in which high quality, side specific samples for cryo-tomography are prepared by cryo-FIB thinning followed by subsequent automated cryo-tomography to resolve structures at the nm scale.

For other questions it is important to reveal structures and interactions of cells in a cellular context. By means of correlative techniques we can now target specific areas for subsequent 3-dimensional imaging either by FIB slice & view or by means of serial block face imaging.

In this workshop we will present you an overview of the different workflows and present some latest results obtained by these workflows.