Workflow idea 2b

Mitochondria detection in high resolution HeLa cell images

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Goal: Detect individual mitochondria in the 3D image stack and report 3D morphological parameters such as volume, shape, surface area, etc.

Dataset / image information: Same dataset as in Workflow idea 2a

File name: WF02_Hela.zip
Total 1465 tif images
Voxel size 5 nm x 5 nm x 8 nm

Expected difficulty level: Medium to Hard

Expected challenge(s): Detection of smaller mitochondria, especially as you go through the 3D volume slice by slice.