Imaris Part 1: File conversion and opening files

Imaris requires IMS files as input. Imaris File Converter can be used to convert your files into *.ims so you can visualize them in Imaris.

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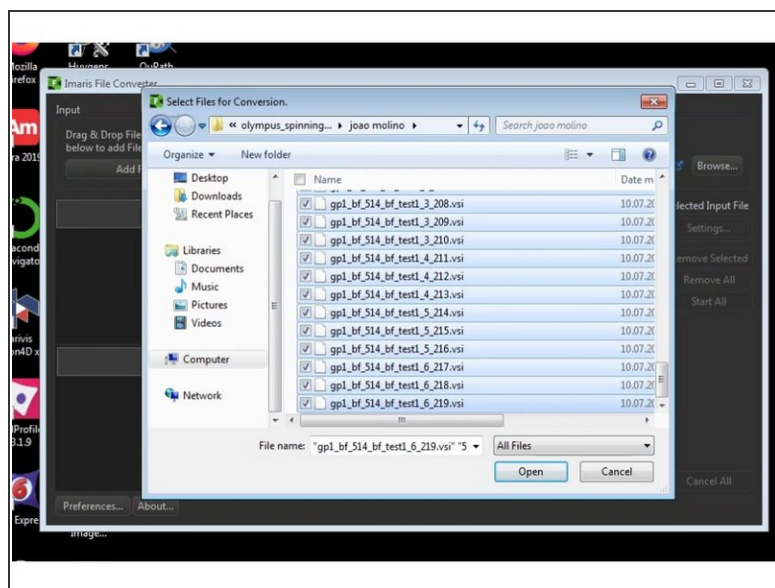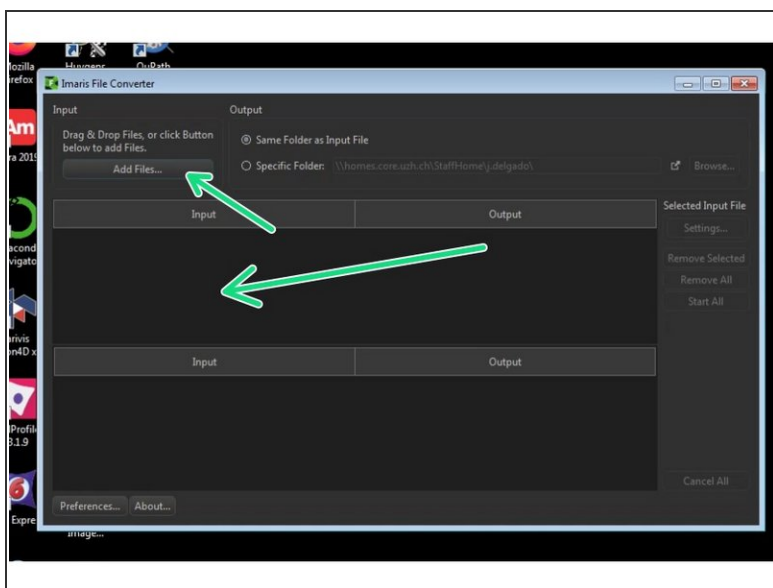
INTRODUCTION

Imaris requires IMS files as input. Imaris File Converter can be used to convert your files into *.ims so you can visualize them in Imaris.

Step 1 — Open Imaris File Converter

- Reserve and open a ZMB image processing virtual machine.
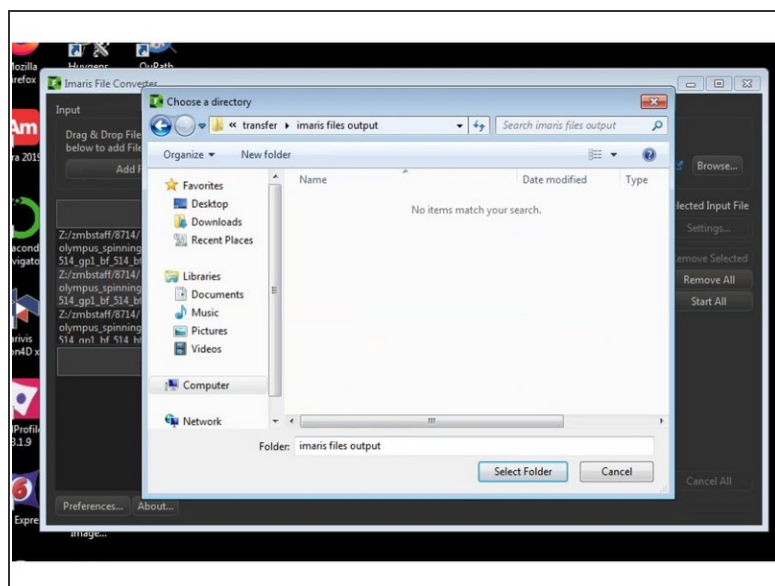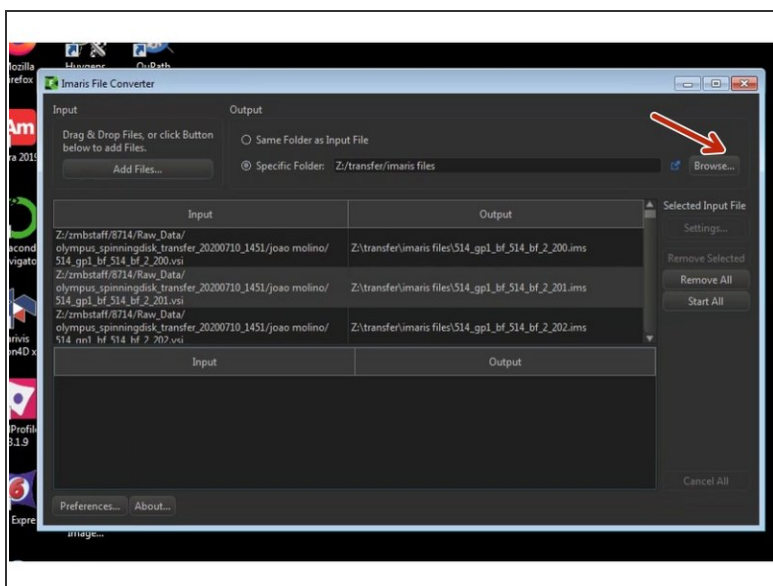
- Open ImarisFileConverter.

Step 2 — Choose files

- Either Drag & Drop the files you wish to convert, or click "Add Files...".

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Step 3 — Bug 13370 - Leica *lif and voxel size

- If you have *.lif (Leica) files containing 2D and 3D you might be asked to change the voxel size.

⚠ Imaris 9.9 is not able to handle LIF files with mixed 2D and 3D datasets.

- If your files have different z step sizes this change will affect all your files!

- You can hoover over your file name to check the dimensions of the different datasets.

ⓘ Until this bug is fixed please use the workaround of doing the conversion in Imaris Arena.

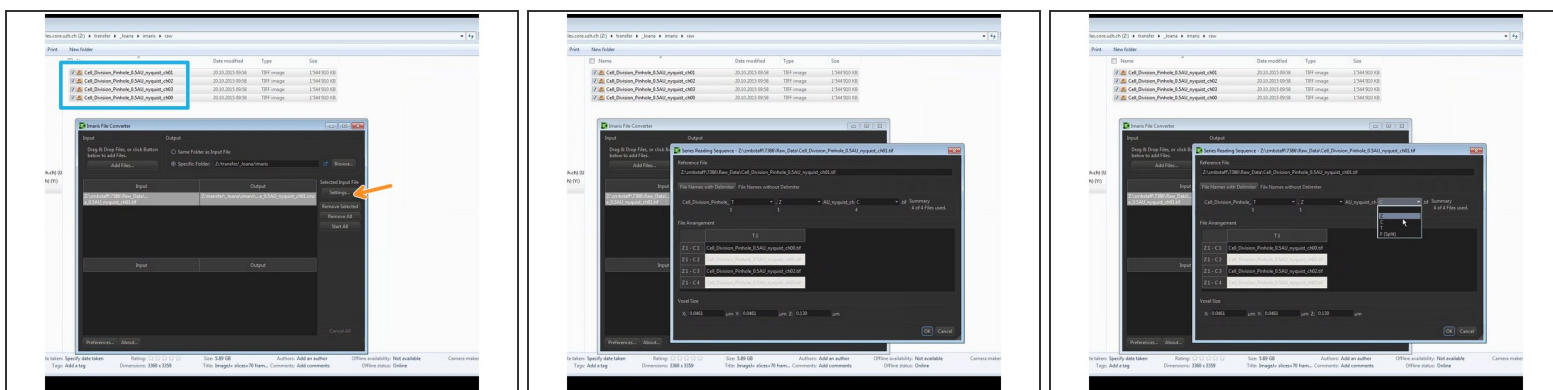This document was generated on 2022-08-10 01:08:52 PM (MST).

Step 4 — Specify your output folder

ⓘ It is recommend that you save your processed files in a different folder than your raw data.

● Click "Specific Folder:".
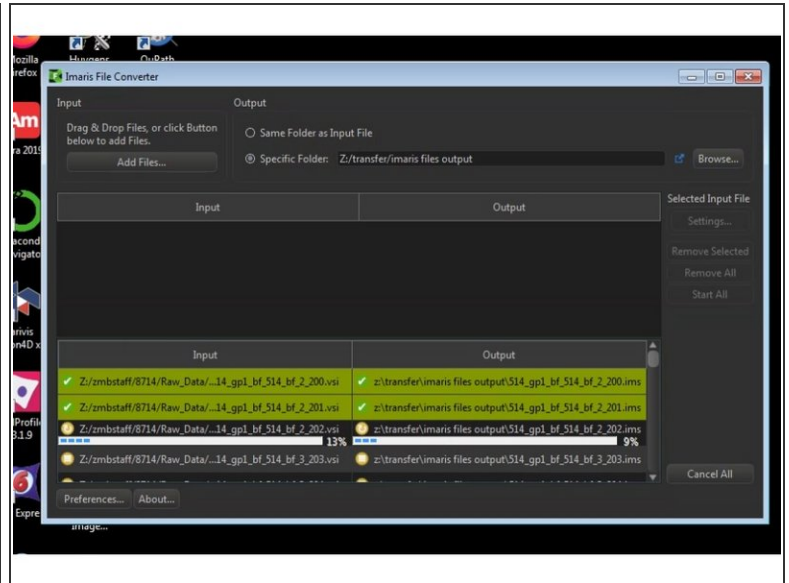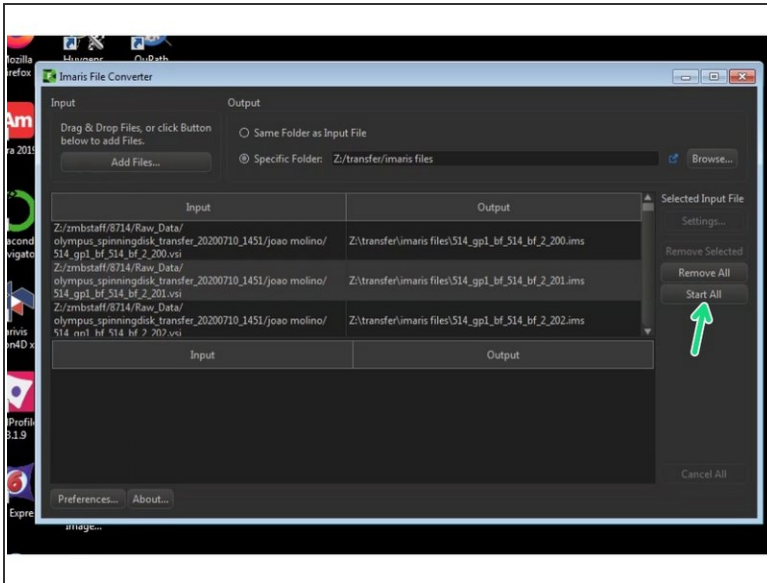
● Choose the desired folder path.

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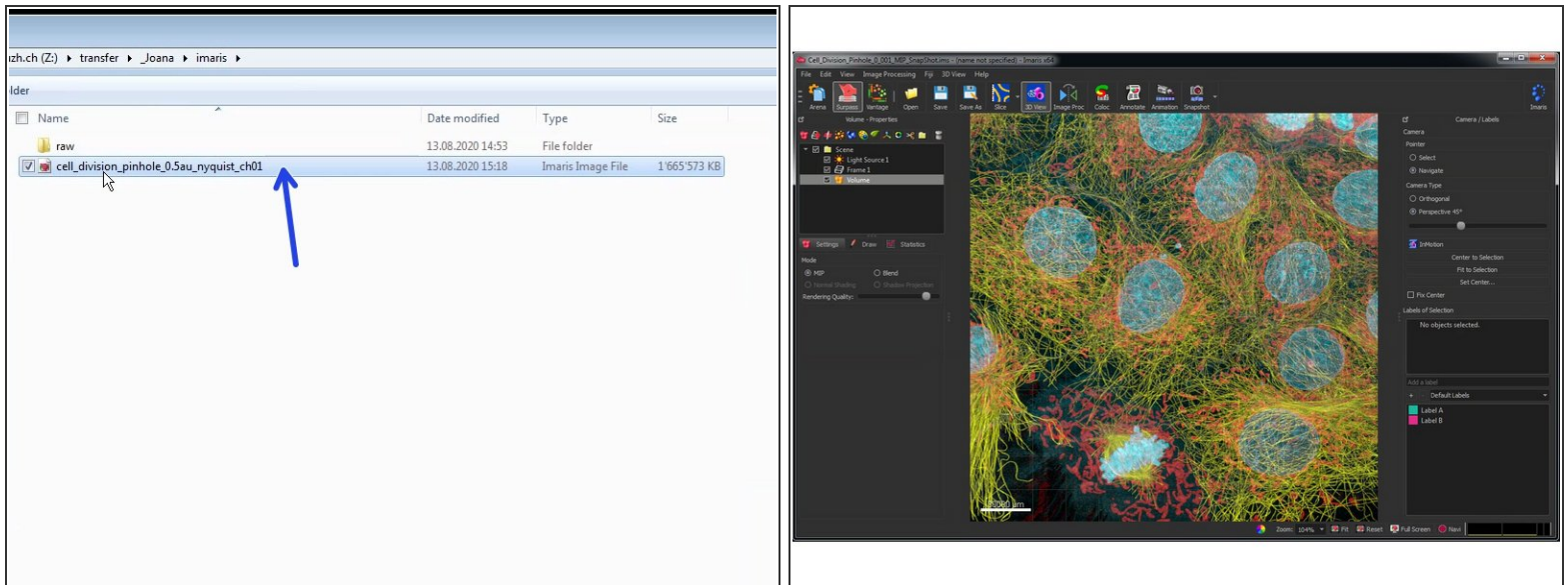## Step 5 — Dimensionalities and other considerations

- Multiple files of a series such as 3D stacks, time series and multi channel images should be automatically recognized as a single *.ims file.

- If the dimensions are not properly detected you can select your file and click on "Settings".

- Here you can adjust the dimensions of the image series for conversion.
  - (i) In the example each file correspond to a different channel (C). The same principle would apply to different Z planes (Z) or timepoints (T).

(i) For container files such as .lif (which can contain multiple images/datasets) an individual *.ims file for each image/dataset will be generated.

Step 6 — Start conversion

- You can now start converting your files by pressing "Start All".

- If the conversion is successful you will now see a green mark next to your files.

Step 7 — Open your files

- Open your specified folder and double click to visualize your file.

- Alternatively you can also use the Arena view in Imaris to browse through the different files. Please check the corresponding guide.

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