

Enabling manual intervention for otherwise automated registration of large image series

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• Highlights

- 2600 images of 1 μm thick serial sections of lung tissue
- Manual intervention needed during registration due to sparse tissue and physical distortions

• Findings

- Alignment of whole series quicker with manual intervention
- than finding meta-parameters that work for all images

• Interesting observations

- Distance maps of binarizations did not reduce the need for manual interventions

• Learning experience

- Registering a few 1000 images is still a challenging task

