Guided Proofreading of Automatic Segmentations for Connectomics
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1. Automatic segmentations require proofreading by humans to fix merge- and split errors

Visually inspecting the data to find errors takes most of the time!

2. We train a classifier to find and correct potential split errors based on a CNN...

...and re-use this classifier for merge errors

3. Users see the most likely errors and can correct them using yes/no decisions

4. User Study: Proofreading of AC4 subvolume (400x400x40 vx)
10 Novices, 2 Experts (30 minute time limit) (VI: the lower, the better)

5. Data / Code / Results available

http://github.com/VCG/guidedproofreading

References