

WeLineation

Crowdsourcing delineation for reliable ground truth estimation.

In the crowdsourcing project "WeLineation" you can become part of a current research project dealing with the crowdsourcing of segmentation masks. To investigate the segmentation quality of medical images by non-experts, **we need YOU** to generate a database of reference – “ground truth” – segmentations. Your contribution will help us to assess the segmentation quality generated via crowdsourcing as well as the suitability of algorithms to merge the segmentations of multiple users.

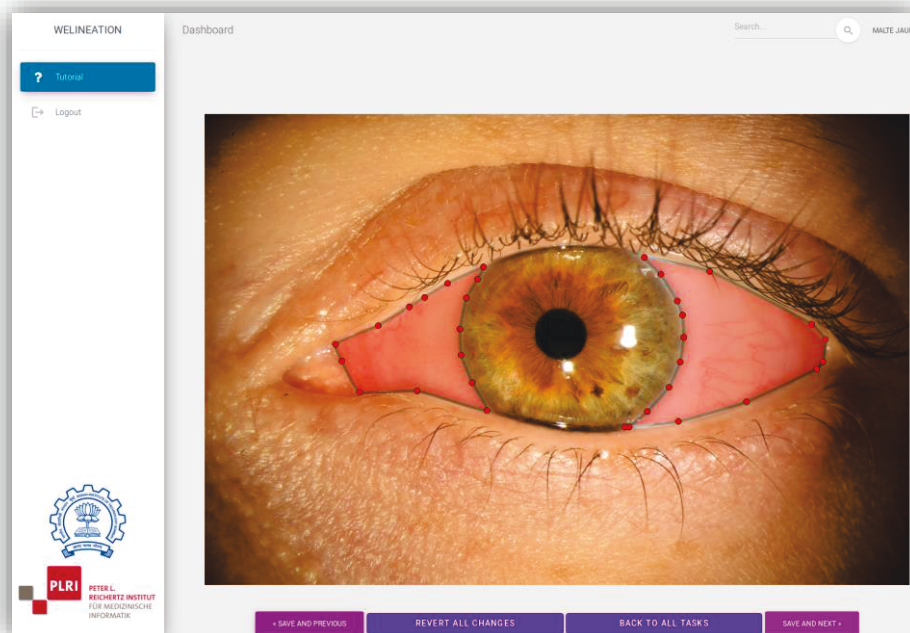


Figure 1: Exemplary sclera segmentation

As a first use case, **your task** will be to manually segment images from a current clinical trial, where over 6000 images of the human eye have to be segmented. You will get a subset of 70-80 images, which you will segment as shown above in a time slot of your choice within the dates given below. This will help us significantly in our investigation of the further usage of manually segmented data via crowdsourcing.

Task effort: 2-3 hours **Timeframe:** 22nd – 26th July 2019

Prerequisites: No previous medical or scientific experience is required.

If you are interested, please send an **e-mail** with your name to: malte-levin.jauer@plri.de and you will get all further information.

Thank you very much for your collaboration!