



Faculty of Science



Segmentation of Human Semen using Convolutional Neural Networks

Malte Stær Nissen

Department of Computer Science

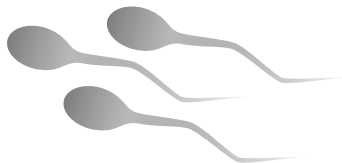


Image Analysis of Human Sperm

Concentration

Motility

Morphology



- Segmentation using Convolutional Neural Networks (CNN)
- Patch-based training (1 class per patch) vs. full-image training (~ 2.7 million classes pr. image)