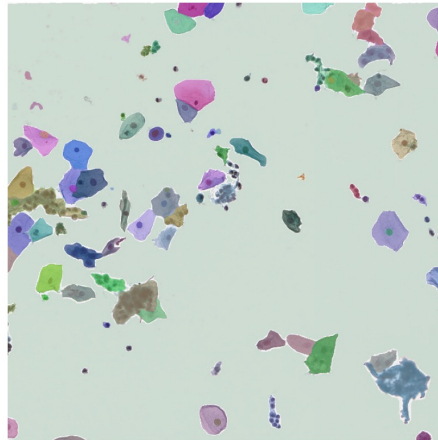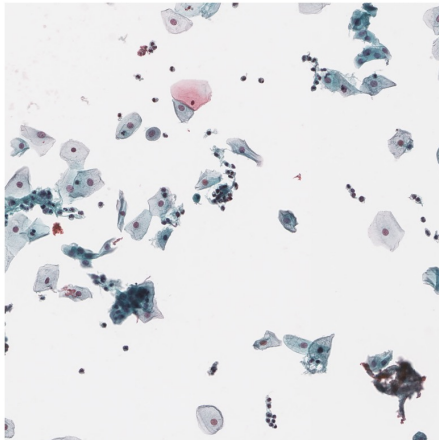# Multi-supervised Deep Framework for Robust Automatic Cellular Anomaly Recognition

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Overview

- The project's objective is to initially, segment and crop each cell in an image for further categorization.

- Obtaining a cell-wise masks annotations from clinicians is a major challenge.

- The work aims to utilize an unsupervised domain generalization segmentation approach.

- The publicly published work of SAM is utilized.

- The resulted cell-wise segmented images are proposed to be the initial step for a further categorization.

- Each cell in an image will be later stated from clinicians as either a normal or abnormal (Healthy/Cancerous) cell.

Natural Images Results

Cellular Images Results