Project Card BIAI

Year	Major type	Day of week and hour
2023/2024	**SSI Glw**	**Tuesday 8:00**

Authors	Joanna Wiekiera Martyna Żur	Project supervisor	**GB**

Topic

Multiclass classification of histopathological images of lung and colon tissue

Description

Aim of this project is to distinguish five classes:

- Lung benign tissue
- Lung adenocarcinoma
- Lung squamous cell carcinoma
- Colon adenocarcinoma
- Colon benign tissue

The dataset being utilized consists of lung and colon cancer histopathological images, which contains 25 000 images. Each image is 768 x 768 pixels and is in jpeg file format.

We will use convolutional neural network and Python with PyTorch framework.