Timeline:
What we need to do before Oct 18:
1 Finish annotation of pictures
2 Create the patches of pictures (a patch extraction module that can work)

What we need to finish before November:
1 Build a baseline model

What we need to finish before December (final presentation):
1 Improve the baseline model

First report:
Because we don't have to work on feature Engineering, it is okay to put some basic statistical summary of pictures instead of the EDAV.

Final goal of project:
Given a picture with multiple bacteria colonies, the model can predict which colony is from which bacteria.

General Model Idea suggested:
Annotate the colonies -> create patches of pictures -> train the model based on patches -> predict whether this patch is from the background or a specific class.

Parihdi also talked about using different patch sizes and heatmaps to train the model. I am a little lost here. Hope she can add some notes or share some articles.