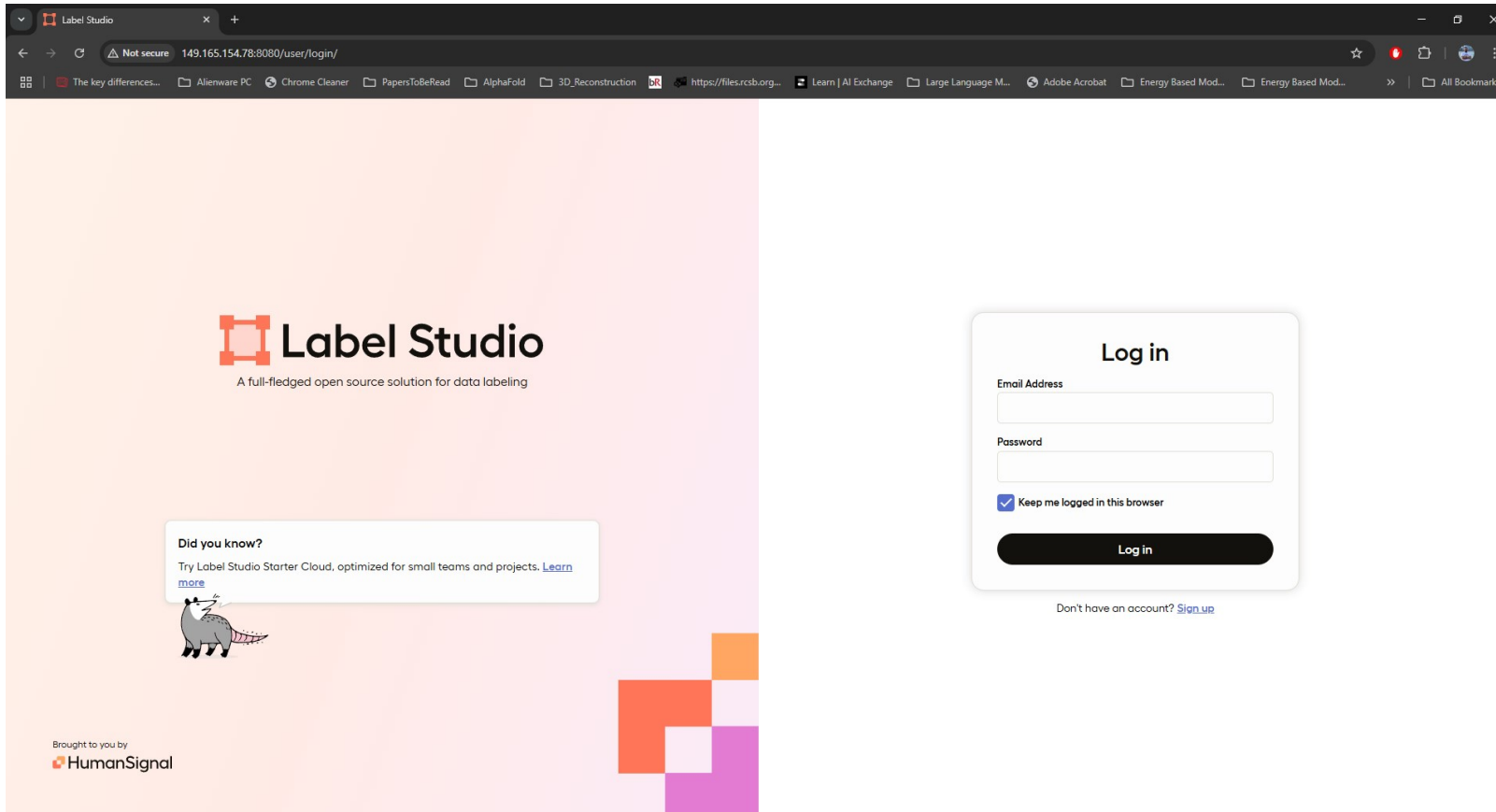


For Label Studio:

1. Open the new window of your browser and go to the following link: <http://149.165.154.78:8080/>

It should open the label studio interface with the login page.

2. Use the given credentials to login.



For Dr. Anwasha

email address: anwasha@afm.com

password: afm@llm2025

For Dr. Juan

email address: juan@afm.com

password: afm@llm2025

For Nabila

email address: nabila@afm.com

password: afm@llm2025

For Hasib

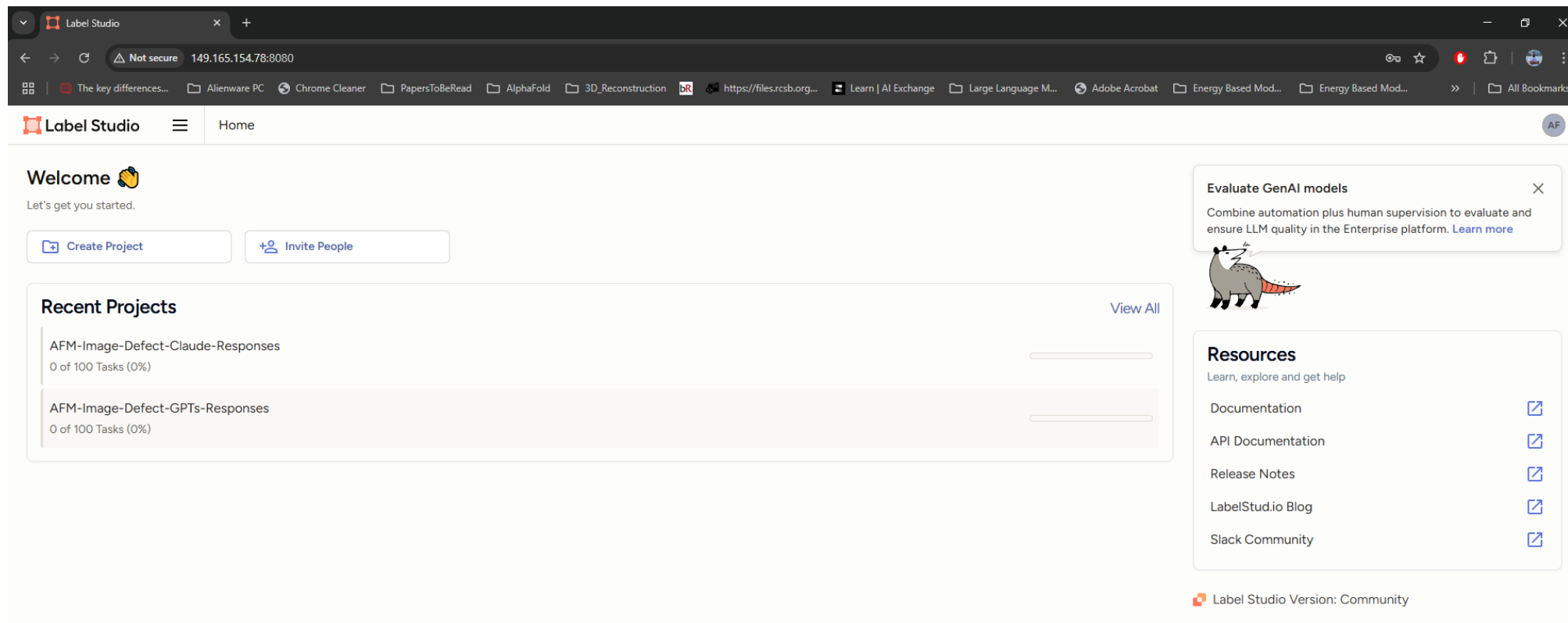
email address: hasib@afm.com

password: afm@llm2025

For Label Studio:

3. Once you login, you will see the home page with showing the list of projects.

- For Dr. Anwesha and Hasib, you are requested to use "AFM-Image-Defect-GPTs-Responses" project.
- For Dr. Juan and Nabila, you are requested to use "AFM-Image-Defect-Claude-Responses" project.



For Label Studio:

4. Click on the project you are assigned to evaluate and you will see the list rows of responses

Label Studio

Projects / AFM-Image-Defect-Claude-Responses

Settings

AF

Default

ActionsColumnsFiltersOrder byLabel All Tasks

ImportExport

Inner ID	Completed				Annotated by	Question	Answer	Recommendations	idx
1	0	0	0			I'm imaging soft polymer films, and over time the contrast gets worse-how	Tip contamination in polymer imaging typically manifests as progressively	1. Start with the lowest possible force settings and gradually increase if	0
2	0	0	0			After scanning biological samples in fluid, the tip seems degraded-how can I	Tip contamination during fluid AFM imaging of biological samples occurs	1. Use functionalized tips with non-fouling coatings (e.g., PEG-coated tips or	1
3	0	0	0			What scanning parameters can I tune to reduce the risk of tip contamination when	Tip contamination during AFM imaging of adhesive surfaces like hydrogels or	1. Use tapping mode or non-contact mode instead of contact mode to	2
4	0	0	0			How can I determine if a drop in resolution is due to tip wear vs tip	Tip contamination and tip wear can be distinguished by observing specific image	1. Perform a test scan on a clean, flat area to check if artifacts are consistent or	3
5	0	0	0			Can certain material types or surface treatments increase the likelihood of	Soft, sticky, or loose materials significantly increase tip contamination	1. Clean your sample thoroughly before imaging using appropriate solvents	4
6	0	0	0			I'm working with live cell cultures, and the tip seems to get contaminated during	Tip contamination during live cell imaging occurs when biological material,	1. Use functionalized tips with hydrophobic coatings (like PEG) to reduce	5
7	0	0	0			After scanning hydrated tissue sections, I see ghost features and blurred edges-	This issue appears to be Tip Contamination, where biological material from the	1. Clean the tip thoroughly before imaging using UV/ozone treatment or	6
8	0	0	0			How do I choose tip material and coating to reduce contamination	Tip contamination during biomolecule imaging occurs when sample	1. Use Si3N4 tips with hydrophobic coatings (PEG, fluorocarbon) to	7
9	0	0	0			I-m imaging fibrous extracellular matrix proteins, and resolution	Tip contamination during ECM protein imaging is common due to the sticky	1. Use a hydrophobic tip coating (like PFQNM-LC-CAL) to reduce protein	8
10	0	0	0			When imaging soft protein layers in fluid, I notice a rapid drop in resolution-	Yes, resolution loss during protein imaging in fluid is commonly due to tip	1. Use silicon nitride tips with low spring constants (0.01-0.5 N/m) to minimize	9

Tasks: 100 / 100Submitted annotations: 0Predictions: 0

For Label Studio:

- 5. Click on the first row (or any row) and you will see the response details.
- 6. For each response, you will first read the question.
- 7. Then there is general answer and recommendations generated by LLM model.
- 8. Please select any of the 5 choices based on the correctness of a response. And **hit Submit button** to record your choice.

