PelletCam Example

1. **Connect the PelletCam to the PC:**  
   The PelletCam is connected to the PC via the USB port to power the device.
2. **Connect to the PelletCam Wi-Fi Network:**  
   After powering on, wait briefly, and connect to the Wi-Fi network named **PELLETCAM** using the password **PELLETCAM**.  
   Ensure the PC remains connected to the Wi-Fi network **PELLETCAM**, ignoring the “No internet” message displayed underneath, as it is not an error.
3. **Access the PELLETCAM Webpage:**  
   Open the PELLETCAM webpage to verify the camera setup. Adjust the light intensity twice for testing purposes.

* Select **Capture** and wait for the photo to be taken (the process continues until the light turns off).
* Click **Refresh** to load the captured photo (loading is not automatic).

1. **Launch the PelletCam Program:**  
   Open the program through the link provided on the desktop.
2. **Confirm the Terminal Path:**  
   A terminal screen appears with the correct path:

C:\Users\(username)\Documents\PelletCam-OPENBIOLAB-AI>python pellet.py

provide path [ENTER for: C:\Users\(username)\Documents\PelletCam-OPENBIOLAB-AI]:

Press **Enter** to confirm if the path is correct. Replace (username) with the PC username being used.

1. **Create a New Destination Folder:**  
   A prompt to create a new destination folder for the results will appear. Enter a folder name using the format: **YourNameddmmyy** (without spaces).

C:\Users\(username)\Documents\PelletCam-OPENBIOLAB-AI>python pellet.py

provide path [ENTER for: C:\Users\(username)\Documents\PelletCam-OPENBIOLAB-AI]:

provide path [ENTER for: C:\Users\(username)\Documents\PelletCam-OPENBIOLAB-AI]: YourNameddmmyy

1. **Insert Reference Pellet:**  
   Press **Enter**, and a prompt to insert a reference pellet will appear:

Please enter the reference pellet and press enter

Insert the reference tube into the device and press **Enter**. A photo is taken and displayed. Close the photo by clicking within the figure, not the "X" in the upper-right corner.

1. **Enter Sample Information:**  
   A prompt to name the sample appears. Provide a descriptive name (e.g., **sample1** or include details such as Hg concentration and strain).  
   A photo of the sample will be taken and displayed. Close the photo by clicking within the figure, not the "X."  
   Example of terminal input:

Please provide an image tag or ‘r’ for a new reference pellet or enter ‘q’ to quit: sample1

1. **Repeat Measurements for All Samples:**  
   Continue the process for all samples by entering names and capturing photos. Type **q** in the terminal to exit when measurements are complete.
2. **View and Save Files:**  
   Files from the session are located in the folder **Pelletcam files**. The content of this folder can be emptied after the session, provided the files have been saved elsewhere.