



Student Assistant I – BioFrontiers Institute Peleg Lab

Job Summary:

We are encouraging applications for a Student Assistant to assist the Peleg Lab! The Peleg Lab seeks to understand the behavior of disordered living systems by merging tools from physics, biology, engineering, and computer science, with a focus on honeybee communication (mechanical and chemical). Further information on the Peleg Lab can be found here: <https://www.peleglab.com/>

Who We Are

At the University of Colorado BioFrontiers Institute, researchers from the life sciences, physical sciences, computer science, and engineering are working together to uncover new knowledge at the frontiers of science and partnering with industry to transform their discoveries into new tools. The Institute integrates faculty members from eleven academic departments, allowing them to work across fields. BioFrontiers drives innovation without boundaries.

Project Description

The Peleg Lab is developing a DNN model to automate firefly flash detection from video recordings. We have trained a preliminary model on a small labeled dataset which has resulted in a high degree of accuracy. In order to further train and validate our universal flash detector, we need to manually label a much larger dataset.

What Your Key Responsibilities Will Be

We are seeking a student to assist in:

- Manually labelling a large dataset.

What You Should Know

We are located in the Jennie Smoly Caruthers Biotechnology Building (JSCBB) on East Campus.

- Our preference is to find a student who is motivated to work 20-25 hours / week until the labelling is complete.
- We anticipate around 90-120 hours of work in total.
- All of the required software will be provided and explained.

What We Can Offer

\$17 per hour.

What You Will Need

- Familiarity with coding.
- Strong organization skills.
- Communication skills.
- Strong communication skills.

Application Instructions

Please email your resume and cover letter to Nolan Bonnie at nolan.bonnie@colorado.edu.