

**SHP Student Interns for Research and Scholarly Activities
Application of Project Proposal Form**

Instructions:

Please fill out the form and return via email to Michele Sisco (mcoral@shp.rutgers.edu) by **March 25, 2024**. **Please fill each box to the right of each required field.** If you are sending attachments, please ensure your contact information is added to all your forms.

Faculty Contact Information:

Date submitted:	3/25/24
Faculty Name:	Jean-Francois Daneault
Department/Program:	RMS
Telephone number:	3512010395
E-mail:	jf.daneault@rutgers.edu

Project Detail:

Project Title: (56 characters max)	Developing a training dataset for the estimation of movement patterns using deep learning
Hypothesis:	There is no hypothesis, this is descriptive
Description: (Include design, methodology, data collection, techniques, data analysis to be employed, evaluation and interpretation methodology for research component)	Using publicly available video recordings, we will use a python program called deeplabcut to label a training dataset to evaluate movement patterns. This training dataset will then be used to address important behavioral questions.
Specific Student Responsibilities:	The student will be responsible for identifying suitable publicly available videos. They will then label the training dataset using the deeplabcut program. If time allows, a set of testing videos will be used to evaluate the performance of the approach.
Start / end date of project:	June 15 – August 15

Educational:

WHAT OTHER EDUCATIONAL OPPORTUNITIES ARE AVAILABLE TO STUDENTS? (e.g., journal club, seminars, clinic, rounds)	Students can participate in regular lab meetings.
WHERE DO YOU PLAN TO PRESENT OR PUBLISH THE FINDINGS WITH THE STUDENT? (e.g., national or state meetings, newsletter or journal, SHP poster day)	The information gleaned from this work will enable the publication of several conference proceedings and journal papers, where the contribution of the student will be acknowledged.

CHECK ALL APPROPRIATE BOXES BELOW AND PROVIDE REQUESTED INFORMATION.

This project is: clinical laboratory behavioral survey educational
 Other: please specify _____

This project involves the use of human subjects (including chart review, retrospective studies and questionnaires).

Pending Approved IRB Protocol Number _____

IRB approval must be obtained by June 2024

 PT, DPG, PHD.

March 25, 2024

Signature of Department Chair

Date

OR-For internal use
Form: (1)

Reviewed date:_____

Date processed on website:_____