

## SHP Student Interns for Research and Scholarly Activities Project Proposal Form

### **Instructions:**

Please fill each box to the right of the required fields, obtain the required signature and return via email to Michele Sisco ([mcoral@shp.rutgers.edu](mailto:mcoral@shp.rutgers.edu)) by **March 24, 2025**.

If you are sending attachments, please ensure your contact information is added to all your forms.

### **Faculty Contact Information:**

Date submitted:	March 26th
Faculty Name:	Jean-Francois Daneault
Department/Program:	RMS
Telephone number:	9739728482
E-mail:	jf.daneault@rutgers.edu

### **Project Detail:**

Project Title:	Disease-specific synthetic emg
Hypothesis:	Synthetic emg signals can be generated for specific disorders
Description: (Include design, methodology, data collection, techniques, data analysis to be employed, evaluation and interpretation methodology for research component)	We have developed a Python-based computer program to generate synthetic emg data. We need to identify specific parameter values associated with various disorders in order to generate disease-specific data.
Specific Student Responsibilities:	The student will be responsible to identify values for the various parameters from the literature.
Start / end date of project:	June 2025

WHAT OTHER  
EDUCATIONAL  
OPPORTUNITIES ARE  
AVAILABLE TO STUDENTS?

(e.g., journal club, seminars,  
clinic, rounds)

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 student will be able to participate in the lab's regular meetings. The outcome of the work have the possibility to lead to presentations at conferences (e.g., Society for Neuroscience, EMBC, etc.) as well as journal publication in an appropriate journal (e.g., Muscle and Nerve).

**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 2025***

 PT, DPT, PhD.

\_\_\_\_\_  
Signature of Department Chair

\_\_\_\_ March 26, 2025 \_\_\_\_  
Date