Location: Gainesville (City) FL (State) Date: 18 June 2014

Organization: Neural Control of Movement Lab (UF Dept. of PT and VA Brain Rehab Research Center)

*Contact Person(s): Carolynn Patten, Ph.D., PT

Must have at least a Bachelor's degree in a related field and a minimum of 2 years' experience within the discipline.

Address: 1601 SW Archer Rd. (151A) (Street/PO Box) Gainesville (City) FL/32608 (State/Zip)

Phone: 352.376.1611 x4160 Fax: 352.379.2332

Email: patten@phhp.ufl.edu Website:

What semesters is your organization available to accept interns?

☑ Fall (August-December) ☑ Spring (January-April) ☑ Summer (May-August)

Please check the specializations that best pertain to the internship experience offered:

☑ Exercise Physiology ☐ Fitness/Wellness

How many interns do you typically accept per semester? 1

Interns must complete a minimum of 35-40 hours per week (520 hours total). List the normal working hours for your organization. Please indicate any evening or weekend time commitments:

Normal workday. Occasional early start or late finish. Very rare weekend time, would be in conjunction with a specific event.

Is office space available to interns? ☑ Yes ☐ No cubicle/desk - same as others (Comments)

Is a computer/scanner available to interns? ☑ Yes ☐ No (Comments)

Does your organization offer paid or non-paid internships? ☑ Non-paid ☐ Paid (amount)

List other benefits your organization offers interns (i.e. housing, health insurance, travel reimbursement, etc.)

List required purchases for interning with your site (e.g. parking pass, uniform, back-ground check, etc.):

No required purchases

List required skills or previous experience necessary for interning with your organization:

Knowledge of human anatomy and physiology. Desire/interest in studying human performance as it relates to physical rehabilitation of neurological conditions (i.e., stroke, movement disorders, spinal cord injury, aging). Most people who have interned with us have been pre-med or pre-health profession, although pre-grad school is also a good option.

Special Requirements (i.e. special application, proof of health insurance, immunizations, etc.)
Please note: All interns are required to purchase professional liability insurance coverage for $1,000,000

Work is within the VA Medical Center premises and therefore requires obtaining WOC credentials. Candidates must complete an application, similar to a job application, and several training modules. In addition, the process involves a background check and fingerprinting to obtain a photo ID. This process needs to be done prior to the internship.

Provide a bulleted list of duties/responsibilities your organization expects to be fulfilled by interns:

We study recovery of motor function in people following stroke. Our studies involve: biomechanics of reaching and/or walking studied with motion capture; brain physiology, studied using TMS (transcranial magnetic stimulation). Some of our studies are cross-sectional involving many different individuals. Other studies involve a treatment intervention in which we study a few people over many sessions using biomechanical and neurophysiological techniques to determine how their physical capacity changes as a result of intervention.

Assist with experimental studies of human performance.
- Experimental set up
- Intervention session set up, when indicated
- Assist investigators with experiment or intervention
- Monitor participants - vital signs, physical/physiological response to activity
- Deliver intervention under supervision of investigator and/or lab staff

Data reduction and organization
- including: EMG, motion capture, TMS, brain imaging. Specific type of data depends on the study ongoing at the time the intern joins us.
Record keeping.
Studv coordination

Please describe a typical day for the intern:

Regular work day is 8-4:30.
If we have an experiment, the day starts with prepping the lab, then prepping the subject, then conducting the experiment, and then return escorting subject, cleaning up lab, backing up data.
Days without an actual experiment involve:
- working with data and other study information;
- recruiting and enrolling subjects;
- general lab tasks.
There are often seminars, lectures, lab meetings - both organizational and educational.

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Interns must be evaluated on at least 6 of the following Student Learning Outcomes (SLO's). Please check each SLO that applies to the duties/responsibilities provided to interns at your organization.

APK Student Learning Outcomes (SLOs)	**Applied Examples** *(These examples used to describe each SLO are not exclusive; they are simply intended to provide clarity to the individual SLOs)*
☑ Integrate principles and methods of math, social sciences, and arts and humanities to applied physiology and kinesiology, wellness, and/or fitness environments.	• Intern can perform body composition calculations. • Intern can identify socioeconomic impacts on health and fitness behaviors. • Intern can calculate target and max heart rates in order to prescribe aerobic exercise.
☑ Identify and relate the nomenclature, structures, and locations of components of human anatomy to health, disease, and physical activity.	• Intern can identify muscles used in specific exercises and name other exercises that use those muscles. • Intern can name specific structures damaged by pathologies like diabetes.
☑ Identify, examine, and explain physiological mechanisms of homeostasis at various levels of an organism (i.e., cells, tissues, organs, systems).	• Intern can explain the baroreflex. • Intern can explain why skeletal muscle cells atrophy when immobilized. • Intern can describe the impact of respiration on blood pH.
☐ Investigate and explain the effects of physical activity on psychological health as well as the perspectives used to enhance adherence to healthier lifestyles.	• Intern can explain how exercise helps depression. • Intern knows where to locate information related to psychological health impacts of various activities. • Intern can identify and properly refer individuals with eating disorders.
☑ Identify and explain the acute and chronic anatomical and physiological adaptations to exercise, training, and physical activity.	• Intern can explain why resting HR and BP are reduced following endurance training. • Intern can identify immediate and long-term benefits of resistance training.
☑ Select and utilize the appropriate scientific principles when assessing the health and fitness of an individual and prescribing physical activity based on those assessments.	• Intern can select a safe fitness test for a cardiac patient. • Intern can perform skinfold testing and use that data to prescribe appropriate amounts of exercise.
☑ Solve applied physiology and kinesiology problems from personal, scholarly, and professional perspectives using fundamental concepts of health and exercise, scientific inquiry, and analytical, critical, and creative thinking.	• Intern can describe which populations might be prone to ankle sprains. • Intern can identify medications which might lead to an impaired ability to perform aerobic exercise. • Intern can prescribe exercise to suit the goals of clients based on fitness assessments.
☑ Collect, compare, and interpret qualitative or quantitative data in an applied physiology and kinesiology context.	• Intern can perform a submaximal VO2 test and use the collected data to classify the subject's level of fitness. • Intern can perform a laboratory experiment and compare their results to other similar studies.
☑ Effectively employ written, oral, visual, and electronic communication techniques to foster inquiry, collaboration, and engagement among applied physiology and kinesiology peers and professionals as well as with patients, clients, and/or subjects.	• Intern can explain to a patient the importance of hydration during exercise. • Intern can generate professional emails to ask scientific or medical questions. • Intern can generate an abstract to present research at a scientific or medical conference.

Would you like to be added to the Department's list of approved sites for future interns? ☑ Yes ☐ No

Name of student requesting completion of the site approval form (if applicable): _____

I have reviewed the APK Undergraduate Internship Policies and Procedures Manual: 18 June 2014
Date

Site Signature: Carolyn Patten Digitally signed by patten@phhp.ufl.edu DN: cn=patten@phhp.ufl.edu, o=University of Florida, ou=Physical Therapy, email=patten@phhp.ufl.edu, c=US Date: 2014.06.18 17:21:08 -05'00' Date: 18 June 2014

Department Approval: dlrhodes@ufl.edu Digitally signed by dlrhodes@ufl.edu DN: cn=dlrhodes@ufl.edu Date: 2014.06.19 08:34:38 -04'00' Date: 06/19/14