

Location: Gainesville FL Date: 6/10/16  
City State

Organization: UF Department of Neurosurgery

\*Contact Person(s): Dr. Brent Reynolds  
*\*Must have at least a Bachelor's degree in a related field and a minimum of 2 years' experience within the discipline.*

Address: 100265 Gainesville 32611  
Street/PO Box City State/Zip

Phone: 415-754-9591 Fax: \_\_\_\_\_

Email: bareynolds@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? 1-2

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 hours are 9am-5pm

Is office space available to interns?  Yes  No \_\_\_\_\_  
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.)  
N/A

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

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

The intern will be trained in the first couple of weeks to gain the basic skill set necessary to work in the laboratory. The intern will continually learn on the job as new situations arise.

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*

N/A

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

- General lab duties: making buffers and other solutions, autoclaving
- Animal work: general care, pre and post-op care and surgical procedures
- Tissue culture: passaging cells as needed
- Other techniques such as but not limited to Western Blots, PCR, data analysis and patient interactions.
- General animal husbandry work, including weighting and feeding specially designed diets.
- Assist with data collection and analysis as needed -Assist with preparation of manuscripts and protocols

Please describe a typical day for the intern:

Laboratory duties for the intern will be to perform some general chores as well as animal work. Depending on the requirement for the week, the intern will either perform animal surgeries and post op care, animals need to be feed special diets on a daily based and blood work peformed 1-2 times per week. Muclse biopsies and post-morteum analysis will also be performed. The intern will alos participate in p[atient recruitment for studies and data analysis.

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)
<input type="checkbox"/> Integrate principles and methods of math, social sciences, and arts and humanities to applied physiology and kinesiology, wellness, and/or fitness environments.	<ul style="list-style-type: none"> <li>• Intern can perform body composition calculations.</li> <li>• Intern can identify socioeconomic impacts on health and fitness behaviors.</li> <li>• Intern can calculate target and max heart rates in order to prescribe aerobic exercise.</li> </ul>
<input checked="" type="checkbox"/> Identify and relate the nomenclature, structures, and locations of components of human anatomy to health, disease, and physical activity.	<ul style="list-style-type: none"> <li>• Intern can identify muscles used in specific exercises and name other exercises that use those muscles.</li> <li>• Intern can name specific structures damaged by pathologies like diabetes.</li> </ul>
<input checked="" type="checkbox"/> Identify, examine, and explain physiological mechanisms of homeostasis at various levels of an organism (i.e., cells, tissues, organs, systems).	<ul style="list-style-type: none"> <li>• Intern can explain the baroreflex.</li> <li>• Intern can explain why skeletal muscle cells atrophy when immobilized.</li> <li>• Intern can describe the impact of respiration on blood pH.</li> </ul>
<input checked="" type="checkbox"/> Investigate and explain the effects of physical activity on psychological health as well as the perspectives used to enhance adherence to healthier lifestyles.	<ul style="list-style-type: none"> <li>• Intern can explain how exercise helps depression.</li> <li>• Intern knows where to locate information related to psychological health impacts of various activities.</li> <li>• Intern can identify and properly refer individuals with eating disorders.</li> </ul>
<input checked="" type="checkbox"/> Identify and explain the acute and chronic anatomical and physiological adaptations to exercise, training, and physical activity.	<ul style="list-style-type: none"> <li>• Intern can explain why resting HR and BP are reduced following endurance training.</li> <li>• Intern can identify immediate and long-term benefits of resistance training.</li> </ul>
<input checked="" type="checkbox"/> Select and utilize the appropriate scientific principles when assessing the health and fitness of an individual and prescribing physical activity based on those assessments.	<ul style="list-style-type: none"> <li>• Intern can select a safe fitness test for a cardiac patient.</li> <li>• Intern can perform skinfold testing and use that data to prescribe appropriate amounts of exercise.</li> </ul>
<input checked="" type="checkbox"/> 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.	<ul style="list-style-type: none"> <li>• Intern can describe which populations might be prone to ankle sprains.</li> <li>• Intern can identify medications which might lead to an impaired ability to perform aerobic exercise.</li> <li>• Intern can prescribe exercise to suit the goals of clients based on fitness assessments.</li> </ul>
<input type="checkbox"/> Collect, compare, and interpret qualitative or quantitative data in an applied physiology and kinesiology context.	<ul style="list-style-type: none"> <li>• Intern can perform a submaximal VO<sub>2</sub> test and use the collected data to classify the subject's level of fitness.</li> <li>• Intern can perform a laboratory experiment and compare their results to other similar studies.</li> </ul>
<input checked="" type="checkbox"/> 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.	<ul style="list-style-type: none"> <li>• Intern can explain to a patient the importance of hydration during exercise.</li> <li>• Intern can generate professional emails to ask scientific or medical questions.</li> <li>• Intern can generate an abstract to present research at a scientific or medical conference.</li> </ul>

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: June 9 2016 Date

Site Signature: B-R Date: June 12, 2016

Department Approval: DeEtta Rhodes Date: 06/16/16