**Duke University Integrated Health Sciences Internship Program 2018**

**Program Description:** Internship opportunities are available at the Duke Center for Living for motivated graduate or undergraduate students majoring in health science, exercise physiology, kinesiology or human physiology.

*We are dedicated to providing an excellent intern experience by offering the opportunity for numerous hands on experiences and other learning and educational opportunities.*

Interns gain experience working with clinical trials investigating the effects of exercise interventions on cardiovascular and metabolic outcomes in the laboratory of Dr. William Kraus. Interns will have the opportunity to become familiar with the function and operation of laboratory equipment used for subject testing and collection of physiological data while assisting with data collection, data reduction, and data analysis. Specifically, interns will take an active role in cardiopulmonary exercise stress testing, muscle strength and physical function testing, body composition analysis, as well as the supervision of exercise interventions in a variety of populations. In addition, interns may be involved in taking blood samples (from an IV), spinning and pipetting plasma for OGTT and other studies involving blood sampling (e.g. hyperglycemic clamps).

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* Interns will be assigned one or more mentors to help coordinate their specific internship goals and responsibilities, and will report to this person for the duration of the internship.
* Internships are 15 weeks in duration and available fall, spring and summer semesters.
* All interns will be expected to work 40 hours per week.
* Unfortunately No stipend is provided.
* Travel expenses and/or rent expenses are paid up to a total of $2000.

Major areas of research:

Currently we expect to start a pilot study in January 2018 for the Nationwide NIH funded MoTrPAC (Molecular Transducers of Physical Activity) trial (go to <https://motrpac.org/aboutUs.cfm> for more information). Starting in May 2018 and for the next four years we will be very busy recruiting, training and performing multiple muscle and fat biopsies plus blood draws on 200+ subjects. William E Kraus is the PI for this study.

In addition to this major study we anticipate having a number of small studies involving exercise, immune function and cancer interactions. David Bartlett is the PI or Co-investigator on these studies.

Finally, our group runs a number In addition, we are involved in a number of non-exercise clinical studies investigating pancreas function and incretins (GLP-1 in particular). These studies involve infusing GLP-1 and / or GLP-1 receptor blockers (Exendin-9) during a hyperglycemic clamp. David D’Alessio is the PI on these studies.

**Eligibility Requirements:** Preference will be given to students currently enrolled in graduate or undergraduate exercise science programs or related fields; however, other interested candidates will be accepted when positions are available. Applicants with a GPA below 3.0 will not be considered. Excellent communication skills and a high level of professionalism are essential because patient/client interaction is a vital aspect of this program. Interns are expected to be highly motivated, organized, self-directed, and open to feedback in order to ensure a mutually beneficial internship experience.

**Deadlines:**

For the SPRING Semester 2018.   
Application due by – October 30th, 2017.   
Decision made by – November 21st, 2017.

Interested individuals should send a résumé and cover letter (describing their background, academic standing/GPA, interests, and career goals and why they want to do their internship with us), along with contact information for three professional or academic references to Cris Slentz, Ph.D., Director Intern Program at [cris.slentz*@duke.edu*](mailto:cris.slentz@duke.edu)