Possible Internship site
Dr. Eunhee Chung Laboratory (Spring 2019)

PLACE: Biotechnology Sciences and Engineering (BSE) 2.306
PROFESSOR: Eunhee Chung, Ph.D.
OFFICE: MB 3.420
PHONE: 210-458-6723
OFFICE HOURS: M, W, & F noon to 12:40 PM or by appointment
EMAIL eunhee.chung@utsa.edu is my preferred method of communication for initial appointments

Research Interests:
My research has focused on two agendas: First, we investigate the impact of maternal diet and exercise on the cardiometabolic health of offspring. We wish to probe the mechanisms by which maternal exercise before and during pregnancy is a modifiable maternal behavior that may reduce the development of obesity-linked cardiometabolic dysfunction in offspring. Second, we have studied diet-induced obese mouse models to better understand the role of nutritional supplementation in type 2 diabetes, particularly skeletal muscle adaptation. An interdisciplinary approach, including functional measurement (echocardiography and myocyte contractile properties), gene expression, biochemical assays, immunohistochemistry, and histology has been used to investigate these topics.

Prerequisites: There are 4 requirements that all of you must do internship in my laboratory before the semester begins.
- You must have Dr. Chung’s permission before you enroll KIN 4936.
- Fill out the availability time sheet and attach back to eunhee.chung@utsa.edu (do not simply tell me your schedule).
- Complete the on-line training: SA401, SA443.01, and SA 483. These courses are available online at https://mytraining.utsa.edu/online/ or you can access them under the “Open Courses” tab on Blackboard home screen left side of page). Please email me a copy of your completed certificates once the courses have been completed.
- Complete the animal training if you are assigned to handling mice.

General Responsibilities: The research performed is the student’s responsibility and I expect it to be conducted with a professional attitude and time commitment.

1. Mice study- you must complete the animal training before semester begins:
   a. Measure body weight and food intake weekly
   b. Assist glucose and insulin tolerance test
   c. Assist Echocardiography
   d. Assist tissue collection
2. Clean and maintain work area and all lab equipment and supplies
3. Prepare and maintain accurate laboratory records
4. Assist data collection

METHODS OF ASSESSMENT for Mid- and Final Supervisor Evaluation:
50% - Overall effort, attitude, and time commitment (including lab safety, attention to detail, participation in lab meetings, troubleshooting, etc.)
40% - Organization of lab notebook, computer files, and any other documentation that remains in the lab as your research legacy
10% - Familiarity with relevant research literature

Schedule Availability

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Acknowledgment of Syllabus Provisions:
These signatures indicated that we have discussed this syllabus and agree with its provisions.

Print Name
____________________________
Signature
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Faculty
Student