

**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](mailto: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](mailto: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.  
<http://research.utsa.edu/wp-content/uploads/2014/10/IACUCLARCTrainingProgramChecklist.pdf>

**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**

Time	Mon.	Tue	Wed	Thu	Friday	Sat	Sun
8-9:00AM							
9-10:00 AM							
10-11:00 am							
11-12:00							
12-1:00 pm							
1:-200 pm							
2-3:00 pm							
3-4:00 pm							
4-5:00 pm							
5-6:00 pm							

**Acknowledgment of Syllabus Provisions:**

These signatures indicated that we have discussed this syllabus and agree with its provisions.

Print Name

\_\_\_\_\_

Signature

\_\_\_\_\_

Faculty

Print Name

\_\_\_\_\_

Signature

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Student