

**TSCI 5080**  
**Integrating Molecular Biology with Clinical Research (Practicum)**

**Fall 2017**

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**CLASS DAYS and TIME:** Lab time as schedule with student and UTHSCSA faculty member assigned to student

**CLASSROOM:** Lab of the UTHSCSA faculty member assigned to the student

**COURSE DIRECTOR:** Goutam Ghosh Choudhury, PhD

**OFFICE LOCATION and HOURS:** DTL 5.091R, Monday – Friday (8:00 am – 5:00 pm by appointment)

**EMAIL:** [choudhuryg@uthscsa.edu](mailto:choudhuryg@uthscsa.edu)

**TELEPHONE:** 210-567-4830

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**READ THIS DOCUMENT CAREFULLY – YOU ARE RESPONSIBLE FOR ITS CONTENTS**

#### **COURSE DESCRIPTION AND OBJECTIVES**

This is the required practicum to MEDI 5073 (Integrating Molecular Biology with Patient-Oriented Clinical Research Practicum). This practicum is designed to provide the opportunity for highly individualized research activities for integrating molecular biology methods into patient-oriented clinical research.

**Pre-requisites** – TSCI 5073 (Integrating Molecular Biology with Patient-Oriented Clinical Research)

**Semester credit hours** – 1.0 SCH

By the end of this course, each student should be able to:

1. Define and appropriately use one or two common molecular biology/cell biology techniques.
2. Describe principles and perform the molecular techniques
3. Analyze the results of the designed experiments.
4. Communicate and discuss the results with the lab mentor.
5. Describe the technique and the results in a written presentation and submit to the course director.

#### **COURSE ORGANIZATION**

##### **Course format:**

This course will consist of:

- Meeting personally with Dr. Ghosh Choudhury to discuss the research experience of the student.
- Practicums in an investigator's research laboratory.

**Laboratory Research for a minimum of 48 hours arranged with Dr. Goutam Ghosh-Choudhury:**

During this 48-hour practicum degree candidates will be in the laboratory of a UTHSCSA investigator to learn and apply either basic or modifications of methods discussed to a basic/clinical research question. The research practicum will be arranged on an individual basis in consultation with Dr. Ghosh-Choudhury during the months of July and August. The 48 hours of research is necessary to fulfill the requirement for this course. Dr. Ghosh-Choudhury will contact each student to discuss individual research interests and will try to find a laboratory for each to do some hands on research using different molecular biology techniques. If the student already has an identified interest they should bring this to Dr. Ghosh-Choudhury's attention to see if arrangements can be made for that interest. Respond to Dr. Ghosh-Choudhury when he contacts you by e-mail to schedule your practicum.

**Expectations:**

After finishing the research component of this course, students are expected to write a one or two page summary of what they have actually done or what different techniques they have learned.

**Materials:**

None.

**Computer Requirements:**

There are no computer requirements for this course. However, the end of practicum summary is required to be typed.

**Reading Assignments** – Reading assignments will be based on individual student practicum needs.

**ATTENDANCE**

The student must complete 48 hours in the laboratory of their assigned UTHSCSA faculty member.

**Absence for Religious Observance:**

Students requesting an excused absence for religious holidays should follow the guidelines outlined in the UT Health Science Center Catalog.

**TEXTBOOKS**

Textbooks are not required. However, the students are urged to discuss the principles of the techniques with the lab mentors.

**GRADING POLICIES AND EXAMINATION PROCEDURES**

This course is graded as Satisfactory / Unsatisfactory. In order to receive a satisfactory grade students are expected to complete the research component and the end of practicum summary.

## REQUESTS FOR ACCOMODATIONS FOR DISABILITIES

In accordance with policy 4.2.3, **Request for Accommodation Under the ADA and the ADA Amendments Act of 2008 (ADAAA)**, any student requesting accommodation must submit the appropriate request for accommodation under the American with Disabilities Act (ADA, form 100). to his/her appropriate Associate Dean of their School and a copy to the ADA Coordinator. Additional information may be obtained at <http://uthscsa.edu/eeo/request.asp>.

## ACADEMIC INTEGRITY AND PROFESSIONALISM

Any student who commits an act of academic dishonesty is subject to discipline as prescribed by the UT System Rules and Regulations of the Board of Regents. Academic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an exam for another person, signing attendance sheets for another student, and any act designed to give unfair advantage to a student or the attempt to commit such an act. Additional information may be obtained at <http://catalog.uthscsa.edu/generalinformation/generalacademicpolicies/academicdishonestypolicy/>

## TITLE IX AT UTHSCSA

### **Title IX Defined:**

Title of the Education Amendments of 1972 is a federal law that prohibits sex discrimination in education. It reads “no person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance.”

### **University of Texas Health Science Center San Antonio’s Commitment:**

University of Texas Health Science Center San Antonio (UTHSCSA) is committed to maintaining a learning environment that is free from discriminatory conduct based on gender. As required by Title IX, UTHSCSA does not discriminate on the basis of sex in its education programs and activities, and it encourages any student, faculty, or staff member who thinks that he or she has been subjected to sex discrimination, sexual harassment (including sexual violence) or sexual misconduct to immediately report the incident to the Title IX Director.

In an emergency, victims of sexual abuse should call 911. For non-emergencies, they may contact UPD at 210-567-2800. Additional information may be obtained at <http://students.uthscsa.edu/titleix/>

## EMAIL POLICY

Every student is issued a University “LiveMail” e-mail address and account at the time when the student first enrolls. As a standing University Policy, only the students' University “LiveMail” e-mail address shall be used for any electronic institutional communications of an official nature.

## USE OF RECORDING DEVICES

Recording of any activities in this course by any means, e.g., video, audio, etc., is not permitted unless approved by the instructor or required for compliance with the American with Disabilities Act (ADA).

**ELECTRONIC DEVICES**

Cell phones, pagers, etc. should be turned to vibrate during learning activities. Computers and electronic tablets are allowed only for participating in learning activities (*e.g.*, viewing slides presented in lecture or conference materials). No texting, tweeting, e-mailing, web-surfing, gaming, or any use of electronic devices that is not directly connected with classroom activities is permitted.