

**Title of Clerkship:** Research in Biomedical Sciences

**Elective Type:** Fourth Year Elective

**Department:** Variable

**Type of Elective:** Non-Clinical/Research

**Clerkship Site:** Variable

**Course Number:** INDI726

**Number of students per** 1 or more at discretion of faculty

**block:**

**Faculty:** Variable

**Elective Description/** Students will participate in a mentored research project that includes laboratory or other practical opportunities for the direct  
**Requirements:** application of the scientific method, accurate observation of biomedical phenomena, and critical analysis of data. Students will be expected to either collect or use data to test and/or verify hypotheses or to address questions about biomedical principles and/or phenomena.

**Length of Clerkship:** 2, 4, 6, or 8 weeks

**Links to EPOs** **Educational Course Objectives:**

At the end of this rotation the student will be able to:

- K7 Apply basic science knowledge to clinical problems
- S11 Perform a literature search on the topic of interest
- K8 Develop a research hypothesis and study design; analyze data, including statistical methods
- S1 Effectively communicate, both orally and in writing, the results of the study
- P1, P2 Demonstrate honesty, integrity, and professionalism in the performance, interpretation, and presentation of research

**Professionalism:** UTCOM students will meet or exceed the institutional standards for professionalism as stated in the current Educational Program Objectives and the current Educational Course Objectives for the Sponsoring Department.

**Instructional Methods:** Independent study  
Problem solving exercises  
Lectures/PowerPoint presentations

**Evaluation methods employed:** Students must submit an abstract, a manuscript, or a 3-5 page narrative summary of their work

**Prerequisites:** Successful completion of Year 1 and 2

**Clerkship Director:** Variable

**Clerkship Coordinator:** Variable

**Phone Number:**

**Email:**

**Special Requirements:** Students must work with a research mentor to develop a brief description of the proposed project and activities during the clerkship. The elective description using this standard format must receive initial approval by the department clerkship director for clinical research or the department chair for basic science research. Final approval must be given by the Associate Dean for Medical Education, Professionalism, and Diversity.

**AAMC Hot Topics** Evidence Based Medicine (11)  
**Addressed in this** Collection and analysis of data (35)  
**Elective Clerkship:** Research methods (36)