

TMS-Translational & Molecular Science

TMS 702. Phenotyping Human Disease. 1-3 Hour.

Introduction to the study of human disease and translational research. The course will consist of several 2-week modules, each covering a different disease. Each module will consist of two types of lectures. During the first week of each module, a physician scientist will discuss human patients and case studies of the disease. In the second week of each module, a basic science researcher will discuss the animal models used to study the same disease.

TMS 704. Modeling Human Disease. 1-3 Hour.

Open to all students and required for students in the Translational Medicine certificate program. Introduction to the study of disease-based research. The format will consist of clinical-pathobiological conference-style experience where students will present patient cases and researchers will discuss molecular basis of each disease. 3rd year students are expected to provide more of a leadership role (coordinate faculty/patient presentations). Contact course masters for more information on meeting dates/days/times/location.

TMS 707. Vocabulary in Clinical Research. 1-3 Hour.

Students will be exposed to basic topics in clinical research and learn the details involved in designing clinical trials. Students will also sit in as ad-hoc members of the Scientific Advisory Committee of the UAB General Clinical Research Center and learn about the review process for human/clinical research trials.

TMS 714. Modeling Human Disease II. 1-3 Hour.

Open to all students and required for students in the Translational Medicine certificate program. Introduction to the study of disease-based research. The format will consist of clinical-pathobiological conference-style experience where students will present patient cases and researchers will discuss molecular basis of each disease. 3rd year students are expected to provide more of a leadership role (coordinate faculty/patient presentations).

TMS 724. Modeling Human Disease III. 1-3 Hour.

Open to all students and required for students in the Translational Medicine certificate program. Introduction to the study of disease-based research. The format will consist of clinical-pathobiological conference-style experience where students will present patient cases and researchers will discuss molecular basis of each disease. 3rd year students are expected to provide more of a leadership role (coordinate faculty/patient presentations).