

FOUNDATIONS OF MEDICINE (FDNMD-ML)

FDNMD-ML 4078 Introduction to Basic and Translational Research (2 Credits)

"This two-week Intro to Basic and Translational Research elective is devoted to training students in the basic techniques of molecular biology and their application to the study of various ongoing research. The student will be expected to complete a thorough review of the literature in relevant areas of study. The student will learn basic statistical analysis and data presentation, maintain a laboratory notebook with records of experiments and clear, concise, and informative notes. Attendance at lectures and laboratory meetings will be required."

Grading: SOM Graded

Repeatable for additional credit: Yes

FDNMD-ML 4079 Introduction to Basic and Translational Research (4 Credits)

"This four-week Basic and Translational Research elective is designed to train and engage students in the basic techniques of molecular biology and their application to the study of various ongoing research. The student will be expected to complete a thorough review of the literature in relevant areas of study. The student will learn basic statistical analysis and data presentation, maintain a laboratory notebook with records of experiments with clear, concise, and informative notes. Attendance at lectures and laboratory meetings will be required. Utilizing the basic techniques learned and developed throughout the first week of rotation, the student will design and present a specific research project under the supervision of Dr. Reiss. This project may utilize several of the following techniques: cell culture, polymerase chain reaction, immunoblotting and microscopy. The student will conduct the experiments for this project and obtain data for analysis and presentation. Students are strongly encouraged to begin plans and preparation for their research projects in advance of the elective."

Grading: SOM Graded

Repeatable for additional credit: Yes