OVERALL EDUCATIONAL GOAL OF ELECTIVE
To develop familiarity with the recognition of genetic disease, the physical examination with respect to dysmorphology, the diagnosis and primary management of suspected inborn errors of metabolism, and the use of cytogenetic, biochemical, and molecular diagnostic tests in the evaluation of these patients.

OBJECTIVES
• Over the course of the elective, the student will develop the ability to recognize indications for a genetic evaluation, record a complete family pedigree, perform a detailed physical examination with respect to dysmorphology, recognize when an evaluation for an inborn error of metabolism is appropriate, which tests are most appropriate to order, how to manage acutely ill children with suspected inborn errors and utilize the newest available cytogenetic and molecular assays for patient evaluation.
• Under faculty supervision, the student will be an integral part of the consultative services provided by the division. By the end of the rotation, the student will generate consultative reports and counseling letters to families with whom they have been involved.
• The student will prepare one or two cases over the rotation for formal presentation at a departmental genetic or pediatric conference. It is also hoped that the student will identify at least one interesting case to be researched and prepared for publication in a genetics or other medical journal.

BRIEF DESCRIPTION OF ACTIVITIES
The student will report to the Division of Genetics daily with activities to include, 1) participating in 3 outpatient genetics clinics per week, 2) providing inpatient consultative services with Dr. Schnur, 3) attending all genetics and relevant pediatrics conferences, 4) utilizing relevant databases, books and journals to provide optimal, up to date patient care. Opportunities also exist for participating/observing prenatal genetic testing and counseling, and attending a cleft palate team clinic.

METHOD OF STUDENT EVALUATION
The student will be evaluated on the basis of overall ability to obtain a genetic history, perform a dysmorphology-based exam, and recognize and evaluate inborn errors of metabolism. They should also be able to generate relevant questions, research these, and interpret data related to their patients.