***PED 710* – Pediatric Hematology/Oncology Acting Internship – 5 credits**

PROGRAM DIRECTOR: Dr. Andrew Freiberg
LOCATION: Hershey
MAXIMUM NUMBER OF STUDENTS: 1
WHEN OFFERED: All Rotations
LENGTH OF ELECTIVE: 4 weeks
PREREQUISITE: Satisfactory completion of third-year core clerkship in Pediatrics
REPORT TO: Hem/Onc Attending – Call Anne English at x6012
TIME AND LOCATION: 7:30 a.m.; C7830

Only one student can be accommodated per rotation. The elective is managed by Dr. Andrew Freiberg, who is responsible for the overall schedule for the student and the individual project.

- The student will follow several inpatients
  Students will present patients at daily rounds.
  Student will enter CPOE orders to be cosigned by resident or attending
  Student will prepare discharge instructions and discharge summary
  At least one weekend per month seeing patients and writing daily notes.

- Pediatric Hematology/Oncology clinic (UPC 1100)
  Wednesday after rounds
  Friday after rounds - specialty clinics (consult clinic, sickle cell clinic, coag clinic, neuro-onc clinic)

- Attend Division academic conferences (C7602)

"Attending rounds"	(H7306)	Tuesdays	4:00 pm
Peds H/O research conference	(C7602)	Friday	12:00 noon
Peds tumor board	(C7602)	1st and 3rd Friday	1:00 pm

Individual Project

The student is encouraged to research a topic of interest to Pediatric Hematology or Oncology during the month. The topic of choice should be discussed early in the rotation with the attending. During the third or fourth week or after the rotation, the topic should be presented as a short talk for the residents, and/or as a short paper.

***PED 720* – Pediatric Endocrinology and Diabetes Elective – 5 credits**

PROGRAM DIRECTOR: Dr. Ying T. Chang, Division Chief
LOCATION: Briarcrest Office Building, Suite 300, Hershey
MAXIMUM NUMBER OF STUDENTS: 2
WHEN OFFERED: Offered in conjunction with MED 734
LENGTH OF ELECTIVE: 1 Month
PREREQUISITE: Third year core clerkships in Medicine & Pediatrics.
REPORT TO: Contact Lydia Hibshman x1481. Correspondence & schedule will be given upon arrival.
TIME & LOCATION: 8:30 A.M. AND 1:00 P.M.; Pediatrics Subspecialty Clinic Briarcrest Office Building, Suite 300, Hershey

Description: Pathophysiology, diagnosis and treatment of endocrine disorders, including diabetes.

***PED 726* - Clinical Genetics Elective - 5 credits**

PROGRAM DIRECTOR: Dr. Roger Ladda
LOCATION: Hershey
MAXIMUM NUMBER OF STUDENTS: 1
WHEN OFFERED: All Rotations
LENGTH OF ELECTIVE: 1 Month
PREREQUISITE: Third year core clerkships.
REPORT TO: Joan Wengert; phone no.: 531-8414
TIME AND LOCATION: 8:30 a.m.; Room C7864

Description: Student is exposed to the broad knowledge base in human and medical genetics; skills are developed in the diagnosis of a wide range of genetic disorders, in the ability to record and interpret individual and family histories, in the integration of clinical and genetic information to provide genetic risk assessments and appropriate genetic counseling.

***PED 727* - Neonatology Acting Internship - 5 credits**

PROGRAM DIRECTOR: Dr. Timothy W. Palmer
LOCATION: Hershey
MAXIMUM NUMBER OF STUDENTS: 1
WHEN OFFERED: All Rotations
LENGTH OF ELECTIVE: 1 Month
PREREQUISITE: Third year core clerkship in Pediatrics.
REPORT TO: Green Team Fellow or senior resident; phone no.: 513-8412
TIME AND LOCATION: 7:00-7:30 a.m.; NICU (H7164)

Description: During this clinical acting internship, students will be responsible for the day-to-day management of patients in the Neonatal Intensive Care Unit (NICU). This rotation may be most helpful for those interested in Pediatrics or Obstetrics. The goal of the rotation is to provide education in the care and management of patients in the NICU including: organizational skills required for this acute care setting, daily exam and management of assigned patients including presentation on rounds, care plan management, and documentation. The student will have the opportunity to become skilled in procedures such as neonatal resuscitation, umbilical line placement, phlebotomy, and intravenous access as well as other procedures that arise in the daily activities of the unit. The student will also learn process of lab result evaluation, neonatal resuscitation, respiratory support, and ventilation, fluid and electrolyte management, and nutrition management in the NICU patient population. The student will be expected to participate in on-call activities every fourth evening with the senior pediatric resident, neonatal fellow, or neonatal nurse practitioner. The focus of patient care will be on those diseases commonly associated with prematurity, congenital syndromes, cardiac anomalies, surgical issues, and infections. The student is also expected to complete three written, clinical questions each week of the rotation. The student will also be actively involved with teaching rounds, radiology conferences, and multidisciplinary discharge planning.

A copy of the curriculum and list of responsibilities of the Neonatal Acting Intern is available via email from the director.

***PED 740* - Pediatric Cardiology Elective - 5 credits**

PROGRAM DIRECTOR: Dr. Stephen Cyran
LOCATION: Offsite – Hershey Medical Center Children's Heart Group
121 N. Nyes Road, Suite D, Harrisburg, PA 17012
MAXIMUM NUMBER OF STUDENTS: 2
WHEN OFFERED: All Rotations
LENGTH OF ELECTIVE: 1 Month
PREREQUISITE: Third year core clerkship in Pediatrics.
REPORT TO: Dr. Stephen Cyran
TIME AND LOCATION: 8:30 a.m.; Children's Heart Group, 121 N. Nyes Road, Suite D, Harrisburg, PA 17012

Description: A broad experience in the diagnosis, assessment, and management of infants, children, and adolescents with congenital and acquired heart disease. The rotation is primarily outpatient in nature but includes conferences and rounds. Experience in echocardiography, exercise physiology, electrocardiography, cardiac catheterization, and other diagnostic procedures are available if the student is interested. This would require time being spent at the Children's Hospital on selected days.

***PED 750* - Pediatric Nephrology & Hypertension Elective - 5 credits**

PROGRAM DIRECTOR: Dr. Steven Wassner
LOCATION: Hershey
MAXIMUM NUMBER OF STUDENTS: 1
WHEN OFFERED: All Rotations
PREREQUISITE: Third year core clerkships in Medicine and Pediatrics.
REPORT TO: Veronica Clark; phone no.: 531-5707
TIME AND LOCATION: 8:00 a.m.; Room H7512

Description: Clinical application of basic concepts in the diagnosis and management of children with acute and chronic renal disease, renal electrolyte abnormalities, hypertension and voiding dysfunction. The student is fully integrated into the flow of patient care and will be expected to see inpatients and write notes on a daily basis, as well as participate in Pediatric Nephrology outpatient clinics. S/he will be expected to present cases and prepare weekly talks on a variety of common pediatric renal and electrolyte problems. A pre- and post-test are given.

***PED 765* - Pediatric Neurology Elective - 5 credits**
PROGRAM DIRECTOR: Dr. William Trescher
LOCATION: Hershey
MAXIMUM NUMBER OF STUDENTS: 1
WHEN OFFERED: All Rotations
LENGTH OF ELECTIVE: 4 weeks
PREREQUISITE: Third year core clerkships in Medicine and Pediatrics.
REPORT TO: Jill Hartman; phone no.: 531-8790
TIME AND LOCATION: 8:00 a.m.; Room H6508

DESCRIPTION: This course focuses on neurological conditions and disorders of infancy, childhood, and adolescence, including epilepsy, headache, genetic and neurodevelopmental disorders, metabolic and neurodegenerative disorders, central nervous system malignancies, childhood cerebrovascular and inflammatory disorders, and neuromuscular disease. Students will gain proficiency in performing a neurological examination on children. The course is clinically based with the goal of leaning the initial evaluation and management of neurological disorders in children. One-on-one instruction is complemented by conferences in neurology, neuroscience, neurophysiology, and developmental pediatrics. The students will be responsible for inpatient consultations as well as new consultations in the pediatric neurology outpatient clinics. The student will present a short talk on a topic related to child neurology at the end of the rotation.

***PED 770* – Pediatric Critical Care Medicine Acting Internship– 5 credits**
PROGRAM DIRECTOR: Dr. Steven Lucking
LOCATION: Hershey
MAXIMUM NUMBER OF STUDENTS: 1 (2 during October - April)
WHEN OFFERED: All Rotations
LENGTH OF ELECTIVE: 1 Month
PREREQUISITE: Third year core clerkship in Pediatrics.
TIME AND LOCATION: 8:00 a.m.; Pediatric Intensive Care Unit

DESCRIPTION: An elective designed to give the students experience with the specialty of Pediatric Critical Care Medicine. Students will learn the principles of evaluation and management of the child with serious pulmonary insufficiency. This experience will include airway management and ventilator support of children with respiratory failure. Students will also learn the multidisciplinary support of critically ill children with traumatic injury including severe traumatic brain injury, central nervous system infections, toxicological emergencies, cardiovascular instability and multi-system organ failure. Students will function as the primary house officer for one or more patients and are expected to present their patients during morning and afternoon rounds, participate in night call on an average of one night in four and will have the opportunity to perform invasive procedures under the supervision of the Pediatric Critical Care staff.

***PED 780* - Pediatric Acting Internship - 5 credits**
PROGRAM DIRECTOR: Dr. Laura Murphy
LOCATION: Hershey and Lehigh
MAXIMUM NUMBER OF STUDENTS: 1 (HY) and 1 (Lehigh); Acting Internships can also be arranged in the Neonatal and Intensive Care settings at Hershey
WHEN OFFERED: All Rotations
LENGTH OF ELECTIVE: 1 Month
PREREQUISITE: Third year core clerkships
REPORT TO: *Hershey* - Senior Resident Pediatrics; *Lehigh* - Dr. Lee Larusso
TIME AND LOCATION: *HY* - 7:00 a.m., 7th Floor IMC;
Lehigh - 7:00 a.m., 4B, Cedar Crest and I-78 Site

DESCRIPTION: The AI experience is an opportunity for interested students to serve as an intern on a team caring for pediatric patients. It is expected that the AI will build on skills learned in the 3rd year and show increased independence and decision making in managing patients. Students will carry patients as an intern and directly report to the senior resident or faculty member. They will carry an average of 3-4 pts, be responsible for notes, labs, and presentations daily and serve as an integral member of the team. In both locations, independence, medical decision making, differential diagnoses, physical exam skills and oral presentations will be emphasized. Call will be as part of the team--every 4th night and weekend days with the team.