

## **PEDIATRIC HEMATOLOGY & ONCOLOGY**

### **Department of Medicine**

#### **SCOPE OF PRACTICE**

##### **PGY-4 – PGY-6**

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The program provides three years of training and includes both clinical and basic research. The first year is purely clinical and the last two years are mostly dedicated to research. The trainee acquires skills which provide him/her with the expertise required to be an independent Pediatric Hematologist/Oncologist as well as being capable of having an academic career in the field. The research activity is carried on either in the Division of Pediatric Hematology/Oncology or in any of the laboratories on campus involved in cancer research. Both clinical and research activities take place on the MUSC campus.

#### **PGY-4**

The trainee will be mostly involved in the diagnosis and treatment of patients on the wards. This year will be entirely dedicated to clinical work. During that year there will be direct supervision by an experienced Pediatric Hematologist/Oncologist with teaching in the pathophysiology of different disorders, procedures relevant to the field (bone marrow aspirations, lumbar punctures with chemotherapy, bone marrow harvesting, etc.), and management of patient (chemotherapy, blood products, interpretation of diagnostic immunology studies, etc). The clinical experience will include both hematology and oncology. In oncology, the trainee will participate in the diagnosis and management of pediatric patients with different leukemias, solid tumors, lymphomas, and marrow transplantation. In hematology, there are a variety of disorders that the trainee will manage, such as different anemias, hemoglobinopathies, coagulation disorders, platelet disorders, and hematological problems of the newborn. Our service is very involved in the management of sickle cell anemia and developed a sickle cell program with two physicians, a nurse coordinator and a research nurse solely involved with sickle cell disease.

#### **PGY-5 & PGY-6**

Training is dedicated to research. Each trainee will have a mentor in the laboratory to instruct him/her with the research projects. The mentors will be established researchers in their field and the trainee will have a choice of different programs on campus. Fellows can also opt to enroll in the Masters in Clinical Science program instead of the lab research. The only clinical duties during the second and third years will be on a day/week continuation clinic and some night/weekend cross coverage. The objective of the research training is to provide the trainee with the research capability that he/she could carry on as an independent investigator in the future.