

## **St. Jude Children's Research Hospital**

St. Jude Children's Research Hospital (SJCRH) is a premier basic science research center and one of the largest centers in the world for research and treatment of pediatric cancers and other catastrophic diseases in children. The Pharmaceutical Department is a clinical and academic department within the institution. The department's mission is to provide the highest-quality comprehensive clinical pharmaceutical care to children with catastrophic diseases, always working to integrate research findings into clinical care as quickly as possible. The Pharmaceutical Department includes an accredited clinical laboratory responsible for all clinical drug assays and comprehensive centralized and decentralized distributive and clinical pharmacy services, all supported by a fully integrated state-of-the-art electronic medical record system, including computerized physician order entry. SJCRH offers three unique postgraduate year two (PGY2) residency programs. These include the first ASHP-accredited clinical pharmacogenetics residency and programs in medication-use safety and oncology, focusing on pediatrics.

Our PGY2 oncology residency, focusing on pediatrics, had its first resident in 1990 and became ASHP accredited in 2008. To date, we have trained 34 pharmacists in pediatric oncology. The SJCRH pediatric oncology residency provides advanced training in clinical therapeutics for the pediatric patient with cancer, an introduction to clinical research, and organized experiences for the management of sophisticated pharmacy service programs. The residency is directed toward producing a clinical practitioner and includes training in applied pharmacokinetics, pharmacogenetics, nutrition support, and pediatric pharmacotherapy. The residency experience provides training in general hematology/oncology in both an inpatient and an ambulatory care setting, bone marrow transplantation, infectious diseases, and ambulatory care. Various longitudinal rotations include participating in a professionalism and leadership experience mentored by our Chief Pharmaceutical Officer, developing a pharmacy operations and drug distribution systems project, and developing one or more guidelines or medication use policies. Residents have the opportunity to complete elective rotations in an HIV ambulatory clinic at SJCRH, general pediatrics, or adult oncology (coordinated with an outside institution) or to work with a faculty member in our Pharmaceutical Sciences laboratory.

Residents participate in patient education, provision of drug information, Pharmacy and Therapeutics committee functions, quality improvement programs, fiscal planning, and program development. Training in clinical research and participating in collaborative clinical protocols are provided. Residents are expected to develop and complete a research project during the year, present their findings at meetings, and develop a publication.

Experience in teaching is acquired through providing lectures, in-services, and journal club presentations and precepting pharmacy students and visiting residents. Residents have the opportunity to participate in the University of Tennessee Teaching & Learning Program. SJCRH residents are required to identify a formal mentor with whom they should have regular meetings during the year. Residents are encouraged to seek out other mentorship available within the Pharmaceutical Department, hospital, or Memphis area.

More information about our residency program can be found at [www.stjude.org/pharmacyresidency](http://www.stjude.org/pharmacyresidency).