

CHOP Research Institute Summer Scholars Program



Lamia P. Barakat, Ph.D.
Oncology

Pediatric Psychology

Dr. Barakat's pediatric psychology research program in hematology and oncology is focused on applying risk and resilience models to facilitate disease management and health-related quality of life for children with chronic health conditions and their families. Current studies also aim to delineate attitudes to clinical trials and develop decision-making support tools. Dr. Patterson's work in the Newborn/Infant Intensive Care Unit (N/IICU) focuses on developing evidence-based programs which promote healthy coping for families as they manage the complexities associated with having a child in the Unit.



Chavis A. Patterson, Ph.D.
Neonatology

- **Potential summer research projects:**

(1) Psychosocial screening at diagnosis and off treatment in pediatric oncology; (2) Survey research evaluating long-term outcomes for those treated on cancer clinical trials; and (3) Development and testing of: (a) decision support interventions (oncology and sickle cell disease), (b) health interventions to improve follow-up care for adolescents and young adults with cancer, (c) intervention to reduce anxiety in N/IICU parents using a psycho-educational parent training.

- **Students will learn the following techniques:**

(1) Critical literature reviews; (2) Participant recruitment and survey data collection; (3) Database development and basic statistics; and (4) Contributions to psychosocial program planning and implementation.

Behavioral Research: Patient-oriented research that involves the application of social science concepts to better understand principles of human behavior (may involve human subjects or data collected from human subjects)

Please click [here](#) to read more about Dr. Barakat and click [here](#) to read more about Dr. Patterson