

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 development and evaluation of evidence-based assessment and intervention to facilitate disease management and health-related quality of life for children with chronic health conditions and their families. 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) web-based, coach facilitated problem-solving intervention to improve family management for caregivers of young adult survivors of brain tumors, (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