

CHOP Research Institute Summer Scholars Program



Andrew J. Bauer, M.D.

Endocrinology

Clinical Research: Patient-oriented research examining the safety and effectiveness of diagnostics, medicines or medical devices (may involve human subjects or data collected from human subjects)

Pediatric Thyroid Disorders

Our research is focused on determining predictors of malignancy in patients with thyroid nodules, improved medical and surgical management for both benign and malignant thyroid disorders, and the behavioral and neurocognitive impact of living with and being treated for thyroid cancer and autoimmune hyperthyroidism.

- **Potential summer research project:**

(1) The use of pre-operative steroids to reduce transient hypoparathyroidism; (2) Exploration of molecular markers associated with thyroid cancer metastasis; (3) Neurocognitive evaluation of patients with autoimmune hyperthyroidism; (4) Health-related quality of life for pediatric patients with thyroid cancer; and (5) Evaluation of factors that contribute to self-esteem in adolescence treated with thyroidectomy of Graves' disease.

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

(1) Clinical database management and chart review; (2) Research protocol design, submission, and scientific writing skills; and (3) Patient interview and interaction skills.

Please click [here](#) to read more about Dr. Bauer