

Case Head and Neck Cancer Research Collaborative

The Case Head and Neck Cancer Research Collaborative is a research initiative organized around the scientific focus of improving the diagnosis and treatment of head and neck cancers through novel therapeutics based on pre-clinical investigation.

Goals

The primary goal of this multidisciplinary, disease-based translational program is to integrate the pre-clinical research at the School of Dental Medicine and clinical research programs in head and neck cancer at University Hospitals and promote inter-professional activities across multiple fields that play a role in the diagnosis and treatment related to head and neck cancer.

To achieve the goal of improved patient outcomes via rapid translation of tumor biology to the clinic, the program encompasses laboratory efforts in cancer biology, research and clinical pathology (biorepository database), and clinical research services. Specific focus has been placed on developing and identifying methods for therapeutic and diagnostic tumor market development.

Themes

This research initiative is centered on the main medical disciplines in head and neck cancer:

- Otolaryngology head and neck surgery
- Medical oncology
- Radiation oncology
- Tumor immunology
- Dental medicine

In addition to the research conducted on site at CWRU School of Dental Medicine and University Hospitals, the program engages in international research in Uganda and Taiwan in efforts to create sustainable infrastructure in endemic populations.

Members

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