Advancing Immunotherapy for Pediatric Brain Cancer

Brain cancer is the second most common form of cancer that affects children and young adults. Most pediatric brain cancers are highly invasive and, as brain tumors grow in size, they can cause a wide variety of painful and life-altering symptoms. It is the leading cause of death among kids with cancer. While the cause of this disease is not yet understood, brain cancer is one of the main cancer types for which new immunotherapy treatments are being developed.

Immunotherapy, which harnesses the power of a patient’s immune system, is the central component of a host of clinical trials now underway at City of Hope. Among these is one called chimeric antigen receptor (CAR) T cell therapy. It shows significant promise in treating brain cancer in early clinical trials where the CAR T cells have been injected directly into the ventricles of the brain, allowing the immune cells to move freely throughout the organ as they destroy cancer cells.

Supporting Innovative Research

This year’s Building Hope campaign provides vital research funding for City of Hope’s Leo Wang, M.D., Ph.D., an assistant professor in the Departments of Immuno-Oncology and Pediatrics. Dr. Wang is currently enrolling patients in a clinical trial using CAR T cells in the fight against pediatric brain cancer.

Offering New Hope and Healing to Kids with Brain Cancer

City of Hope is at the forefront of worldwide efforts to advance immunotherapy. We are making great strides, changing the way in which kids with brain cancer are treated and, ultimately, cured. Additional resources are needed to continue moving this project forward.

Together, we can help to cultivate innovation and breakthroughs by investing in the next generation of scientific leaders. The Building Hope 2018 campaign aims to raise $100,000 to advance City of Hope’s search for promising treatments for pediatric brain cancer.

With your partnership, you and your Building Hope colleagues together make it possible for researchers, like Dr. Wang, to explore innovative ideas that have the power to bring hope and healing to young patients at City of Hope and throughout the world.

To support Building Hope and view our progress visit www.CityofHope.org/BuildingHope2018