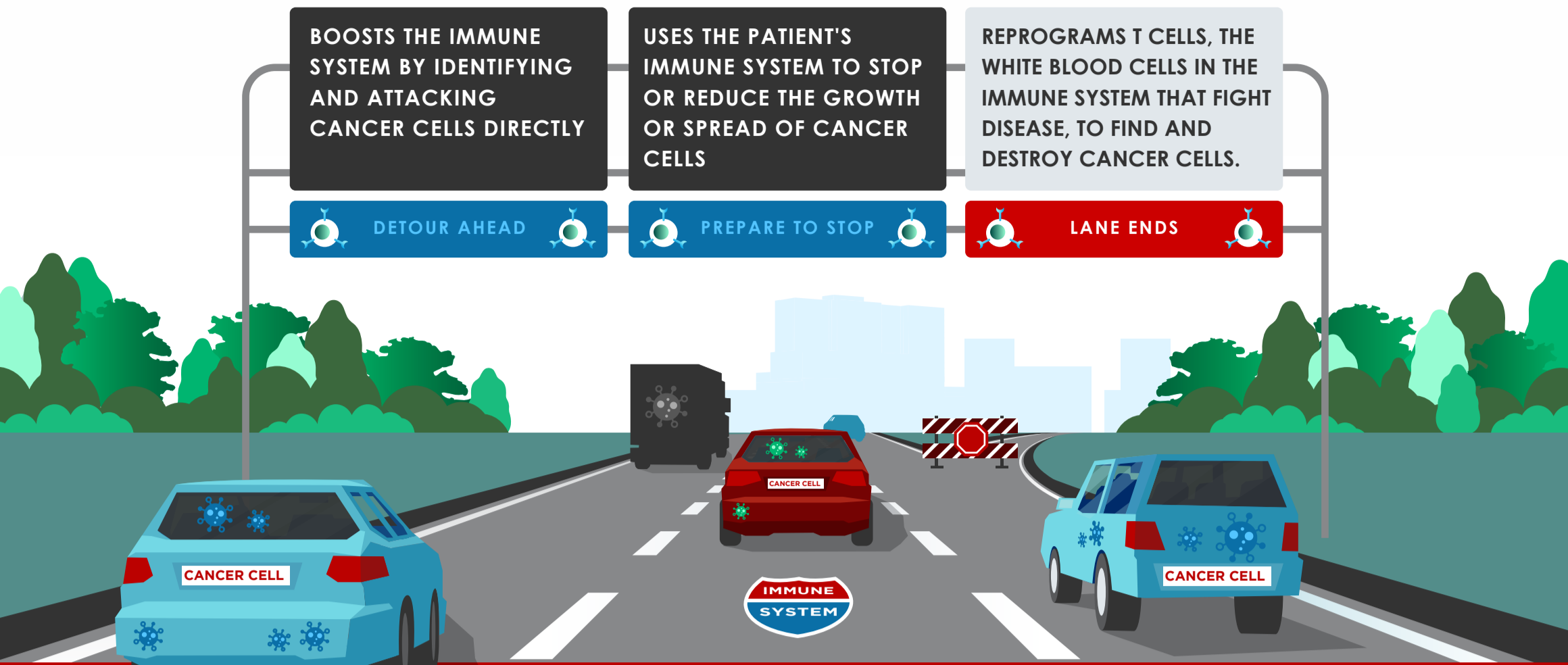


HOW IMMUNOTHERAPY IS REVOLUTIONIZING CANCER TREATMENT

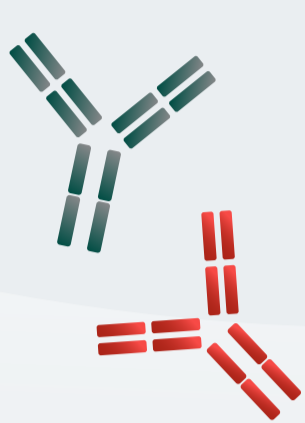
What is Immunotherapy?

Any form of treatment that uses the patient's immune system to prevent, manage, or fight cancer

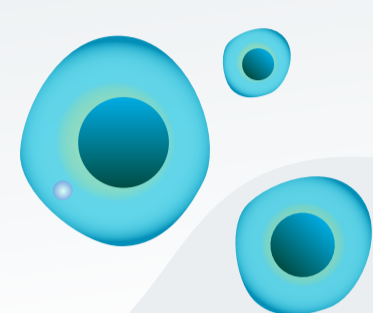
HOW DOES IT WORK?



WHAT ARE THE TYPES?

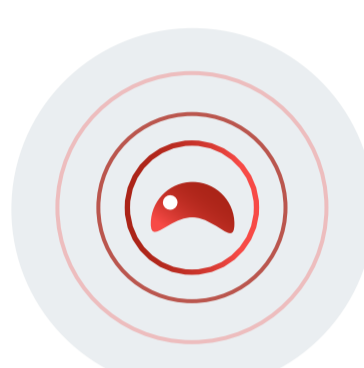


Monoclonal antibodies—drugs that attach to specific cell-targets to create an immune response that destroys cancer cells

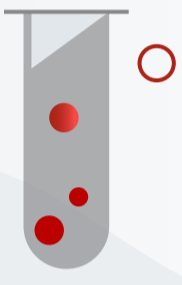


Cytokine therapy—increasing a patient's cytokines, the protein molecules that help the immune system bolster its defense against cancer

CAR T cell therapy—genetically improving a patient's white blood cells with protein "receptors" that recognize and eliminate abnormal cells



Adoptive cell transfer—removing T cells from a patient's tumor or blood to reproduce or alter in a laboratory, then returning the cells to the body to stimulate the immune system



Vaccines—a biological preparation that protect the body from developing certain cancers or help the immune system destroy antigens within abnormal cells



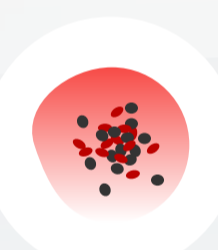
Drug therapy—drugs that block mechanisms that enable cancer cells to hide from the immune system



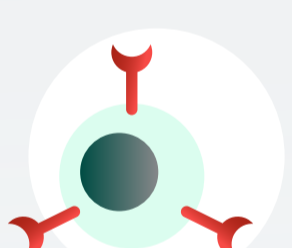
WHAT ARE THE BENEFITS?



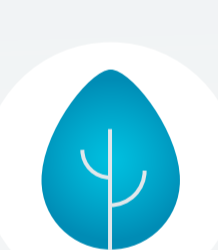
Used to treat a variety of cancers, with even more potential new therapies currently in clinical trials



Effective on certain cancers that are difficult to treat and do not respond to conventional treatments



Continues to work post-treatment by training the immune system to automatically recognize and attack cancer cells



Offers a less invasive treatment option with fewer side effects than chemotherapy and radiation



Allows the body to kill metastatic disease (cancer that has spread), thus lowering the chances for relapse

HOW CAN I LEARN MORE?

Immuno-oncology is the next frontier of cancer care, and the OSUCCC – James is leading the way with the establishment of the Pelotonia Institute for Immuno-Oncology (PIIO). The PIIO is a comprehensive bench-to-clinical-trial-to-bedside research initiative that will accelerate discoveries in immunotherapy to fight cancer at all levels, from prevention to treatment to survivorship.

“ It has been a dream for centuries to one day harness the immune system to fight cancer. Well, guess what? It's happening now. ”

- Zihai Li, MD, PhD, founding director of the Pelotonia Institute for Immuno-Oncology at the OSUCCC – James

“ Immunotherapy plays a role in many, if not most, cancer treatments today. ”

- Dr. David P. Carbone, MD, PHD, director of the OSUCCC – James Thoracic Oncology Center

CONTACT THE OSUCCC – JAMES



to find out whether immunotherapy might be right for your treatment. Learn more about how to **talk to your doctor** about immunotherapy.