

## D-Feet Cancer is Teaming Up with St. Baldrick's Foundation!

D-Feet Cancer is excited to announce that we will be donating \$100,000 to a research team working to cure Ewing Sarcoma. This research will be conducted by Dr. Wei Li and his team at the University of Pittsburgh who have partnered with the St. Baldrick's Foundation EPICC Team. EPICC is 'Empowering Pediatric Immunotherapies for Childhood Cancer' [www.stbaldricks.org/epicc](http://www.stbaldricks.org/epicc). We are hopeful that this innovative research will provide a cure for patients with Ewing Sarcoma. To briefly summarize the research:

The goal of an ideal chemotherapy agent is one that is highly effective against cancer cells while causing little or no harm to the normal cells in our body. Unfortunately, the current options for treatment of Ewing Sarcoma are traditional chemotherapy medications that come with many side effects.

Antibody drug conjugates (ADC's) are known as "biological missiles" vs. cancer cells. ADCs are made up of a monoclonal antibody linked to a drug. The antibody binds to receptors found only on cancer cells, sparing normal cells. After the ADC binds to the receptors on cells, the toxic drug attached to the antibody enters the cancer cells and kills them. Dr. Li's lab has created an ADC that specifically targets Ewing Sarcoma cells.

Additionally, they plan to generate bi-specific ADCs (bsADCs) which are similar to ADCs but target multiple receptors. The researchers hope that by using innovative bsADC technology, they can kill more Ewing Sarcoma cancer cells and prevent relapse and metastases.

We are hopeful that this research will help children diagnosed with Ewing Sarcoma and provide the cure that Will and Jen promised Dalton they would work tirelessly to find.