

Kentsis, Alex

Alex Kentsis is a cancer biologist and pediatric oncologist who treats children and young adults with leukemias and refractory solid tumors. In particular, he is interested in developing treatments that maximize the success of currently available therapies and devising new therapies that are precise, curative, and safe. His research takes advantage of modern technologies to improve our understanding of the biologic causes of blood and solid tumors. His laboratory has recently identified new mechanisms of resistance to apoptosis and aberrant gene control in acute myeloid leukemias, and mechanisms of site-specific oncogenic mutations and DNA repair dependencies in childhood solid tumors. Together with colleagues, he made discoveries about new therapeutic targets in cancer cells, mechanisms by which cancer cells can evade new treatments, and improved strategies to overcome treatment resistance.