



John D'Orazio, MD, PhD

## RESEARCH HIGHLIGHTS FROM

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### FOCUS OF THE STUDY

About one in ten children, adolescents and young adults with cancer may have an inherited (genetic) reason to explain why they got cancer, referred to as an inherited cancer syndromes. The best way to find if a child has an increased inherited cancer risk is through genetic testing. The DanceBlue Pediatric Hematology/Oncology Clinic at Kentucky Children's Hospital offers a specialized care to provide personalized treatment to young people with increased genetic cancer risk.

### WHAT WE ARE DOING

In collaboration with the Markey Cancer Center's (MCC) Community Outreach and Engagement we have established the Cancer Predisposition Advisory Council (CPAC) made up of inherited cancer patients, caregivers and stakeholders. This group learns about the clinical programs and research being done at MCC for inherited cancer syndromes and provides insight to the clinical care providers and researchers as to how we can better serve the community.

### OUTCOMES



Two symposiums on pediatric inherited cancers, attended by patients, providers, researchers, and the community to review state-of-the-art research and clinical opportunities.



With critical input from the CPAC we are able to understand the impact of cancer genetic risk to our patients and their families.



### FUTURE DIRECTION

Grow collaboration with Norton Children's Hospital (University of Louisville) to develop a state-wide program to identify and manage young people affected by inherited cancers.

Additional research is being done on how specific mutations may lead to a cancer diagnosis. We are understanding new ways of treating cancer that have these mutations.