

cc-TDI Partners with NIH to Address Critical Research Challenges in Rhabdomyosarcoma

HILLSBORO, OR, UNITED STATES, January 16, 2025 /EINPresswire.com/ -- The Children's Cancer Therapy Development Institute ([cc-TDI](#)) is proud to announce a new publication, DNA methylation patterns are influenced by Pax3::Foxo1 expression and developmental lineage in rhabdomyosarcoma tumours forming in genetically engineered mouse models, published in the Journal of Pathology. This study, led by Dr. Wenyue Sun at National Institutes of Health (NIH), in collaboration with cc-TDI, explores the underlying genetic drivers of RMS. Key findings are that cell-of-origin may influence the behavior of the cancer.

The study, born out of a 2014 call to action at a conference held at [Cold Spring Harbor Laboratory](#), sought to address the urgent need for greater collaboration in the fight against childhood cancer. This publication represents a key milestone in the collaborative efforts between basic science laboratories, clinical researchers, and advocacy groups, marking the sixth publication resulting from the partnership between Dr. Barr's lab at NIH and cc-TDI.

Drs. Barr and Keller (cc-TDI) were inspired by Nancy Arcati, the mother of T.J. Arcati, a child whose battle with RMS in 2014 spurred the call for greater action between basic science laboratories. This call for collaboration has now resulted in a series of impactful research papers, including a recent clinical trial with the drug entinostat, which involved a multi-lab partnership between the Barr lab, cc-TDI, and the Vakoc lab at Cold Spring Harbor Laboratory. The findings of this study are available in the journal Oncotarget (<https://pubmed.ncbi.nlm.nih.gov/30459282/>). Thank you to cc-TDI family partners: Ava's Army, Team Brad, The Kristian Project, and Carson Confronts Cancer for supporting this research.

The Children's Cancer Therapy Development Institute (cc-TDI, www.cc-tdi.org), is a 501(c)(3) non-profit biotech organization whose mission is to translate scientific discovery into clinical trials by understanding and proving new disease-specific treatment options for children with cancer. cc-TDI's research team of biologists and engineers work closely to identify targets on cancer cells and provide evidence-based testing for the selection of new drugs to be used in childhood cancer phase I and phase II clinical trials.

Erika Ellis
Children's Cancer Therapy Development Institute
+1 503-985-6016

[email us here](#)

Visit us on social media:

Facebook
LinkedIn
Instagram

This press release can be viewed online at: <https://www.einpresswire.com/article/777350670>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.