

Children's Discovery Institute (CDI) (<http://www.childrensdiscovery.org/>). The Children's Discovery Institute is a world-class center for pediatric research and innovation created to encourage researchers to ask bold questions and take high risks to uncover answers. By funding the work of creative scientists and clinicians in collaborative, multi-disciplinary research aimed at some of the most devastating childhood diseases and disorders, the Children's Discovery Institute will accelerate the realization of better treatments, cures, and preventions. This partnership established in 2006 between St. Louis Children's Hospital and Washington University is uniquely positioned to leverage the abilities of clinicians, investigators, trainees, and professional staff throughout the University's academic and medical community. The Children's Discovery Institute supports broad, interdisciplinary research initiatives within four specific centers (listed below). The Center's approach is intended to focus thinking and innovation through open participation and the exchange of ideas. Since the CDI's inception in 2006, the CDI has awarded more than \$72 million in scientific grants.

McDonnell Pediatric Cancer Center: focuses on the etiology and treatment of pediatric cancers.

Center for Metabolism and Immunity: focuses on musculoskeletal, kidney and gastrointestinal disorders including the microbiome, disorders of metabolism and diseases related to the immune system.

Center for Pediatric Pulmonary Disease: focuses on the biology of the pulmonary system and genetic and acquired causes of pediatric lung disease.

Congenital Heart Disease Center: focuses on the environmental and genetic etiology of congenital heart and vascular disease, related birth defects, and other heart disorders.