Stopping Cancer in Its Tracks

While a cancer diagnosis is scary for patients and their families, treatment advances in the past 30 years have significantly improved the overall survival rates in children, adolescents and young adults with cancer. In the United States, childhood cancer survival rates have increased from less than 20 percent in the 1960s to almost 80 percent today. But there is more work to do. At Connecticut Children’s, we are working towards survival rates of 100 percent for all children through our many clinical trials and research studies.

Saving Newborns through Innovation

Compromised lungs are a primary problem in premature newborns and can be life-threatening. But what if we could develop new lungs for premature babies by growing lung tissue, or treat premature lung disease with stem cell therapy? While it may sound like research of the future, the future is now at Connecticut Children’s. As our researchers continue their work in tissue engineering, other investigators are working to better understand immune response in certain diseases. Our researchers are also looking at therapeutic outcomes to determine why some patients respond better to treatments than others do.

Finding Keys to the Mystery of Autism

Autism, learning disabilities and developmental delays are among the neurodevelopmental disorders that can lead to a decreased quality of life and lifelong disability in pediatric patients. Researchers at Connecticut Children’s are collaborating with investigators at the University of Connecticut Health and The Jackson Laboratory to gain a better understanding of Autism Spectrum Disorder (ASD), while investigators at our Connecticut Human Milk Research Center plan to investigate the impact of human milk on brain and cognitive development in premature newborns.

Keeping Young Athletes in the Game

Young athletes are susceptible to injuries, but researchers at Connecticut Children’s Elite Sport Medicine and Center for Motion Analysis are staying ahead of the curve by studying sports-related injuries and their prevention. By applying biomechanics and science to medicine, our researchers are using motion analysis to study the biomechanics of common sports-related injuries and are applying their 30 years of research and therapeutic expertise evaluating surgical outcomes to a variety of orthopaedic conditions and movement disorders.

We embrace discovery and teamwork.

Through our many research initiatives and collaborations, we are:

• Advancing care in hematology/oncology;
• Expanding our understanding of tissue engineering, repair and immune response;
• Applying principles of biomechanics and bioengineering to sports medicine; and
• Discovering more about Autism Spectrum Disorder and neurodevelopment.

And much more.

Forging New Frontiers in Pediatric Research

Connecticut Children’s Medical Center is home to the faculty of the University of Connecticut’s Department of Pediatrics and Division of Pediatric Surgery.

Connecticut Children’s Medical Center is a nationally recognized, 187-bed not-for-profit children’s hospital. It is the only free-standing children’s hospital between Boston and Philadelphia and offers comprehensive, world-class health care to children.
At Connecticut Children’s, our medical and scientific professionals are forging new frontiers in research, advancing treatment options and searching for potential cures for childhood diseases and disorders. Our faculty is actively involved in basic, translational and clinical research — work that will impact pediatric care in our region and, ultimately, across the globe.

YOU can Make the Difference
Your gift can launch the next promising line of research. Your gift can take research from promise to project. Your gift can bring discoveries and innovations from the mind of the researcher to the hands of the caregiver.

 Harnessing the power of genomics to guide personalized treatment.

- Reducing rates of infectious disease at home and abroad
- Advancing care for treatment-resistant tumors
- Growing new lungs for premature babies
- Searching for answers to Autism Spectrum Disorder
- Reducing devastating GI disease in premature infants

To learn more about what you can do, please contact Connecticut Children’s Medical Center Foundation at 860.837.5700, or visit our website at connecticutchildrensfoundation.org.