



2009 March of Dimes Mission Investment in Tennessee

Total Research Grants Active in Tennessee*	\$2,524,347
Total Local Community Grants	\$87,103
Special Project – Community Voice	\$381,600
NICU Family Support Project	\$55,281
Chapter Quality Improvement Project – Tennessee Initiative for Perinatal Quality Care	\$15,000
Educational Programs and Collaborative Projects	\$243,708
Advocacy Initiatives	\$16,800
TOTAL: Dollars active in supporting our mission in Tennessee in 2009:	\$3,323,839

Please contact Valencia Nelson, State Director of Program Services, at vnelson@marchofdimes.com if you have any questions. Thank you!

* All research grant dollars reflect the most current information available.



2009 March of Dimes Mission Investment in Tennessee

2009 National Research Grants in Tennessee

Grantee	Goal	Amount
East Tennessee State University, J.H. Quillen College of Medicine Johnson City Olga A. Cabello, PhD Associate Professor Dept. of Biochemistry & Molecular Biology A Mouse Model for Congenital Vesicoureteral Reflux	Goal: Prevent and treat urinary tract defects.	\$225,000
Vanderbilt University Nashville E. Michelle Southard-Smith, PhD Assistant Professor Departments of Medicine and Cell & Developmental Biology, Division of Genetic Medicine Neural Crest Lineage Analysis in the Enteric Nervous System	Goal: Improve treatment of Hirschsprung disease, which affects about 1 in 5,000 births.	\$306,100
Vanderbilt University Medical Center Nashville Chin Chiang, PhD Associate Professor Department of Cell and Developmental Biology Molecular Pathogenesis of Esophageal Atresia and Tracheal Atresia	Goal: Prevent and treat birth defects of the trachea and esophagus.	\$259,245
Vanderbilt University Medical Center Nashville Tsutomu Kume, PhD Assistant Professor Department of Medicine, Division of Cardiovascular Medicine Molecular Mechanisms of Cardiac Outflow Tract Development	Goal: Prevent malformations of the outflow tract.	\$255,818

Grantee	Goal	Amount
Vanderbilt University Medical Center Nashville Xiangli Yang, PhD Assistant Professor Department of Medicine ATF4 in the Control of Chondrocyte Differentiation	Goal: Understand the causes of bone defects, as a basis for eventually developing treatments.	\$181,049
Vanderbilt University Medical Center Nashville Laura Anne Lee, MD, PhD Assistant Professor Department of Cell and Developmental Biology A Drosophila Model of Human Microcephaly	Goal: Improve diagnosis and develop prevention or treatments for microcephaly.	\$264,000
Vanderbilt University Medical Center Nashville H. Scott Baldwin, MD Professor and Vice Chair of Pediatrics Chief, Division of Pediatric Cardiology The Role of Early Endocardial Differentiation in Congenital Heart Disease	Goal: Develop novel non surgical treatments to repair congenital heart defects.	\$283,135
Total		\$1,774,347

Basil O'Connor Research Grants

Grantee	Goal	Amount
Vanderbilt University Nashville Lawrence S. Prince, MD, PhD Assistant Professor of Pediatrics Division of Neonatology Mechanisms of Altered Lung Morphogenesis in Bronchopulmonary Dysplasia	Goal: Develop improved treatments for BPD, which affects about 10,000 babies each year.	\$150,000
Vanderbilt University Medical Center Nashville Michael Kane Cooper, MD Assistant Professor Department of Neurology The Role of Cholesterol in Forming a Gradient of the Hedgehog Morphogen	Goal: Find ways to prevent or treat holoprosencephaly and other disorders caused by disturbed Hedgehog signaling.	\$150,000

<p>Vanderbilt University Medical Center Nashville Laura Anne Lee, MD, PhD Assistant Professor Department of Cell and Developmental Biology Analysis of Drosophila Microcephalin, a Novel Cell Cycle-Regulated Protein Required for Normal Human Brain Development</p>	<p>Goal: Improve diagnosis and develop treatments for microcephaly.</p>	<p>\$150,000</p>
<p>Vanderbilt University Nashville Christopher Brian Brown, PhD Assistant Professor Department of Pediatric Cardiology Department of Pharmacology Semaphorin 3C Signaling in Cardiac Neural Crest Development</p>	<p>Goal: Improve understanding of the causes of heart defects in order to develop ways to prevent them.</p>	<p>\$150,000</p>
<p>St. Jude Children's Research Hospital Memphis David J. Solecki, Ph.D Assistant Member Department of Developmental Neurobiology</p>	<p>Goal: Molecular and Genetic Dissection of Cerebellar Granule Neuron Migration</p>	<p>\$150,000</p>
<p>Total</p>		<p>\$750,000</p>
<p>2009 Total Research Investment Active in Tennessee:</p>		<p>\$2,524,347</p>

Tennessee 2009 Local Community Grants

Grantee	Goal	Amount
Washington County Health Department	To create a stronger program that increases accessibility to prenatal education services for high risk pregnant women in Washington County.	\$ 13,000
Middle Tennessee State University	This 2 nd year continuation grant will provide SIDS reduction education to day care providers, parents and prospective parents using well baby services.	\$ 8,704
Metro Public Health Department	To provide education to women of childbearing age through an innovative preconception health education program targeting African American women who are not in the traditional target population for infant mortality reduction programs.	\$ 14,809
Women's Wellness Clinic	This 2 nd year continuation will provide the MOMS and Childbirth With You to develop a new model of integrated prenatal care and birth. The program includes the Centering Pregnancy model and doula support for labor, birth and postpartum.	\$ 19,800
Johnson City Medical Center	The simulator lab is developed to fund professional education using patient simulation for physicians and staff throughout the East Tennessee region to reduce poor perinatal outcomes.	\$ 12,000
University of Tennessee	The 2 nd year continuation Heartstring's Initiative is an innovative comprehensive prematurity prevention program that will provide education and encouragement to 150 women who are at very high risk of delivering a preterm infant based on past history of preterm delivery.	\$ 18,790
Total Local Community Grant Investment Active in 2009:		\$87,103
Special Project – Community Voice		\$381,600
NICU Family Support Project		\$55,281
Chapter Cooperative Agreement-Tennessee Initiative for Perinatal Quality Care		\$15,000
Educational Programs and Collaborative Projects		\$243,708
Advocacy Initiatives		\$16,800
TOTAL DOLLARS INVESTED IN MISSION PROGRAMS IN TENNESSEE IN 2009:		\$3,323,839

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