



APRIL 22, 2017

Tecumseh Harrison Elementary School
2116 N. 2nd Street -Vincennes, IN. 47591



8085 Saltsburg Road, Suite 201
Pittsburgh, PA 15239
1-888-317-UMDF (8633)
info@umdf.org
www.umdf.org

MISSION STATEMENT

To promote research and education for the diagnosis, treatment, and cure of mitochondrial disorders and to provide support to affected individuals and families.

Runners Name _____

Address _____

City/State/Zip _____

Phone(s) _____

E-mail _____

5K Registration fee: \$30 - Make Checks Payable to UMDF

Circle Shirt Size: YS YM YL YXL S M L XL

Please Complete this donation form and mail it to: To register online, visit www.umdf.org/bradysbunch5k

Jamie Sterchi

3468 E. Meadow Creek Ct.

Vincennes, IN 47591

Miles for Mito

Brady's Bunch 5K and Fun Run

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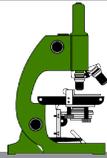
Registration.....8:00

5K Run.....8:30

Fun Run.....Immediately following 5K

Disclaimer: I know that running or walking in a road race is a potentially dangerous activity. I should not enter and run/walk unless I am medically able and properly trained. I agree to abide by any decision of a race official relative to my ability to safely complete the run. I assume all risks associated with running or walking in this event including, but not limited to contact with other participants, the effects of the weather, including high heat and/or humidity, traffic, and the conditions of the road, all such risks being known and appreciated by me. Having read this waiver and knowing these facts, and in consideration of your accepting my entry, I form myself and anyone on my behalf, waive and release Miles for Mito, the 5K walk and run committee, the city of Vincennes, and all race sponsors, supporters and officials, their representatives and successors from all claims of liabilities of any kind arising out of this event for any legitimate purpose.

Brady Sterchi



RESEARCH FUND

Brady Sterchi was born on March 23, 2007. His fight against mitochondrial disease started in infancy, but he wasn't diagnosed until right after his second birthday. He was diagnosed with mitochondrial myopathy, encephalopathy, lactic acidosis, and stroke (MELAS) syndrome, which is a progressive neurodegenerative disorder. Brady suffered a stroke at 23 months of age. His temperature was 106.3 and his blood sugar was at 10. He was having uncontrolled seizures and was put in a medically induced coma for nine days.

"Mito" as we call it, is a progressive disease that occurs when the mitochondria of our cells fail to produce energy for organ function, leading to organ failure; therefore, it can affect the whole body. In Brady's case, his brain is affected. After his initial strokes, Brady couldn't do the things he was doing before. He had to relearn how to hold up his head, crawl, walk, and everything in between. When Brady came home from the hospital, he was having numerous seizures a day and essentially was like a 6 week old. He was fed through an NG tube until it was decided within a couple months to have a gastrostomy tube placed for nutrition. Today, Brady's seizures are controlled with medication and he is 100% tube fed.

Diseases of the mitochondria appear to cause the most damage to cells of the brain, heart, liver, skeletal muscles, kidney, endocrine, and respiratory systems. Depending on which cells are affected, symptoms can differ. Brady's symptoms include problems with motor control, sensory issues, swallowing difficulties, poor growth, vomiting, respiratory complications, developmental delays, and susceptibility to illnesses.

Mitochondria produce more than 90 percent of the body's energy. When these tiny parts of the cell can't do their job, the body doesn't get the energy it needs, resulting in a wide range of debilitating and sometimes fatal symptoms. Every 30 minutes, a child is born who will develop a mitochondrial disease by age 10. Each year, 1,000 to 4,000 children in the United States are born with a mitochondrial disease. While exact numbers of children and adults suffering from mitochondrial disease are hard to determine, we now know the disease is approaching the frequency of childhood cancers. Many people who suffer from mitochondrial disease are frequently misdiagnosed due to a lack of specialists. This is why we need your support.

UMDF grants support research spanning one to three years at institutions across the United States, Canada, Europe, and Australia. The UMDF Brady Sterchi Research Fund has co-funded the Research Project "A Human Reprogrammed-Cell Model of MELAS" at Sanford – Burnham Medical Research Institute. The insights into MELAS obtained from the results of this project thus far, along with ongoing efforts are expected to facilitate the development of novel effective therapies for this devastating disorder.

In 2016, UMDF Brady Sterchi Research Fund co-funded these UMDF Research Projects:

Alessandro Bitto, Ph.D.
University of Washington Medical Center
Postdoctoral Fellowship Award - \$70,000
Molecular Mechanisms for Suppression of Mitochondrial Disease by Acarbose

Dr. Bitto will evaluate an FDA-approved drug called acarbose for efficacy in a translational mouse model of Leigh Syndrome.



Zarazuela Zolkipli Cunningham, MBChB MRCP
The Children's Hospital of Philadelphia
Small Clinical Study Award – 1 year/\$25,000
Development and Validation of a New Outcome Measure in Mitochondrial Disease

Dr. Zolkipli Cunningham and collaborators aim to develop a new outcome measure for mitochondrial myopathy that is specifically designed for use in Phase II/III clinical trials.

The United Mitochondrial Disease Foundation was formed by families affected by mitochondrial disease. The Foundation provides support to families and funds mitochondrial disease research. Since 1996, the UMDF has funded more than \$11 million in research projects aimed at finding better treatments for mitochondrial diseases, with the ultimate goal of a cure.

This research has increased the understanding of mitochondrial function, improved diagnosis and moved us closer to treatments and, ultimately, a cure for those who face this devastating disease.

Please donate to the Brady Sterchi Research Fund and bring "hope, energy, and life" to Brady and all those affected by mitochondrial disease. Through research, the medical world will be able to help those affected with "mito" win the battle.

