Stay in the know

Scientific Merit Review will be held in November 2021.

2. Building BRIDGES to a Diabetes Metabolomics Core Support Program

Building BRIDGES (Firouzi, Erin Rothwell) with a program called, the "Summer Research Program: Therapies for treating diabetes and heart disease.

DMRC investigators.

Kola Okuyemi, Angela Fagerlin, Martin Tristani-Firouzi and his colleagues discovered that exercise increased the amount of a certain fat element in the membrane. This was beneficial, as exercise is known to improve health. The researchers found that this increased fat element made the membrane more fluid and allowed the cell to better communicate with other cells.

The researchers also found that this increased fluidity was due to the increased amount of "mitochondrial pyruvate carriers," which act as doorways to let pyruvate enter the mitochondria. This allows the cell to better convert pyruvate into energy, which is crucial for cell function.

This discovery is significant because it could lead to new therapies for treating diseases such as diabetes and heart disease, which are often associated with mitochondrial dysfunction. The researchers are now working on developing these therapies.

The team that conducted this research also received a new grant, which will allow them to further investigate their findings.

The DMRC has led or supported two large NIH proposals to support EDI community access to Cardiovascular Genetics Biobank. They have also supported the Metabolomics T32 Training Grant.

Prior to joining the DMRC, Rutter was an English professor at the University of Pennsylvania and a member of the American Academy of Arts and Sciences. He was awarded a Heinz Award for his role in helping to create the biotechnology industry and for his interest in education and the arts.

Under the direction of Keke Fairfax, five presenting students participated in professional development workshops. Under the leadership of Dr. Andrea Swartz, the Population Research Group (PRG) has been working to advance the understanding of how demographic factors affect health outcomes. The PRG is currently involved in two large NIH-funded studies that focus on the study of health disparities.

The DMRC investigators have also been involved in several new initiatives. They have been working on developing new methodology in metabolism that will be used by the broader DMRC research community. They have also been working on developing new methods for data analysis.

The DMRC has also been involved in several new initiatives, such as the "Health Behaviors Seminar Series" and "Seminars in Metabolism." The "Health Behaviors Seminar Series" is a series of seminars that focus on the role of health behaviors in the development and treatment of chronic diseases. The "Seminars in Metabolism" is a series of seminars that focus on the role of metabolism in the development and treatment of chronic diseases.

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