

## Order of the Amaranth Positive Outcomes

The only way we are going to bend the curve of this epidemic is to disrupt the status quo—to be strongly focused on understanding and meeting the needs of the people living with diabetes and their families. As we recognize our 40-year partnership with the Amaranth Diabetes Foundation, the American Diabetes Association Research Foundation is grateful for our longstanding collaboration.



**KEVIN JON WILLIAMS, MD**  
Heart Disease and Diabetes

**2001–2004**

Dr. Williams identified and characterized a potential target

to prevent lipid abnormalities and heart disease in diabetes. Now, therapies directed at this target are in clinical trials.



**W. KENNETH WARD, MD**  
The Artificial Pancreas

**2003–2005**

Dr. Ward developed a way to control glucose levels in diabetes

by integrating an implantable device that measures glucose continuously, an insulin pump, and a mathematical method of controlling insulin delivery from the glucose data. This early iteration of the artificial pancreas has since been further developed by more scientists and is close to reaching patients.



**MICHELLE PERFECT, PhD**  
Sleep and Diabetes

**2013–2017**

Dr. Perfect sought to examine if systematically increasing sleep in

youth with type 1 diabetes would lead to improvements in behavior, cognitive performance, and glucose levels. Indeed, she found that when sleep duration increased, 1) glucose control improved; 2) internalizing symptoms (anxiety, depression) decreased; and 3) reading fluency and cognitive tasks improved.

## Contact Information

### ADF Board of Directors

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### Supreme Council

#### Order of the Amaranth, Inc.

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To order brochures call:

**1-800-342-2383**

Please indicate that you are calling from the Order of the Amaranth.

For information about diabetes and the American Diabetes Association:

**diabetes.org**

**1-800-DIABETES**

The American Diabetes Association and Amaranth Diabetes Foundation gratefully accept planned gifts.

For free Estate Planning information:

**diabetes.org/giving**

**1-888-700-7029**

**PlannedGiving@diabetes.org**

**The mission of the American Diabetes Association is to prevent and cure diabetes and to improve the lives of all people affected by diabetes.**



ORDER OF THE AMARANTH  
Amaranth Diabetes Foundation



## ORDER OF THE AMARANTH Amaranth Diabetes Foundation

**2019–2020**

**FOR MORE THAN 40 YEARS,** the Order of the Amaranth and the American Diabetes Association® Research Foundation have worked together to fund numerous researchers and their cutting-edge work **in the fight against diabetes.**

In Partnership With



## About us

The Order of the Amaranth is an international Masonic-related organization that endeavors to develop the moral character of its members through a belief in a Supreme Being and teaching the lessons of Truth, Faith, Wisdom and Charity.

The Amaranth Diabetes Foundation (ADF) is a 501(c)(3) organization that serves as the charitable arm of the Order. Since its inception in 1979, ADF donates all monies it raises in the United States to the American Diabetes Association Research Foundation, where 100% of the funds support promising diabetes research. Our International Order also funds research in their respective areas to help improve the lives of people living with diabetes.

The ADF recognizes that diabetes is a devastating disease that affects nearly 30 million Americans and countless others around the world. Statistics show that 1.4 million Americans are diagnosed with diabetes every year and it is for this reason that the ADF has been a strong supporter of American Diabetes Association Research Foundation.

**We can all make a difference!** You can make a tax-deductible donation to the ADF. In addition to cash gifts, ADF accepts memorial donations, honorariums, stock, and estate designations. Together, we can help people live longer lives.

**Amaranth Diabetes Foundation makes a difference.**

## 2019-2020 Order of the Amaranth Supported Research Awards and Grants

The Amaranth Diabetes Foundation is an integral part of the global effort to stop the spread of diabetes. The Foundation Board selects the ADA Research Foundation-sponsored research projects that are conducted by the following scientists:



**ERIN E. KERSHAW, MD**

University of Pittsburgh, Pittsburgh, Pennsylvania

### Understanding the Genetic Risk for Obesity and Diabetes

Dr. Kershaw and her team have identified a gene mutation that increases the risk of obesity but also decreases the risk for diabetes. This seems to be a paradox since obesity is normally linked to a higher risk for diabetes. This research project sets out to determine how this gene influences the development of obesity and protection from diabetes. This study will provide more specific preventive or treatment interventions to achieve the best possible outcomes in each individual.

(Grant completed 12/31/2019)



**LAURA CRISTINA ALONSO, MD**

University of Massachusetts Medical School, Worcester, Massachusetts

### Regenerating Beta Cells to Treat and Prevent Diabetes

This project sets out to study whether the genetic changes that increase diabetes risk alter human beta cell characteristics, like insulin production, insulin

secretion, and beta cell regeneration. The long-term goal of this project is to find ways to get beta cells to regrow, to prevent or treat diabetes.

(Grant completed 12/31/2020)



**TRACEY LYNN MCLAUGHLIN, MD**

Stanford University, Stanford, California

### Determining How Gastric Bypass Surgery Reverses Type 2 Diabetes

Currently, gastric bypass surgery is the only known way to reverse type 2 diabetes in a sustainable and durable manner. Persistent remission of diabetes occurs in approximately 85% of patients who undergo this procedure. We do not understand precisely how gastric bypass surgery causes this diabetes reversal, although it occurs very shortly after surgery and before significant weight loss. The goal of Dr. McLaughlin's project is to better understand what biological factors account for the change in blood glucose regulation after surgery. In the future, it may be possible to mimic gastric bypass in the form of a pill or other treatment, eliminating the need for surgery.

(Grant completed 7/1/2022)