

Dr. Leon Carlock is a 1972 graduate of Joshua High School. He earned a Bachelor of Science degree in Chemistry from Ouachita Baptist University, and a PhD in Biochemistry from Purdue University. Dr. Carlock's career spans many scientific fields, such as molecular and cell biology, genetics, neuroscience, virology, and translational science. Dr. Carlock was one of the first people in the world to perform the site directed mutagenesis technique that resulted in a novel gene phenotype; the first person to isolate an mRNA transcript from a human chromosomal region deleted in persons with Cri du chat syndrome; the one who led the efforts to identify critical genetic markers that later led to cloning of the Huntington Disease and Cystic Fibrosis disease genes; and the one who is currently leading the charge on innovative cancer therapies that act on a previously unknown enzymatic target discovered in his laboratory. His scientific achievements are reflected in numerous publications in peer-reviewed journals, 12 patents, millions of dollars in National Institutes Health and Foundation funding, research agreements and state of Michigan grants for technology development. He is the founder of two biotechnology companies, GliaGen, LLC and CaCy Therapeutics, LLC.