Lu Qi Publishes Textbook on Gene-Environment Interactions

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Dr. Lu Qi, HCA Regents Distinguished Chair and Professor in the Department of Epidemiology at the Tulane University School of Public Health and Tropical Medicine, has edited a newly released textbook entitled Gene-Environment Interactions and Human Diseases.

The book, published by Nova Science Publishers, addresses a rapidly growing interest in assessing the relationship between environmental risk factors (such as diet, lifestyle) and human diseases by considering the potential roles of genomic make-up, epigenome, and gut microbiome.

Specialists with backgrounds in epidemiology, nutrition, genetics, epigenetics, microbiome, biostatistics, and bioinformatics authored chapters on topics such as lipids, obesity, diabetes, cardiovascular disease, cancer, multiple sclerosis, pancreatitis, Parkinson's disease, and longevity. Qi, himself, wrote preface and three chapters, on Genome, Environment, and Human Diseases, Gene-Environment Interaction and Obesity, and Gene-Environment Interactions on Type 2 Diabetes. Qi leads the Tulane Obesity Research Center.

The book is an up-to-date look at the field of gene-environment interactions on human diseases and explores the cutting-edge methods used to detect the interactions. The potential applications of the findings from this field in personalized prevention and treatment of human diseases are also addressed.