

DNA Methylation Handbook

About the Book

This book aims to educate readers about the concepts of DNA methylation. Epigenetics is one of the most thrilling and speedily increasing areas of modern genetics with functions in many disciplines from medication to cultivation. The most frequent form of epigenetic alteration is DNA methylation, which plays a key role in primary developmental procedures such as embryogenesis and also in the response of organisms to a broad variety of ecological stimuli. Certainly epigenetics is being fast regarded as one of the main mechanisms used by animals and plants to alter their genome and its appearance to adapt to a diverse number of ecological factors. This book is a compilation of research into DNA methylation and highlights recent advances in methodology and information of underlying mechanisms of this most significant of genetic procedures.

About the Editor

Billy Malcolm is a Master of Science in bioengineering from Florida Atlantic University, United States. His academic and research interests lie in bioengineering, bioinformatics, genetics and epigenetics. He is an assistant research professor in the Department of Genetics at an open research university. His current work is focused on protein methylation and DNA methylation. Malcolm, a veteran in the field of genetics, has authored and/or edited numerous books, articles and journal papers on bioengineering and genetics.

