



DNA

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Epigenetics and Environmental Exposures

Guest Editors:

Dr. Benoît Miotto

Team Epigenetics, DNA replication and Cancer, Université de Paris, Institut Cochin, INSERM, F-75014 Paris, France

Dr. Tina Bianco-Miotto

School of Agriculture, Food and Wine, Waite Research Institute, University of Adelaide, Adelaide, SA 5005, Australia

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Message from the Guest Editors

Dear Colleagues,

It is well known that our lifestyles, as well as our environment, have a pronounced effect on our organisms. Examples abound of how chemical compounds and xenobiotics present in food, water or the atmosphere are capable of altering epigenetic status and gene expression and thus impact human health. More importantly, some studies have reported on the long-term effects of these exposures or effects linked to low-dose exposure.

Epigenetic modifications play a central role in regulating various essential cellular processes. These modifications are extremely sensitive to changes in cell metabolism or cell signalling induced by environmental signals. Characterizing the relationship between environmental exposures, these modifications and their functions is essential to better understand how environmental signals can be linked to disease or long-term effects.

In this Special Issue, we welcome review articles and original research studies exploring these aspects in vitro, in cellular and animal models as well as in human.

Dr. Benoît Miotto
Dr. Tina Bianco-Miotto
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Special Issue