

BPI Review Form 070520

Book Name:	<u>New Visions in Medicine and Medical Science</u>
Manuscript Number:	Ms_BP_3429G
Title of the Manuscript:	Effect of DNA Methylation and Environmental Factors on Drug Addiction
Type of the Article	Book Chapter

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PART 1: Review Comments

	Reviewer's comment	Author's comment (If agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. Authors must write his/her feedback here)
Is the manuscript important for the scientific community? Please write a few sentences explaining your answer	The importance of genetic and epigenetic regulation in many behavioral abnormalities like drug addiction is well known. Considering the effect of environmental factors on epigenetic modifications, understanding the interaction between environmental factors and epigenetic modifications in drug addiction can be important in the control and treatment of addiction in future research.	
Is the title of the article suitable? Do you have any alternative Title in your mind?	It is better to mention the influence of environmental factors on the DNA methylation pattern and their intervention in addiction. In this title, it may seem that environmental factors and DNA methylation patterns are not related and their role is investigated separately in addiction.	
Is the abstract of the article comprehensive? If your answer is No, please provide suggestions	No, Please explain more about the interaction between DNA methylation and environmental factors and elucidate how environmental factors can affect drug addiction by affecting the DNA methylation pattern.	
Do you think the English quality of the article is suitable for scholarly communications? If your answer is No, please provide suggestions	Yes	
Please provide your comments regarding the appropriateness of different sections of the manuscript.	Inthe section "2. DNA METHYLATION AND ADDICTION", the main part of the text is related to the modifications observed in the methylation pattern in some specific genes in drug addicts. How these modifications in the methylation pattern can play a role in addiction should be discussed in detail, by describing the biological function of hypermethylated or hypomethylated genes and their possible role in the process of drug metabolism and finally, examining the mechanism by which the change of methylation pattern can affect addiction in relevant studies. An interesting topic that has been very little discussed in this manuscript is the interaction between environmental factors and the DNA methylation pattern. Please explain more about the interaction between DNA methylation and environmental factors and elucidate how environmental factors can affect drug addiction by affecting the DNA methylation pattern. You can add these descriptions in the title "3. ENVIRONMENTAL FACTOR AND ADDICTION"and the abstract section.	
Do you think that the references in the manuscript are proper, recent and sufficient? If you have any suggestions, please write here.	It is better to use more recent articles that have been published in recent years.	

PART 2:

	Reviewer’s comment	Author’s comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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