

## SPECIFIC COMMENTS TO AUTHORS

The authors have tried to summarize the recent findings on how DNA methylation affect disease. The topic is very interesting, yet the content and writing style need some improvements.

1. The abstract is really bad and needs a complete revision, with concise, more accurate statement on what recent studies have found DNA methylation affect human diseases.

We are grateful to the reviewers for their valuable comments and suggestions.

We have revised the abstract and the entire paper has now been edited by a specialized agency (please see the Supplemental materials file in the section showing the changes (in red) after the specialized editing agency).

2. There have been a lot of knowledge on how DNA methylation affect the genesis, progression of cancer, and how epigenetic drugs can be used to treat cancer. This area, in theory, should be an essential part of this Editorial. Yet, due to the fact that the authors are not working in the field and thus not familiar with the development, the discussion on such important area is non-existent.

In this editorial we do not pretend to take into consideration all aspects of DNA methylation but we would like to highlight only the most novel, original and interesting findings. Continuing towards this aim and acquiring the precious suggestion of the referee, we have inserted a paragraph in which we underline the importance of the DNA methylation in cancer and particularly in the mechanisms that may lead to its onset (please see the Supplemental materials file in the section 1 showing the changes (in red) before undergoing to the editing agency).

3. Page 4, without any introduction, the authors started talking about the epimutations. The regular epigenetic modifications in stem cells, during differentiation, and in various differentiated cells are not “epimutations”. Please clarify the point.

We have revised this concept, we have included a definition of epimutations and we have

eliminated the word “epimutation” when it was not appropriated (please see the Supplemental materials file in the section showing the changes (in red) before undergoing to the specialized editing agency).