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| Journal Name: | [**Journal of Cancer and Tumor International**](https://journaljcti.com/index.php/JCTI) |
| Manuscript Number: | **Ms\_JCTI\_139435** |
| Title of the Manuscript: | **Decoding Tumor Heterogeneity: Multi-Omics Approaches to Track Cancer Evolution and Therapy Resistance** |
| Type of the Article | **Review Article** |

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| **PART 1: Comments** |
|  | **Reviewer’s comment****Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | **Author’s Feedback** (It is mandatory that authors should write his/her feedback here) |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This manuscript represents the multi-omics approaches are revolutionizing our understanding of tumor heterogeneity, clonal evolution, and therapy resistance. By combining genomics, epigenomics, transcriptomics, proteomics, and metabolomics with advanced computational tools, the study underscores the transformative potential of systems-level tumor profiling in precision oncology. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | **YES** |  |
| **Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.** | Yes, the abstract of manuscript is too general its need to scientific data |  |
| **Is the manuscript scientifically, correct? Please write here.** | Yes, this manuscript is scientifically correct. |  |
| **Are the references sufficient and recent? If you have****suggestions of additional references, please mention them in the review form.** | Yes manuscript includes recent references but more citation is needed. |  |
| **Is the language/English quality of the article suitable for scholarly communications?** | Language is suitable minor errors is present. |  |
| **Optional/General** comments | The manuscript is well-structured and informative, offering valuable insights into multi-omics in cancer research. Minor improvements in language clarity and additional references will further enhance its quality. |  |

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| **PART 2:**  |
|  | **Reviewer’s comment** | **Author’s comment** *(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)* |
| **Are there ethical issues in this manuscript?**  | *(If yes, Kindly please write down the ethical issues here in details)* |  |

**Reviewer details:**

**Aditya Singh, Integral University, India**