

## PEER-REVIEW REPORT

**Name of journal:** *Artificial Intelligence in Cancer*

**Manuscript NO:** 72527

**Title:** Artificial Intelligence Reveals Roles of Gut Microbiota in Driving Human Colorectal Cancer Evolution

**Reviewer's code:** 05387405

**Position:** Peer Reviewer

**Academic degree:** MSc, PhD

**Professional title:** Research Scientist

**Reviewer's Country/Territory:** Hungary

**Author's Country/Territory:** China

**Manuscript submission date:** 2021-10-19

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-10-20 06:37

**Reviewer performed review:** 2021-10-21 07:48

**Review time:** 1 Day and 1 Hour

<b>Scientific quality</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## **SPECIFIC COMMENTS TO AUTHORS**

Author of the article summarized the current knowledge about AI techniques that can help to understand the role of gut microbiota in the development of CRC. The article is well written, with good English. The following small issues should be resolved: 1. There is only one author, however plural is used in some cases (e.g. in introduction). The use of passive is recommended for those sentences. 2. The resolution of the OTU should be in the text (line 98) and not in the title (line 90) 3. Line 264 and 267: determining