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PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 65406

Title: Systems-level biomarkers identification and drug repositioning in colorectal cancer

Reviewer's code: 01588784

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Assistant Professor, Senior Lecturer, Surgeon

Reviewer's Country/Territory: Japan

Author's Country/Territory: Turkey

Manuscript submission date: 2021-03-06

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-03-07 23:35

Reviewer performed review: 2021-03-09 02:43

Review time: 1 Day and 3 Hours

Scientific quality	[Y] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[Y] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

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SPECIFIC COMMENTS TO AUTHORS

This review article systematically outlines the general principles and application of systems biology approaches (genomics, transcriptomics, proteomics, and metabolomics), introducing variety of available diagnostic and prognostic biomarkers. This review article also presents the current concepts and process of drug repositioning, exhibiting the clinically or experimentally validated repurposed drugs. This comprehensive review article certainly provides an improved understandings of systems-level biomarkers and drug repositioning in colorectal cancer treatment, and is valuable for numerous area of expertise including physicians, surgeons, pharmacists, as well as professionals in bioengineering and bioinformatics. Figures and tables are clear and concise.