



ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 25724

Title: Genomic diversity of colorectal cancer: Changing landscape and emerging targets

Reviewer’s code: 03003450

Reviewer’s country: Italy

Science editor: Ze-Mao Gong

Date sent for review: 2016-03-22 18:58

Date reviewed: 2016-04-01 21:21

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> Plagiarism	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

This is a nice and timely review on the most recent evolutions in the field of targeted treatment of colorectal cancer based on the genomic landscape of the disease. The review provides an interesting overview of the current clinical trials and investigational drugs in CRC and I think it would be of interest for the readers of WJG. I have just some minor comments/suggestions. 1. Preliminary data of a possible re-sensitization to anti-EGFR monoclonal antibodies of RAS mutated tumors after a wash out period with other targeted drugs have been recently published and could be of interest for the readers (Siravegna et al, NatCommun, 2015) 2. A brief overview of the main TCGA findings for colorectal cancer should be provided 3. For ctDNA it should be pointed out that although the test sensitivity was low with traditional detection methods ('false negative results' according to the authors), the most recent use of high sensitivity techniques as digital PCR increased to more than 90% the concordance between tumor and plasma DNA analysis. In addition the analysis of ctDNA in plasma instead of tumor DNA could has the advantage to overcome the problem of tumor genomic heterogeneity. 4. The source of clinical trial numbers should be mentioned



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 25724

Title: Genomic diversity of colorectal cancer: Changing landscape and emerging targets

Reviewer's code: 00057695

Reviewer's country: Saudi Arabia

Science editor: Ze-Mao Gong

Date sent for review: 2016-03-22 18:58

Date reviewed: 2016-04-23 12:44

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
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<input type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

This is an excellent overview of the genomic landscaping of colorectal cancer and its role in selecting targeted therapy to minimize adverse events associated with conventional chemotherapy and improve patient survival. The topic is interesting and you have presented nicely



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 25724

Title: Genomic diversity of colorectal cancer: Changing landscape and emerging targets

Reviewer's code: 00053417

Reviewer's country: China

Science editor: Ze-Mao Gong

Date sent for review: 2016-03-22 18:58

Date reviewed: 2016-04-30 09:19

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
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		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

In this comprehensive review, the authors provide update data regarding the roles of genomic diversity in targeted therapies for colorectal cancer (CRC). Although some review articles in the field have been published, this paper well summarizes innovative information, which adapts readers.