

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 50317

**Title:** Molecular characterization of metastatic gastric cancer: current knowledge and future perspectives

**Reviewer's code:** 03009411

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Professor

**Reviewer's country:** China

**Author's country:** Italy

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2019-07-17 09:47

**Reviewer performed review:** 2019-07-21 08:49

**Review time:** 3 Days and 23 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

Gastric cancer is a leading cause of cancer related deaths worldwide. There are still many challenges in the treatment of patients with metastatic GC. New therapies can bring new hope to patients with metastatic GC. This minireview provides a global overview of the recent molecular classifications from The Cancer Genome Atlas (TCGA) and the Asian Cancer Research Group (ACRG) and to present key promising developments in the field of immunotherapy and target therapies in metastatic GC. Clinicians can learn about the progress of relevant research from this review. Remarkable advances in the molecular characterization of GC have expanded our knowledge and paved the way to novel treatment options that will hopefully improve the survival outcomes of patients with metastatic GC.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

##### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 50317

**Title:** Molecular characterization of metastatic gastric cancer: current knowledge and future perspectives

**Reviewer's code:** 02687374

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Professor

**Reviewer's country:** China

**Author's country:** Italy

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2019-07-17 13:56

**Reviewer performed review:** 2019-07-21 14:23

**Review time:** 4 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

This review was aimed to provide a global overview of the recent molecular classifications from TCGA and ACRG and to present key promising developments in the field of immunotherapy and target therapies in metastatic GC. The authors introduced gastric cancer molecular classification, and current standard treatments in metastatic gastric cancer. Furthermore, her2 primary and acquired resistance and rtk/ras - target therapies as well as immunotherapy were introduced. This review is comprehensive and data extraction and analysis are appropriate. In addition, the author made an appropriate assessment on the current status of GC molecular characterization and summarized the prospects of molecular therapy and immunotherapy. Therefore, I recommend accepting this manuscript.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

##### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 50317

**Title:** Molecular characterization of metastatic gastric cancer: current knowledge and future perspectives

**Reviewer's code:** 03035837

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Chief Doctor, Professor

**Reviewer's country:** China

**Author's country:** Italy

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2019-07-16 11:13

**Reviewer performed review:** 2019-07-23 06:20

**Review time:** 6 Days and 19 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

This review provided a global overview of the recent molecular classifications of GC according to gene mutations, chromosomal aberrations, transcriptional and epigenetic alterations, and the key developments in the field of immunotherapy and target therapies in advanced GC were also introduced. It could help researchers comprehend the advances in the molecular characterization of GC and recent advances of its molecular therapy and immunotherapy, and may be helpful to explore novel treatment options that will hopefully improve the survival outcomes of patients with advanced GC. The title is better to revised to better reflect the main subject of the manuscript, and the content of the manuscript need to be better organized, to make the content more smoothly. In addition, language editing is still needed.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

##### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 50317

**Title:** Molecular characterization of metastatic gastric cancer: current knowledge and future perspectives

**Reviewer's code:** 02523682

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Associate Professor

**Reviewer's country:** China

**Author's country:** Italy

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2019-07-18 00:40

**Reviewer performed review:** 2019-07-23 15:52

**Review time:** 5 Days and 15 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

The manuscript described that the recent molecular classifications of various GCs from The Cancer Genome Atlas (TCGA) and the Asian Cancer Research Group (ACRG), and reviewed the promising developments in the field of immunotherapy and target therapies in metastatic GC. Although the description and logic of the manuscript is accepted and clear, the contents of this paper is not consistent with the title is “Molecular characterization of metastatic gastric cancer: current knowledge and future perspectives”. Actually the authors well reviewed the therapeutic methods for GC with about half of length in this paper. Thus, the authors should well modify the manuscript to accord with the title, especially for metastatic feature. In addition, it will be better if the authors use appropriate chart to describe the molecular characterization of GC.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

##### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 50317

**Title:** Molecular characterization of metastatic gastric cancer: current knowledge and future perspectives

**Reviewer's code:** 03766000

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Assistant Professor, Research Assistant Professor

**Reviewer's country:** China

**Author's country:** Italy

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2019-07-17 02:39

**Reviewer performed review:** 2019-07-26 01:25

**Review time:** 8 Days and 22 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS



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This minireview by Pellino A et al summarized the recent progress in the molecular classifications of metastatic gastric cancer from The Cancer Genome Atlas (TCGA) and the Asian Cancer Research Group (ACRG) databases, and provided the potential targets for the therapy of metastatic gastric cancer.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

##### ***BPG Search:***

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 50317

**Title:** Molecular characterization of metastatic gastric cancer: current knowledge and future perspectives

**Reviewer's code:** 02841708

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Professor

**Reviewer's country:** China

**Author's country:** Italy

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2019-07-28 02:21

**Reviewer performed review:** 2019-07-28 02:34

**Review time:** 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS



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Some images of molecular mechanism should be provided.

#### INITIAL REVIEW OF THE MANUSCRIPT

##### *Google Search:*

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

##### *BPG Search:*

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No