



PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 38929

Title: Emerging role of long non-coding RNA in the development of gastric cancer

Reviewer’s code: 03009243

Reviewer’s country: Japan

Science editor: Fang-Fang Ji

Date sent for review: 2018-03-29

Date reviewed: 2018-04-05

Review time: 7 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 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 type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

In this manuscript, Yu H and Rong L reviewed the role of long non-coding RNA in the development of gastric cancer. The manuscript is concisely written with appropriate references and easy to understand. However, this manuscript requires improvement. Please refer the following comments. 1) This review does not contain any figures or



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tables. The deficit makes readers difficult to understand the overall concepts or information provided by the authors. 2) The author must explain the molecular mechanism of action of lncRNA in more detail. The authors just mentioned chromatin modification, transcriptional regulation, and post-transcriptional regulation as the molecular mechanism. However, other mechanism still exists, such as absorption of micro RNA (sponge effect), precursor for micro RNA, or regulation of splicing. The authors must include additional mechanism. 3) The authors cited HOTAIR, H19, GAS5, MEG3, LINC00152, UCA1, and MALAT1 as representative lncRNAs contributing pathogenesis of gastric cancer. However, the function of each lncRNA has not explained in the same fashion. For some, detailed molecular mechanisms have been described, but not for others. 4) The description in the literature is not accurate. There are sentences describing contents without citing the literature. The first sentence in the section of 'H19', "LncRNA H19, discovered in 1991 by Bartolomei, was the first imprinted lncRNA gene identified." must cite 'Bartolomei MS et al. Nature, 351: 153-5, 1991.' 5) There is no uniformity in the use of abbreviations. For instance, RNA polymerase II was abbreviated to RNAP II, but the word again appeared without abbreviation. There is also a mistake in description of the name of the author. The first author of the reference number 48 is Endo H., but not Hiroyuki E.

INITIAL REVIEW OF THE MANUSCRIPT

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- [Y] No



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PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 38929

Title: Emerging role of long non-coding RNA in the development of gastric cancer

Reviewer’s code: 00503561

Reviewer’s country: Japan

Science editor: Fang-Fang Ji

Date sent for review: 2018-03-29

Date reviewed: 2018-04-19

Review time: 21 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input checked="" type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input 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 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
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SPECIFIC COMMENTS TO AUTHORS

Well written and informative review.

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 38929

Title: Emerging role of long non-coding RNA in the development of gastric cancer

Reviewer's code: 02446277

Reviewer's country: Romania

Science editor: Fang-Fang Ji

Date sent for review: 2018-04-19

Date reviewed: 2018-04-20

Review time: 1 Day

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" 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 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
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publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
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			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

In present manuscript the authors are presenting the link between long non-coding RNA (lncRNA) and gastric cancer tumorigenesis. The manuscript includes a very useful introduction in structure, mechanisms and functions of lncRNA, followed by a section assigned to their role in gastric cancer. Among lncRNA discussed are HOTAIR, H19,



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GAS5, MEG4, LINC00152, UCA1, MALAT1. Overall, the topic is very actual and interesting, and gives the background into the subject. The manuscript is well organized and easy to follow. May be improved with additional data as follows: (1) Because in the literature there are mentioned more long non-coding RNA than described in the manuscript (see Oncotarget 2017, 8(46): 81572–81582; Frontiers in Laboratory Medicine 2017, 1(2): 59-68), I suggest the authors to include one table to list them, specifying the function, up/down-regulation in gastric cancer, citation, etc. (2) Another suggestion is to include data about the lncRNA association with prognosis (Frontiers in Laboratory Medicine 2017, 1(2): 59-68). (3) A minor observation: in Category of lncRNAs section, page 3, the letter “s” is missing in the construct: “only a mall proportion”

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 38929

Title: Emerging role of long non-coding RNA in the development of gastric cancer

Reviewer's code: 00004011

Reviewer's country: Greece

Science editor: Fang-Fang Ji

Date sent for review: 2018-04-19

Date reviewed: 2018-04-24

Review time: 5 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 checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
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		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
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SPECIFIC COMMENTS TO AUTHORS

It is a very well written and documented manuscript

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