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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 39588

Title: Form confers function: The case of the 3'X region of the hepatitis C virus genome

Reviewer's code: 01805500

Reviewer's country: Italy

Science editor: Xue-Jiao Wang

Date sent for review: 2018-05-17

Date reviewed: 2018-05-21

Review time: 4 Days

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[ ] Grade E: Do not publish		[ ] Rejection	[Y] Advanced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

SPECIFIC COMMENTS TO AUTHORS

Authors, in ordr to give feadres a more comprehensive view of the topic, mainly those outside this specific field of research, should further emphasise the extra-hepatic role of HCV, maimnly at immune system localization, with very long-lasting effects, which are extremely difficult to treat, as evident in....Successful and Safe Long-Term Standard

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Antiviral Therapy in a Patient with "Explosive" Immune Response in Course of HCV-Related Liver Cirrhosis. Int J Mol Sci. 2015 Jun 19;16(6):14075-85.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 39588

Title: Form confers function: The case of the 3'X region of the hepatitis C virus genome

Reviewer's code: 01548565

Reviewer's country: China

Science editor: Xue-Jiao Wang

Date sent for review: 2018-05-17

Date reviewed: 2018-05-22

Review time: 5 Days

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[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection	[ ] Accept (High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

SPECIFIC COMMENTS TO AUTHORS

In this study, the author reviews the several different secondary structure models of the 3'X region of HCV have been proposed. It is likely that the 3'X region adopts more than one structural form in infected cells and that a specific equilibrium between the various forms regulates several aspects of the viral life cycle. The author summarizes current

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knowledge of the structure and function of the 3'X region of hepatitis C genomic RNA, reviews previous opinions, presents new hypotheses and summarizes the questions which need further investigation.

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 39588

Title: Form confers function: The case of the 3'X region of the hepatitis C virus genome

Reviewer's code: 00032020

Reviewer's country: Japan

Science editor: Xue-Jiao Wang

Date sent for review: 2018-05-21

Date reviewed: 2018-05-28

Review time: 6 Days

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

SPECIFIC COMMENTS TO AUTHORS

Manuscript No: 39588 Title: Form confers function: The case of the 3'X region of the hepatitis C virus genome Manuscript Type: Review Dr. Dutkiewicz M et al. This is an interesting and informative review. Minor; In lines 4-8, page 8, 'In fact, genotype 1 (1a and 1b) is more virulent and resistant to medical treatment than others, including

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genotype 2a. This indicates how virus virulence and drug response is significantly influenced by the long-range kissing interactions, which likely cause changes in the base-pairing character of the very 3' terminal nucleotides.' should be revised. First of all, there was no reference in the sentences. According to clinical reports, genotype 1 was resistant to interferon-based therapy. However, in interferon-free therapy, genotype 3 is more resistant than genotype 1. In addition, what meant virulence? Authors should add the referred reports about virulence.

INITIAL REVIEW OF THE MANUSCRIPT

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 39588

Title: Form confers function: The case of the 3'X region of the hepatitis C virus genome

Reviewer's code: 03020633

Reviewer's country: China

Science editor: Xue-Jiao Wang

Date sent for review: 2018-05-21

Date reviewed: 2018-05-30

Review time: 9 Days

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

SPECIFIC COMMENTS TO AUTHORS

This topic is interesting. As it is stated in the paper that in-depth known structure mapping of the 3'X-region will give us a better understanding of the virus and lead to additional means to control it. Whereas, it is now the direct anti-virus drugs are effective for us in controling the virus and eventually clear it. I wonder whether it is

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indispensable to exploit new drugs based on this region of HCV.

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