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ESPS Peer-review Report
Name of Journal: World Journal of Virology
ESPS Manuscript NO: 2095
Title: Nuclear Domain 10 Of The Viral Aspect
Reviewer code: 00504477
Science editor: Song, Xiu-Xia
Date sent for review: 2013-01-27 21:18
Date reviewed: 2013-04-15 16:13

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[ ] Grade A (Excellent)	[ ] Grade A: Priority Publishing	Google Search:	[Y] Accept
[ ] Grade B (Very good)	[Y] Grade B: minor language polishing	[ ] Existed	[ ] High priority for publication
[Y] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	[ ]Rejection
[ ] Grade D (Fair)	[ ] Grade D: rejected	BPG Search:	[ ] Minor revision
[ ] Grade E (Poor)		[ ] Existed	[ ] Major revision
		[ ] No records	

COMMENTS TO AUTHORS

Rivera-Molina et al., "Nuclear Domain 10 of the Viral Aspect" The authors review different aspects related with the expression of ND10, its proteins and their role in virus infection and other mechanisms, just as oncogenesis. The manuscript is well structured, and only minor comments should be addressed: Minor concerns: - After the abstract, in the first page of the manuscript the word "PML" should not firstly appear abbreviated. Section "The molecular aspect of ND10": - Replace "SUMOyalted" by "SUMOylated" - Replace "Right after its identification, ND10 were hown to be..." by "Right after its identification, ND10 was shown to be..." - Replace "Some isoforms of PML are cytoplasmic, most of the isoforms are nuclear protein that are important for ND10 formation" by "Some isoforms of PML are cytoplasmic, but most of the isoforms are nuclear protein important for ND10 formation" - In the whole manuscript, when mentioning the findings by some authors please include the reference number just after the name of the authors (i.e. "However, Ishov et al. (47) found that PML …") Section "ND10 function": - Replace "… and the dysfunction of both PML and RARA (consequently resulting in APL. The oncogenic…" by "… and the dysfunction of both PML and RARA (consequently resulting in APL). The oncogenic…" - In the second paragraph of this section it would be easier to read if the three models of the function of PML bodies are presented as independent paragraphs, instead of within the same paragraph. Section "The interaction of ND10 and viruses": - This section is of high interest, however, it is too lengthy and some paragraphs or ideas should be summarized to highlight the main findings. - Subsection HSV (Herpes simplex): o Replace "thorough" by "through". o Replace "MOI" by "multiplicity of infection" - Replace "Sp100" by "SP100" - When mentioning again nuclear domain 10 it should appear abbreviated. - Subsection EBV and KSHV: o The reference number (53) do not correspond with the group of Wu et al. - When

first mentioning HDV or HIV they should be written in full (Hepatitis D Virus, and Human Immunodeficiency Virus, respectively). Section Future directions for investigations into the viral aspect of ND10 - Revise the third direction, when it is written "…and SC35 is also related to SC35."

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ESPS Peer-review Report
Name of Journal: World Journal of Virology
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CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[ ] Grade A (Excellent)	[Y] Grade A: Priority Publishing	Google Search:	[Y] Accept
[Y] Grade B (Very good)	[ ] Grade B: minor language polishing	[ ] Existed	[ ] High priority for publication
[ ] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	[ ]Rejection
[ ] Grade D (Fair)	[ ] Grade D: rejected	BPG Search:	[ ] Minor revision
[ ] Grade E (Poor)		[ ] Existed	[ ] Major revision
		[ ] No records	

COMMENTS TO AUTHORS

Major remarks This article is well documented on the structure-function relationship of proteins such as PML/TRIM19, death domain associated protein Daxx and speckled protein SP100. Although the function of ND10 proteins is still not fully understood, the authors describe the possible role of ND10 proteins in transcriptional regulation and post-transcriptional modification and degradation of proteins. The article revisits the knowledge of the molecular crosstalk between ND10 proteins and viral proteins from several families of DNA and RNA viruses, including herpesvirus, Kaposi's sarcoma-associated herpesvirus, cytomegalovirus, Epstein-Barr virus, adenovirus, papillomavirus, simian virus 40, lymphocytic choriomeningitis virus, and human immunodeficiency virus. As observed by the authors, the function of ND10 has frequently been controversial in the literature and further experiments are needed to reveal the true function of these proteins. Interestingly they suggest future directions for research. This article is particularly well written. Minor remark: Regarding interaction of ND10 proteins with retroviruses, the authors describe the model of HIV. It would be worth to mention the work that has been done using the HTLV model. This referee recommends reading the following articles: -Nuclear localization of HTLV-I bZIP factor (HBZ) is mediated by three distinct motifs, by Hivin et al. J. Cell Science 118 (7): 1355-1362, 2005 -The HBZ-SPI isoform of human T-cell leukemia virus type I represses JunB activity by sequestration into nuclear bodies. Hivin et al. Retrovirology, 4 (14) , 2007

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ESPS Peer-review Report
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CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[Y] Grade A (Excellent)	[Y] Grade A: Priority Publishing	Google Search:	[ ] Accept
[ ] Grade B (Very good)	[ ] Grade B: minor language polishing	[ ] Existed	[ ] High priority for publication
[ ] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	[ ]Rejection
[ ] Grade D (Fair)	[ ] Grade D: rejected	BPG Search:	[Y] Minor revision
[ ] Grade E (Poor)		[ ] Existed	[ ] Major revision
		[ ] No records	

COMMENTS TO AUTHORS

This is the manuscript reviewing on the nuclear domain 10 of the viral aspect. It is well written and is inspiring not only for virologists but also for biologists. I have no complaints about the contents of the manuscript. The manuscript is acceptable with minor revision. Minor revision 1: Author should integrate the usage of word “Sp100” or “SP100”. 2: In the section of molecular aspect of ND10, the last sentence (page 5, line 25) “ND10 were hown to be important……”, the underlined word is misspelled. 3: In the section of the RNA viruses, abbreviation of “HDV”(page 20, line 17) suddenly appeared, please correct it.

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ESPS Peer-review Report
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CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[ ] Grade A (Excellent)	[ ] Grade A: Priority Publishing	Google Search:	[Y] Accept
[ ] Grade B (Very good)	[Y] Grade B: minor language polishing	[ ] Existed	[ ] High priority for publication
[Y] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	
[ ] Grade D (Fair)		BPG Search:	[ ]Rejection
[ ] Grade E (Poor)	[ ] Grade D: rejected	[ ] Existed	[ ] Minor revision
		[ ] No records	[ ] Major revision

COMMENTS TO AUTHORS
This review reports the last insights into the controversial debate about the role of ND10 for viral replication. It is well organized and in my opinion should be accepted for publication

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ESPS Peer-review Report
Name of Journal: World Journal of Virology
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CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
[ ] Grade A (Excellent)	[ ] Grade A: Priority Publishing	Google Search:	[Y] Accept
[Y] Grade B (Very good)	[Y] Grade B: minor language polishing	[ ] Existed	[ ] High priority for publication
[ ] Grade C (Good)	[ ] Grade C: a great deal of language polishing	[ ] No records	[ ]Rejection
[ ] Grade D (Fair)	[ ] Grade D: rejected	BPG Search:	[ ] Minor revision
[ ] Grade E (Poor)		[ ] Existed	[ ] Major revision
		[ ] No records	

COMMENTS TO AUTHORS
The manuscript entitled "Nuclear Domain 10 of the Viral Aspect" contains important information nuclear domain (ND10) and its relation to viral infection. There is little information available concerning the relation between (ND10) and viral infection. This manuscript summarizes very well the relationship of ND10 and Viral infection. Therefore I recommend its publication. However, the following minor changes have to be done on this manuscript: - Format references as stated in the author's guidance of this journal: In page 3 for example some references are in parenthesis others are in brackets. - The first time you use an acronym in the manuscript text, the words should be written out with the short form placed in parentheses immediately after. - General English revising is needed.