



SDI Review Form 1.6

Journal Name:	<u>Journal of Cancer and Tumor International</u>
Manuscript Number:	Ms_JCTI_30472
Title of the Manuscript:	Complex of small non-coding RNAs piR-30074 and antago-miR-155 and miR-125b with DDMC carrier transforms Girardi heart cells into CD4+ cells.
Type of the Article	Short Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	1. The introduction requires further information to support the involvement of miRs in cell transformation and how they participate to induce expression of CD4 and CD117. 2. FIG. 2 is not clear. Authors should decrease the number of cells and zoom it to see more clearly how they are changing and indicate it with arrows. Also indicate the micrometers to which the cut corresponds. 3. Graph 1 requires to show the significant differences and whether the changes correspond to miR125 or miR155, and so on.	1. The text has been inserted: "A combination of nuclear and extra-nuclear regulating sncRNAs can be used to fully reprogram any type of cells. I previously used different sncRNAs to reprogram cancer cells. Treatment of Kasumi-1 leukemic cells with antago-miR-155 transformed acute myeloid leukemic cells into platelet-like cells [Klimenko OV, Shtilman MI. Transfection of Kasumi-1 cells with a new type of polymer carriers loaded with miR-155 and antago-miR-155. Cancer Gene Ther. 2013]. MiR-155 and miR-125b are immune-miRs and regulate lymphopoiesis from hematopoietic stem cell [Monticelli S. MicroRNAs in T helper cell differentiation and plasticity. Semin Immunol. 2013; Montagner S, Deho L, Monticelli S. MicroRNAs in hematopoietic development. BMC Immunol. 2014]. In this study, were used two sncRNAs and one mimic of miR-155 for reprogramming of Girardi heart (GH) cervical adenocarcinoma cells into OCT4+ cells as intermediate form and CD4+, CD117+ cells as the final form. 2. Figure was revised, and magnification



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		and app. cell diameter were added. 3. Graph 1. was revised. Genes expressions were displayed at the The Heat Map (AltAnalyze Soft.)
<u>Minor</u> REVISION comments	Remove the I and put it was realized instead... There is no objective of the work, the authors must include it	Most the "I" was replaced by a third person singular or plural. The phrase has been inserted: "In this study, was investigated influence of long-lasting treatment of Girardi Heart cells with complex of small non-coding RNAs (sncRNAs). As the result, the genotypic and phenotypic characteristics of Girardi heart cells were changed."
<u>Optional/General</u> comments		