

Cover letter

**INSERM Unit 1060 / Lyon 1 University / CarMeN**

«**Cardio-Metabolism, Diabetes and Nutrition** » Research Laboratory

**Hubert VIDAL, Director**

Lyon, April 27th, 2020

**To Editor in chief inWorld Journal of Stem Cells**

Dear Editor,

We would like to submit to “World Journal of Stem Cells our manuscript entitled

**Involvement of Glycated Albumin in adipose-derived-stem cell-mediated Th17 cell activation**

Our manuscript has been previously submitted to **World Journal of Stem Cells** as **Manuscript N° 55077**. A revision was proposed”.

We have thus decided to take the chance that you have offered to us, and are now submitting a revised form of the manuscript, in which we have addressed each one of the reviewer’s comments. This led to several modifications within the manuscript main text. Finally, we have added core tip, and highlights sections, as demanded. We have also added the legend corresponding to the figure at the bottom of each figure, and have modified references as demanded. In addition, we have added the PUBMed and DOI citation numbers to the reference list. Finally, we have used the Book Antiqua Police, as requested

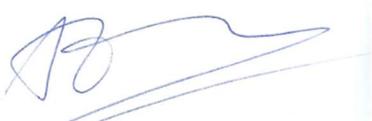
We are very grateful to the editor and reviewers for their suggestions, because we think that the level of our paper has been improved, in the present form.

We include in this submission a file containing a response to reviewer comments, and the main text with the main changes highlighted in yellow.

Hoping that this new revised version of the manuscript will gain your approval.

Yours sincerely,

Dr Assia Eljaafari, M.D, PhD



## Response to the reviewer comments

Ms. N°: 55077

### **Involvement of Glycated Albumin in adipose-derived-stem cell-mediated Th17 cell activation, by J. Pestel et al**

We thank Reviewer 1 and 2 for their overall positive assessments of our previously submitted manuscript. We have now addressed the reviewer's comments as follows

#### **Reviewer 1**

##### Minor remarks

*« According to its legend, Figure 2 should report a symbol with \*\*\*: this symbol is missing in Fig 2. Alternatively, if the p less than 0.0008 (Top left Panel in Fig 2) is the one which should be marked with \*\*\*, then the \*\* symbol is missing.*

In the new version, we have only indicated results of Bonferroni post-hoc tests in the comment relative to figure 2 (page 6). The increase of IL-17A secretion in G-HSA co-cultured cells as compared with HSA treated cells, was significant with a p value of 0,0196. Thus, in figure 2 we have indicated this statistical result with one \* and have also added the exact p value of the multivariate analysis in the top left panel of the figure, which was p=0, 0008. In addition, the figure legend indicates that \* corresponds to Bonferroni post-hoc test

*-« Discussion Line 3, “Even though AT are known to be low in T1D patients, they have also been involved....” A part of the subject is missing: it may be: “Even though AT inflammatory cytokines/chemokines are known to be low...”. Please verify and correct. »*

We have modified the sentence to make it clearer, as follows , page 8:

IL-17A/F are pro-inflammatory cytokines known to play an important role in AT-low grade inflammation in obese individuals, possibly leading to T2D [25,32–36]. **Interestingly, IL-17A/F cytokines** have also been involved in the pathogenicity of T1D<sup>[37]</sup>, notably through their peri-pancreatic fat location<sup>[38,39]</sup>

#### Reviewer 2

*-« throughout the manuscript, please, define the abbreviations at the first place they appear »*

We have defined the abbreviations, as requested

- « *please, correct typographical errors* »

We have corrected typographical errors with the help of a native english speaker

- « *please, revise the list of references using the uniform style of citation* »

The reference list has been corrected as requested