

June 19th, 2015

Dear Editor,

please find enclosed the revised manuscript in Word format (file name: 18439-Revised manuscript.doc)

Name of Journal: *World Journal of Biological Chemistry*

Manuscript NO.: 18439

Column: Review

Title: Role of ZAC1 in transient neonatal diabetes mellitus and glucose metabolism

Authors: Anke Hoffmann and Dietmar Spengler,

Correspondence to: Dietmar Spengler, MD, Translational Research, Max Planck Institute of Psychiatry, Kraepelinstrasse 2-10, Munich 80804, Germany; spengler@psych.mpg.de

The manuscript has been revised according to the suggestions of the Reviewers and all changes are marked in blue font; moreover, language and grammar have been carefully amended throughout the whole manuscript.

Reviewer **01404215**

The manuscript would be improved by the **addition of a list of abbreviations**. TNDM1 Tcf4, Rasgrf1, IUGR, ABCC8, KCNJ11, HNF1B, HYMAI, ZFP57, KRAB IGN, DMR, and others might be unknown to non-specialized readers. It would be easy to include a short explanation of these abbreviations in an appropriate list.

Answer:

We are thankful for this suggestion and include a list of the most commonly used abbreviations. We feel, however, reluctant to provide additional explanations that will compete with those provided in the main text.

Reviewer **00467115**

The review by Hoffmann and Spengler gives a comprehensive overview on ZAC1-regulated genes in neonatal diabetes mellitus. Overall this review is well-written and worthwhile publishing. A few items, outlined below, should be attended to before the manuscript is ready. The readability of the manuscript would be improved by the inclusion of a list of abbreviations used. p.5, line from bottom: “shows” is the wrong word here, perhaps better: “presents with” p. 6, line 8: I do not think, the term “epigenetic mutations” should be used (unless well explained). p. 10, last sentence: It is not clear, whether “the same study” refers to reference 43 or 44. p. 16, line 6 from bottom: β are not “subunits of GPCR” Figure 1 A: It should be clearly indicated in the figure, which gene is human and which one is mouse. Figure 1C: DBS should be defined in the legend. There is no reference to Figure 2 in the text. The references still need some work; e.g.: Reference 4: DOI should be added. Reference 5 should be completed.

Answer:

We appreciate the constructive suggestions and careful reading of the Reviewer. In response, a list of abbreviations is included into the revised manuscript.

The whole manuscript has been carefully revised for grammar and style and all concerns of the Reviewer have been addressed. Moreover, we explained the term “DBS” (DNA-binding site) in the legend to Figure 1 and worked over Figure 3 to clarify that this scheme refers to mice.

References 4 and 5 are monographs (no journal publication) and have been completed to match the format of *WJBC*. Additionally, we carefully checked all other references.

Thank you again for consideration of our manuscript for publication in the *World Journal of Biological Chemistry*. We are looking forward to your response.

Sincerely yours,



Dietmar Spengler, MD

Max Planck Institute of Psychiatry
Translational Psychiatry
Kraepelinstrasse. 2-10
80804 Munich, Germany
E-mail: spengler@psych.mpg.de

