Author's response to reviews

Title: Effect of methylene blue on the genomic response to reperfusion injury induced by cardiac arrest and cardiopulmonary resuscitation in porcine brain

Authors:

Cecile Martijn (cecile.martijn@surgsci.uu.se)
Lars Wiklund (lars.wiklund@akademiska.se)

Version: 2 Date: 14 June 2010

Author's response to reviews: see over
June 12, 2010

Editor-in-Chief, BMC Medical Genomics
Biomed Central Ltd
Floor 6
236 Gray's Inn Road
London WC1X 8HL

Dear Editor,

Re: Resubmission of manuscript entitled “Effect of methylene blue on the genomic response to reperfusion injury induced by cardiac arrest and cardiopulmonary resuscitation in porcine brain”.

We thank the reviewers for their helpful suggestions and are now submitting a revised work for your consideration. This revised version has taken into account all comments made, both by the reviewing editor and the external reviewers. All the changed text in the revised version has been highlighted in red. As suggested, we have paid close attention to “Guidelines for Authors” and have ensured that the journal template and style have been followed.

Here you can find the list of changes we made:

- The missing paragraph concerning competing interests has been added to the manuscript (p.16)
- A “methods” section has been added to the abstract
- The methods section in the body of the manuscript has been moved to follow the form for a medical manuscript: Background-Methods-Results-Discussion
- Our data have been deposited in Gene Expression Omnibus (GSE22165) and the accession number specified in the “microarray analysis” chapter in “methods” (p.6)
- Figure 10 and legend to figure 10 have been modified to comply to reviewer’s suggestion (see below)

We have addressed the reviewers comments “point by point”:

- *Did the animals receive epinephrine during CPR which might preclude direct comparison between the CA group and the treatment group?*

No, the animals did not receive any epinephrine during CPR.

- *The total number of animals per group is low (n=3) and might result in large differences between individuals given a certain genetic variability. Such differences are not quantified and should be expressed in the Figures, e.g. Figure 10. Here, also error bars should be used rather than a line diagram.*

We have modified figure 10 to include error bars showing standard error of the mean (SEM) to our diagrams.
We thank you again for the useful critique of our manuscript. We hope that now the manuscript and the figures meet all the BMC medical genomics criteria for publication. If you require any clarification on this submission please do not hesitate to get in contact.

Sincerely yours,

Cécile Martijn, Ph.D.