

## ANSWERING REVIEWERS

April 8, 2015

Dear Editor,



Please find enclosed the edited manuscript in Word format (file name: 17262-review.doc).

**Title:** MiR-9a-5p regulates the proliferation and migration of HSCs through the inhibition of Sirt1 under pressure

**Author:** Feng Qi, Jiangfeng Hu, Baohai Liu, Chaoqun Wu, Hongyu Yu, Dingkan Yao, Liang Zhu

**Name of Journal:** World Journal of Gastroenterology

**ESPS Manuscript NO:** 17262

The manuscript has been improved according to the suggestions of reviewers:

1 Format has been updated

2 Revision has been made according to the suggestions of the reviewer

(1) Ten male Rats (180-200 g) received an intraperitoneal injection of CCL4 and ten control animals were injected with an equal volume of olive oil at the same time intervals.

(2) The amendments are that this device is connected to the nitrogen and to the hematomanometer; the hematomanometer is opened, and the nitrogen is slowly injected.

(3) These antibodies containing phospho-Akt, Erk, phospho-Erk1/2 have been removed.

(4) The "cell migration assay" section has been rewritten.

(5) A quantification in the form of a column graph has represented the change in cell cycle and Labelling is consistent with pressure.

(6) The primers of miRNAs were designed from Guangzhou RiboBio Co., Ltd.

(7) miRNA target prediction and GO analysis have been demonstrated in the manuscript.

(8) Sirt1 3'-UTR constructs were PCR amplified (Primer sequence, forward: 5'-CATGAGCTCCACTATTGAAGCTGTCCGGATTC-3'; reverse: 5'-GAGCTGAAAACAGTCTTCACTG-3') and cloned into pRL-CMV-Basic vector for Luciferase reporter gene assay. The construction of the Sirt1 3'-UTR mutant was done by using the Quickchange site directed mutagenesis kit (Qiagen, USA) (Primer sequence, forward: 5'-GAACAGCTTATCTAGACCGCGGAATGGTATTTACACTTT-3'; reverse: 5'-AAAGTGTGAAATACCATTCCGCGGTCTAGATAAGCTGTTC-3').

3 References and typesetting were corrected

Thank you again for publishing our manuscript in the World Journal of Gastroenterology.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'Feng Qi'.

Feng Qi, Master

Department of Gastroenterology

Changzheng Hospital

A handwritten signature in black ink, appearing to read 'Liang Zhu'.

Liang Zhu, Professor

Department of Gastroenterology

Changzheng Hospital

The Second Military Medical University  
No.415 Fengyang Road, Shanghai, China  
Fax:  
E-mail: wangluma@163.com

The Second Military Medical University  
No.415 Fengyang Road, Shanghai, China  
Fax:  
E-mail: zhuliangcz@126.com