Reviewer’s report

Title: HIV-1 Tat Protein Alter the Tight Junction Integrity and Function of Retinal Pigment Epithelium: an in vitro Study

Version: 2 Date: 8 May 2008

Reviewer: Georgette D Kanmogne

Reviewer’s report:

The revised manuscript is satisfactory. However, the manuscript still have grammatical / English errors.

Abstract
Line 1 “How HIV-1 entry into the eyes remain obscure” should be “How HIV-1 enter into the eyes remain obscure”
Line 3 “..by which contributes to HIV trafficking into the eyes.” Should be “..and contributes to HIV trafficking into the eyes”
Line 8 “After treated with HIV-1 Tat protein,” should be “After treating with HIV-1 Tat protein,”

Background
Page 5.
Line 2: “RPE is also one of the cells targeted by HIV target, “ should be “RPE is also one of the cells targeted by HIV,”

Methods
Reagents: “phosphor-ERK” should be “phospho-ERK”

Results
Page 13.
Line 8 “occluding” should be “occludin”
Line 17: “HIV-1 Tat Induces Promotes ERK Phosphorylation and NF-#B DNA binding activity in RPE” should be “HIV-1 Tat Induces ERK Phosphorylation and Promotes NF-#B DNA binding activity in RPE”

Page 14, line 4: “NF-#B transcriptional activity associated with…” NF-#B transcriptional activity was associated with…”

Discussion.
Page 15, last line: “by which contributes to HIV trafficking into the eyes.” Should be “ and contributes to HIV trafficking into the eyes.”
Page 17
Line 5. “The relationship TJs and the oBRB during HIV infection still need to be elucidated.” Should be: “The relationship between TJs and the oBRB during HIV infection still need to be elucidated.”

Line 14. “We future determined….” Should be: “We further determined…”

Page 18, line 15: “NF-κB is not thought to be transcription factor activated by ERK MAPK” should be “NF-κB is not thought to be a transcription factor activated by ERK MAPK”.