Reviewer's report

Title: ATP stimulates chemokine production via a store-operated calcium entry pathway in C6 glioma cells

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Reviewer: Behnam Badie

Reviewer's report:

This is an interesting article that evaluates the role of ATP/P2Y pathway on chemokine production by glioma cells. The manuscript is well written and easy to follow.

My major criticisms include:

The study is limited to only a single glioma cell line and not confirmed in other astrocytoma cell lines which are readily available

The role of microglia/macrophage on glioma growth is still very controversial as both pro and anti-neoplastic functions have been reported. I suggest that the authors provide reference other publications in order to provide a more balanced view of the topic.

Gene expression and ELISA are limited to only two cytokines. Analysis of other cytokines/chemokines and their receptors would have been helpful.

SemiQ RT-PCR with time-course experiments would have provided a better picture of P2Y and chemokine alterations in response to ATP and inhibitors.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.