Reviewer’s report

Title: Resolution of the three dimensional structure of components of the glomerular filtration barrier

Version: 2 Date: 12 December 2013

Reviewer: Wen Wang

Reviewer’s report:

This is a well planned and executed piece of work, in which the authors employed a number of imaging tools to gain insights of the GFB multilayer structure.

The fine structure of the glycocalyx layer is of particular interest to readers.

Results are well presented and the manuscript is very well written.

The authors may wish to consider, as a future step, to use the fine structures they have established in a model to demonstrate individual and combine function of various layers, in particular the glycocalyx.

Level of interest: An exceptional article

Quality of written English: Acceptable

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

Declaration of competing interests:

I declare that I have no competing interests.