Reviewer’s report

Title: Interstitial fluid pressure, vascularity and metastasis in ectopic, orthotopic and spontaneous tumours.

Version: 2 Date: 11 July 2007

Reviewer: Olivier FERON

Reviewer’s report:

SJ Lunt and colleagues used different tumor models to study the determinants of IFP and to identify possible correlations between the IFP level and the tumor type, the implantation site or the capacity to form metastases.

The data presented concur to prove the existence of a major stochastic component in the tumor IFP development. The study is well designed and performed; the data support most of the authors’ conclusions.

Minor Essential Revisions:

The description and the interpretation of the Figure 6 in the Results/Discussion sections are confusing. The number of mice (n=3?) looks too low to claim any biologically relevant difference in % perfused area and should incite the authors to be cautious in interpreting these results. I would suggest to suppress this figure.

What next?: Accept after minor essential revisions

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.

Declaration of competing interests:

I declare that I have no competing interests.