

Review of: "Structure of the Blood Brain Barrier and the Role of Transporters in the movement of substrates across the barriers"

James Bruckner¹

¹ University of Georgia

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The authors have assembled a comprehensive review paper on the structure and function of the blood brain barrier (BBB). The coverage is quite broad and includes extensive listings of scientific articles that can be utilized by readers interested in different aspects of the field. Table 1 in particular, should be a useful source of detailed information and published articles on specific topics. It is not clear, however, why there are separate sections entitle "Additional References" and "References" in the current manuscript.

The authors are strongly encouraged to consider revising the current manuscript before publishing it. Some sections (e.g., paragraph 2 on page 5/32, pages 13/32 and 13/33) are well written. Attention should be paid to sentence structure, verb tense, and run-on sentences in many other places. This grammatical structure makes it quite difficult to understand. A sentence on page 11/32 can be used to illustrate this: "The transmembrane protein like JAMs highly localized on the tight junctions of BBB is a member of the immunoglobulin subfamily and expressed by platelets, leukocytes as well as endothelial cells and regulates polarity of the cell, migration of leukocytes, and permeability of the endothelium." It is frustrating to repeatedly try to follow and interpret such sentences. It would be worthwhile for the authors to recruit a colleague with a scientific background to help rewrite much of the manuscript. Readers would then find this review much more useful as an information source on the BBB.