Reviewer's report

Title: Pathogenesis of peroxisomal deficiency disorders (Zellweger syndrome) may be mediated by misregulation of the GABAergic system via the diazepam binding inhibitor

Version: 2 Date: 4 March 2004

Reviewer: myriam Baes

Reviewer's report:

General
The author took most of the criticisms into account and changed the manuscript accordingly. As previously mentioned, the microarray approach as it was taken here is not very convincing but in view of the hypothetical nature of this paper, it is acceptable.

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)
On page 4, first paragraph 'reduced levels of the plasmalogen platelet activating factor'. PAF is an etherphospholipid but not a plasmalogen.

It is impossible to judge the similarity of the expression profiles of DBI and the genes involved in lipid metabolism when the Pearson correlation coefficients are not given (table 1)

Discretionary Revisions (which the author can choose to ignore)

What next?: Accept after minor essential revisions

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No

Declaration of competing interests:

None