Reviewer's report

Title: Mindboggle: Automated brain labeling with multiple atlases

Version: 3 Date: 7 July 2005

Reviewer: Elizabeth Fisher

Reviewer's report:

General

As in my previous review, I believe that the paper should be more focused on the work related to the use of multiple atlases as opposed to just one. The comparison of Mind Boggle to linear labeling should be a separate paper.

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

1. The introduction and aims of the paper are very clearly explained and well-written, but the rest of the manuscript tends to digress too much into other issues. The manuscript would be much improved by including only the parts on the use of multiple atlases in MindBoggle. I believe that a general article on the method (and how it compares to others?) has already been published. The methods, results and discussion of the manuscript should remain coherent with its stated purpose.

2. The description of the MindBoggle method is still quite confusing. This needs to be clarified. Perhaps a figure to illustrate it would be helpful.

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

Discretionary Revisions (which the author can choose to ignore)

What next?: Unable to decide on acceptance or rejection until the authors have responded to the major compulsory revisions

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No

Declaration of competing interests:

I declare that I have no competing interests.