Errata corrige

In the paper, we refer erroneously to "the BioVoxxel plugin in FIJI [11]" or “the BioVoxxel algorithm” where we should have indicated instead "an automated FIJI thresholding routines in combination with the *threshold check* plugin from the Biovoxxel toolbox [11]". Specifically, this mis-naming occurs at the following instances:

- p.8 "To benchmark our result, we compared our method against the BioVoxxel plugin in FIJI [11] – an automated method for astrocyte segmentation that uses intensity thresholding and against a standard U-net.” (...) “Since the BioVoxxel algorithm applies a global threshold on the image, its poor performance is not surprising as compared to our method that processes the astrocytes locally.”
- p.10 "We compared our method with the Biovoxxel algorithm that was proposed specifically for astrocyte segmen-tation11 and a standard U-net. As we observed above, the direct application of the BioVoxxel algorithm..."
- Fig.7 (caption) "...(c) Segmentation of the same image generated by the BioVoxxel plugin in FIJI [11]..."
- Fig.8 (caption) "... (b,f,j,n) corresponding segmentation generated by the BioVoxxel algorithm in FIJI (applied locally, on the patch)..."

We provide an additional clarification here. The BioVoxxel toolbox is not a segmentation algorithm but a collection of tools which helps to assess segmentation methods.

One of the methods we used in the paper to benchmark our astrocyte segmentation algorithm is intensity thresholding. For that, we adapted an automated strategy devised by Healy et al. [11] that applies a tool called *threshold check* from the BioVoxxel toolbox designed to select the best performing intensity thresholding routine from different automated thresholding routines available FIJI. Hence, a correct description of the method we employ would be an *automated intensity thresholding routine from FIJI optimized through the threshold check plugin of the Biovoxxel toolbox.* We remark that such segmentation algorithm that uses Fiji intensity auto thresholding routines in combination with the threshold check plugin from the Biovoxxel toolbox was applied and demonstrated by Healy et al. in [11] to deal with images of microglia, astrocytes and oligodendrocytes.

We thank Jan Brocher, the creator of the BioVoxxel Toolbox for Fiji, for helping us to spot this inaccuracy in the paper.