

## Online Resource 4

### Microglial cell loss after ischemic stroke favors brain neutrophil accumulation

#### ACTA NEUROPATHOLOGICA

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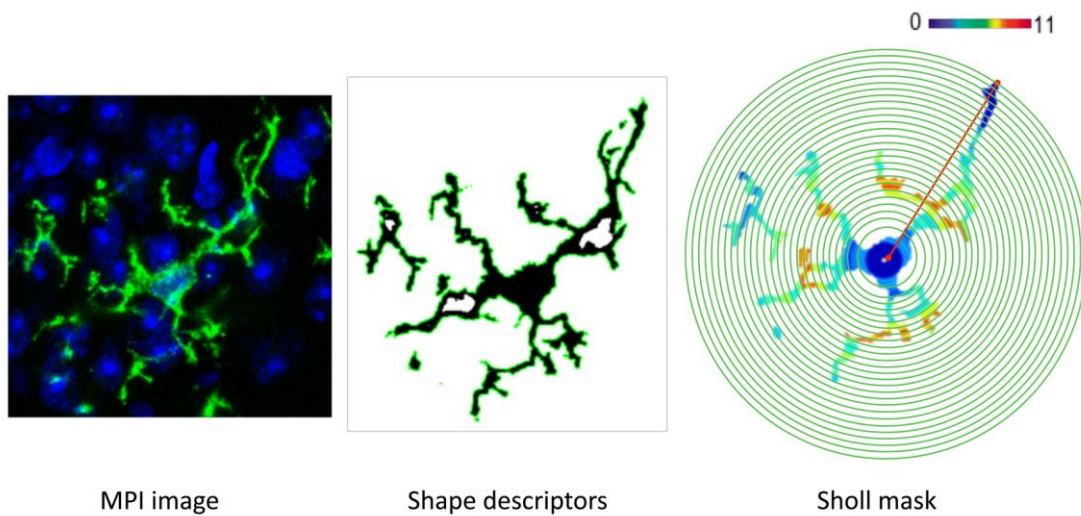
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**Online Resource 4. Morphological analysis of microglia.** We used shape descriptors and Sholl analysis as described in Methods. After the segmentation, the ramification index is measured by Sholl analysis. The intersection mask (see image on the right hand side) is generated by indicating microglial arborization (ramification index) with a color scale according to its Sholl profile. This Sholl mask is a representation of the analyzed cell where intersection counts are used as pixel intensities. The red color in the example shown here for one microglial cell corresponds to 11 intersections.