

*Classification of Global Microglia Proliferation Based on Deep Learning  
with Local Images*

by  
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*Microglial cell proliferation in neural tissue occurs during infections, neurological disease, neurotoxicity, and other conditions. In basic science and clinical studies, quantification of microglial proliferation requires extensive manual counting (cell clicking) by trained experts (2 hours per case). Previous efforts to automate this process have focused on stereology-based*