



**Supplementary Fig. 1.** Schematic representation of the MCA segments. The M1 segment extends from the internal carotid artery to the bifurcation. The proximal M2 segment begins at the bifurcation and continues up to the mid-height of the insular cortex, with the distal M2 segments following beyond this point. M3 branches extend horizontally toward and along the Sylvian fissure. MCA, middle cerebral artery.