Sulcal Neuroanatomy and Relative Relationships using Spatial Gradients
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To cite this version:

HAL Id: hal-02957840
https://hal.archives-ouvertes.fr/hal-02957840
Submitted on 5 Oct 2020

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Objective: To characterise sulcal traits and relationships by means of spatial gradients. Our use of spatial gradients allows for the investigation of sulcal associations on structural MRI images. We localise, identify and relate sulci to examine inter-sulcal relationships, providing additional insight into cortical mapping.

Current atlases may struggle to account for inter-individual variability of sulcal characteristics.

We have shown how primary and secondary sulci relate to each other and have quantified our findings as being consistent in a large population, thus providing additional insight into cortical mapping.

References