

Quantitative whole-brain multi-modal fibre and cell mapping in primates



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Cytoarchitectonic map Nissl

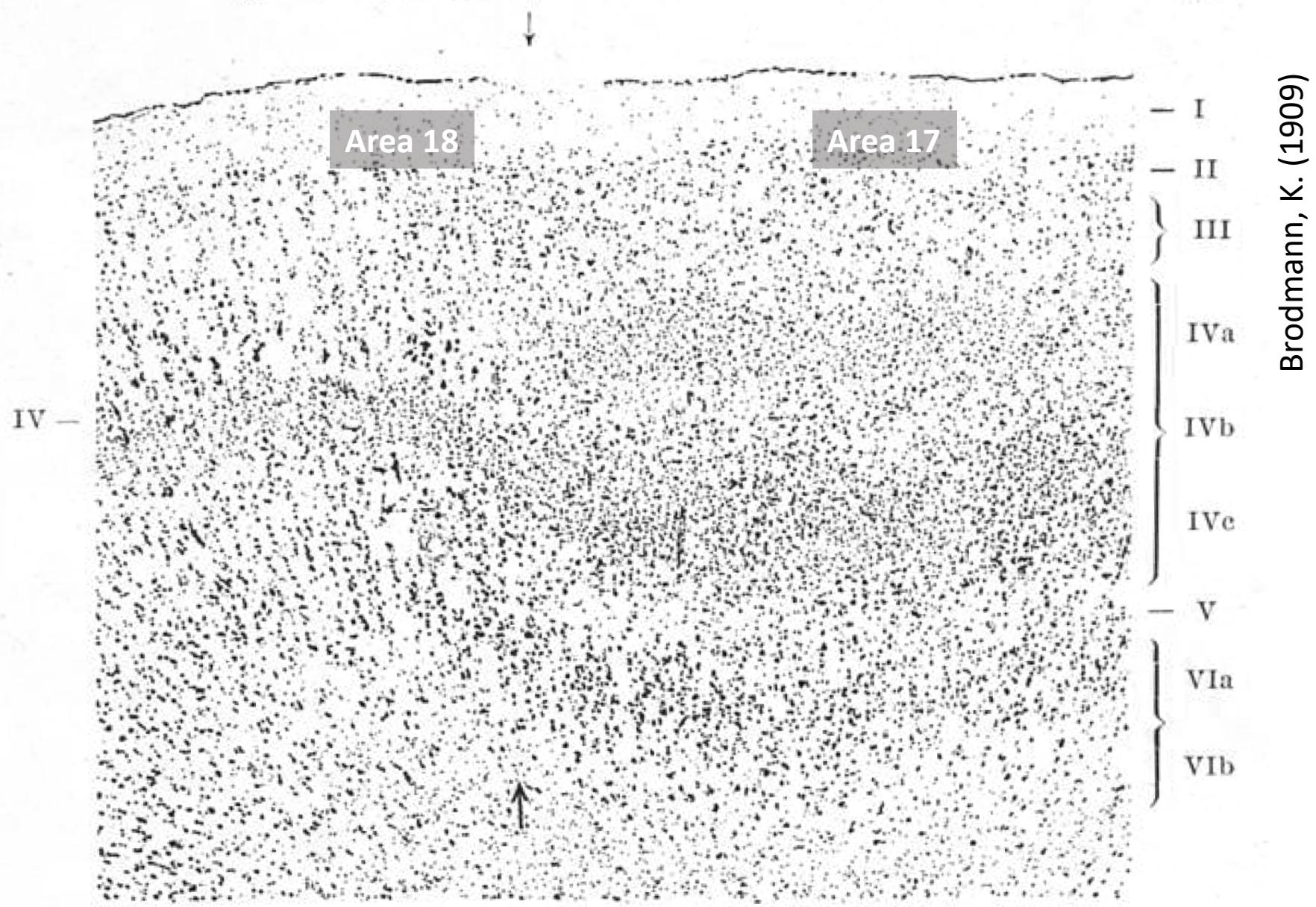
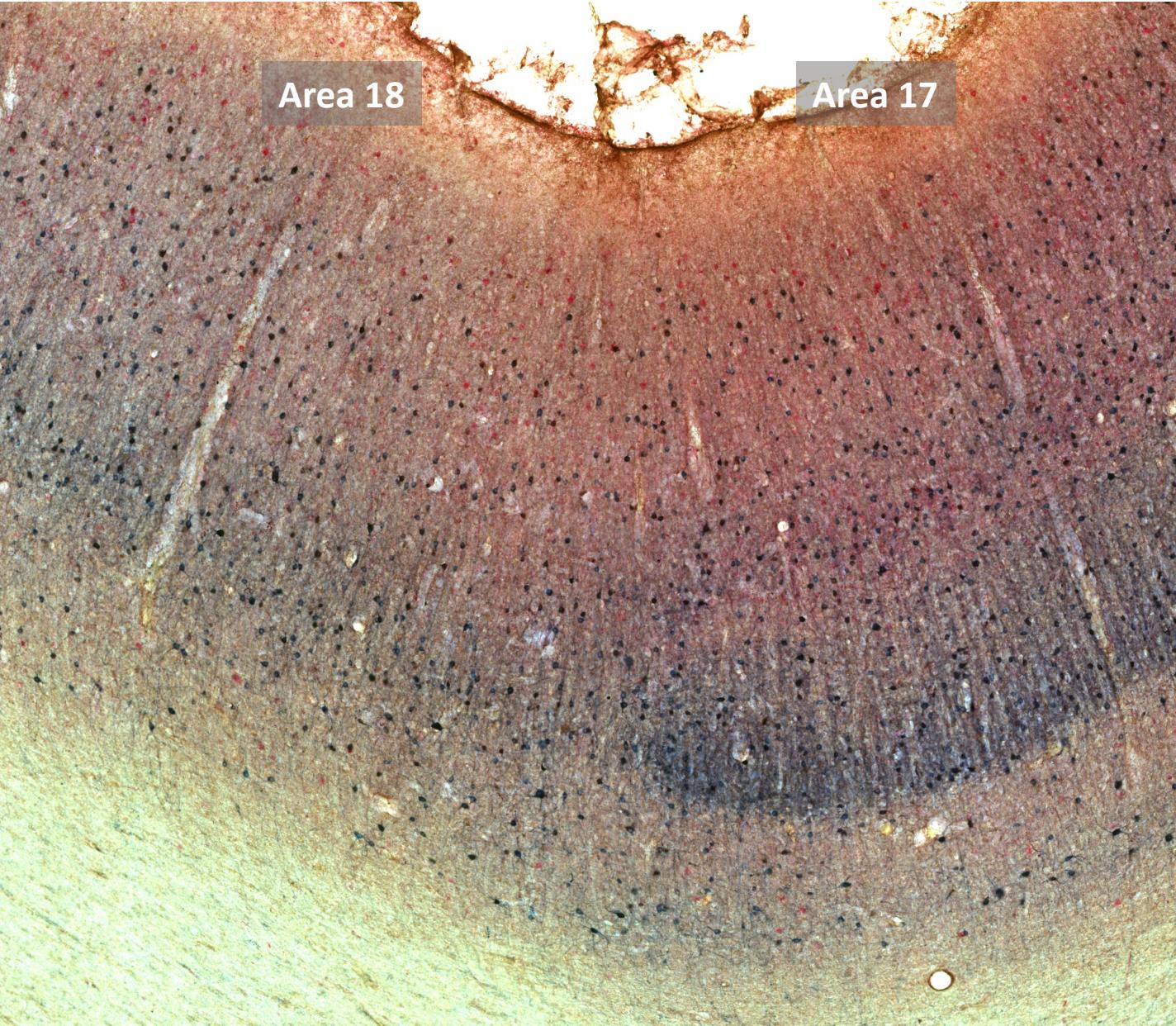


Fig. 12. Erwachsener Mensch. 25 : 1, 10 μ .

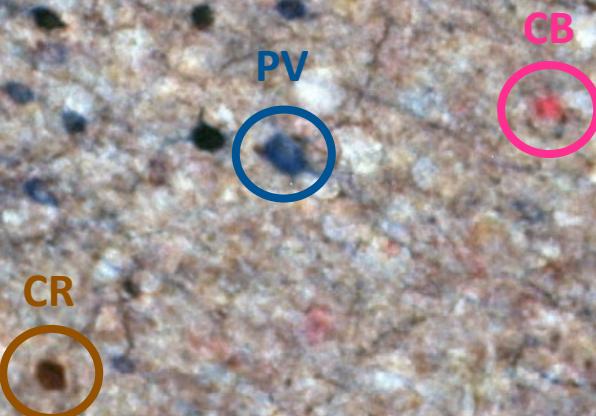
Übergangsstelle des Calcarinatypus (↓) wie in Fig. 11. Die Schichten sind die gleichen: rechts die achtschichtige Rinde der Area striata (Feld 17 unserer Hirnkarten), links der sechsschichtige Occipitaltypus der Area occipitalis (Feld 18).

Brodmann, K. (1909)

Cell-type specific map
Immunohistochemistry



Kooijmans et. al, in preparation



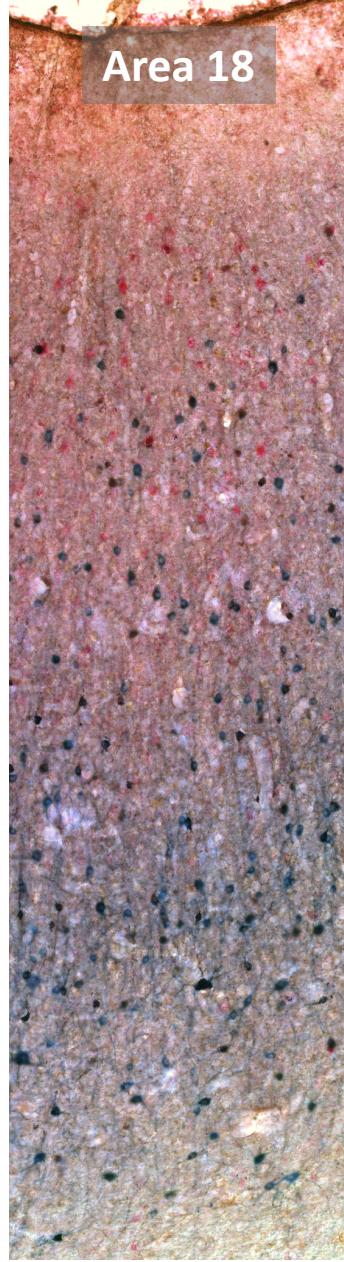
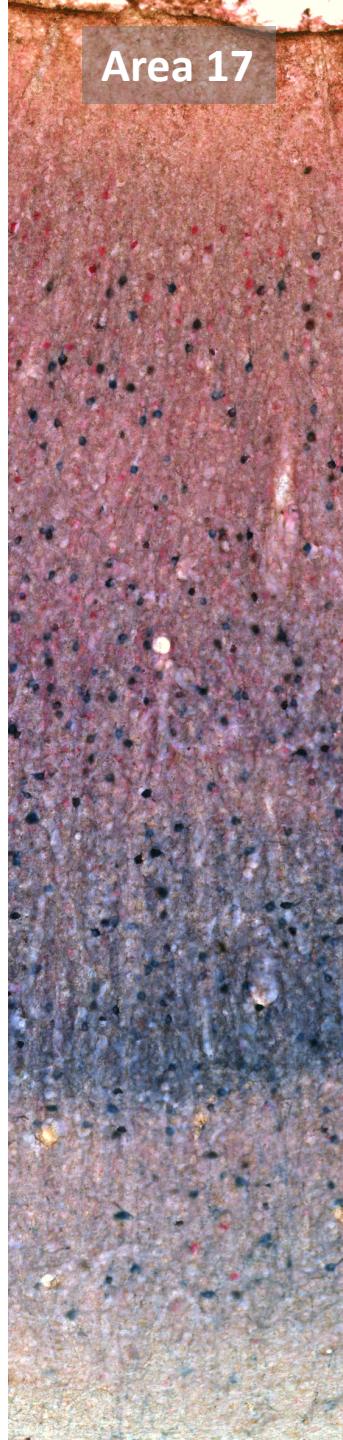
Calcium binding proteins Parvalbumin (**PV**), Calbindin (**CB**) and Calretinin (**CR**) label ~98% of primate inhibitory cortical interneurons, and are largely non-overlapping.



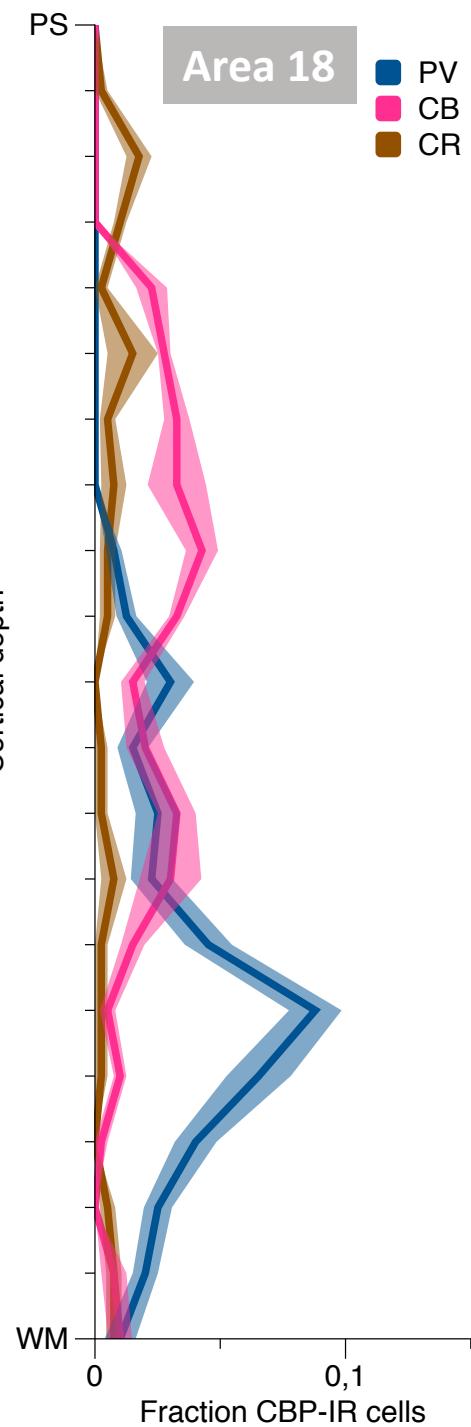
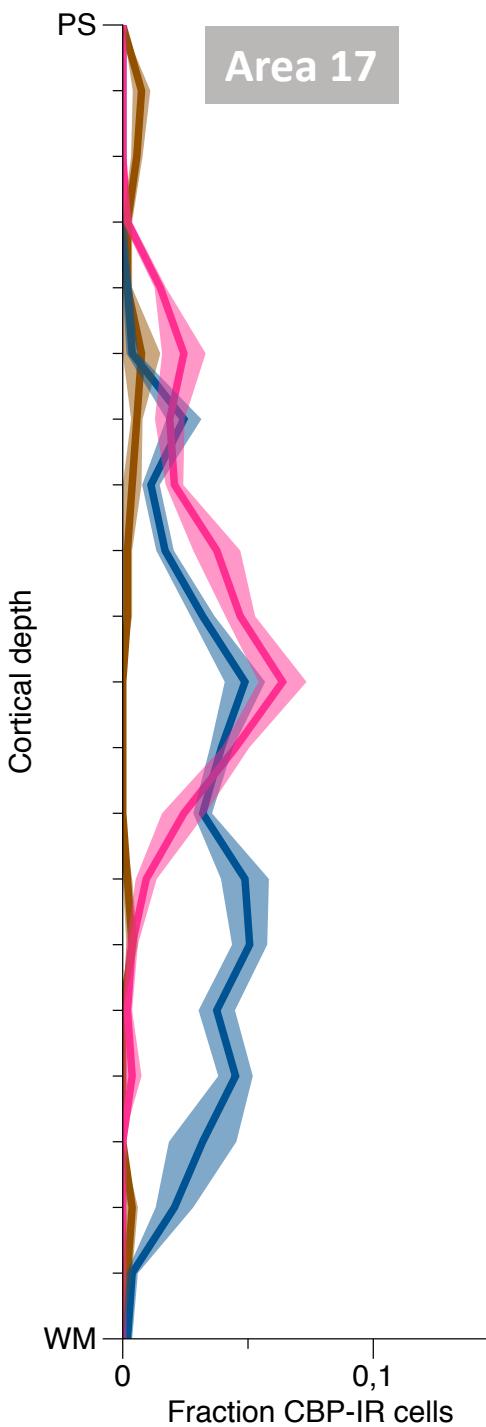
Area 17

Area 18

Sample regions

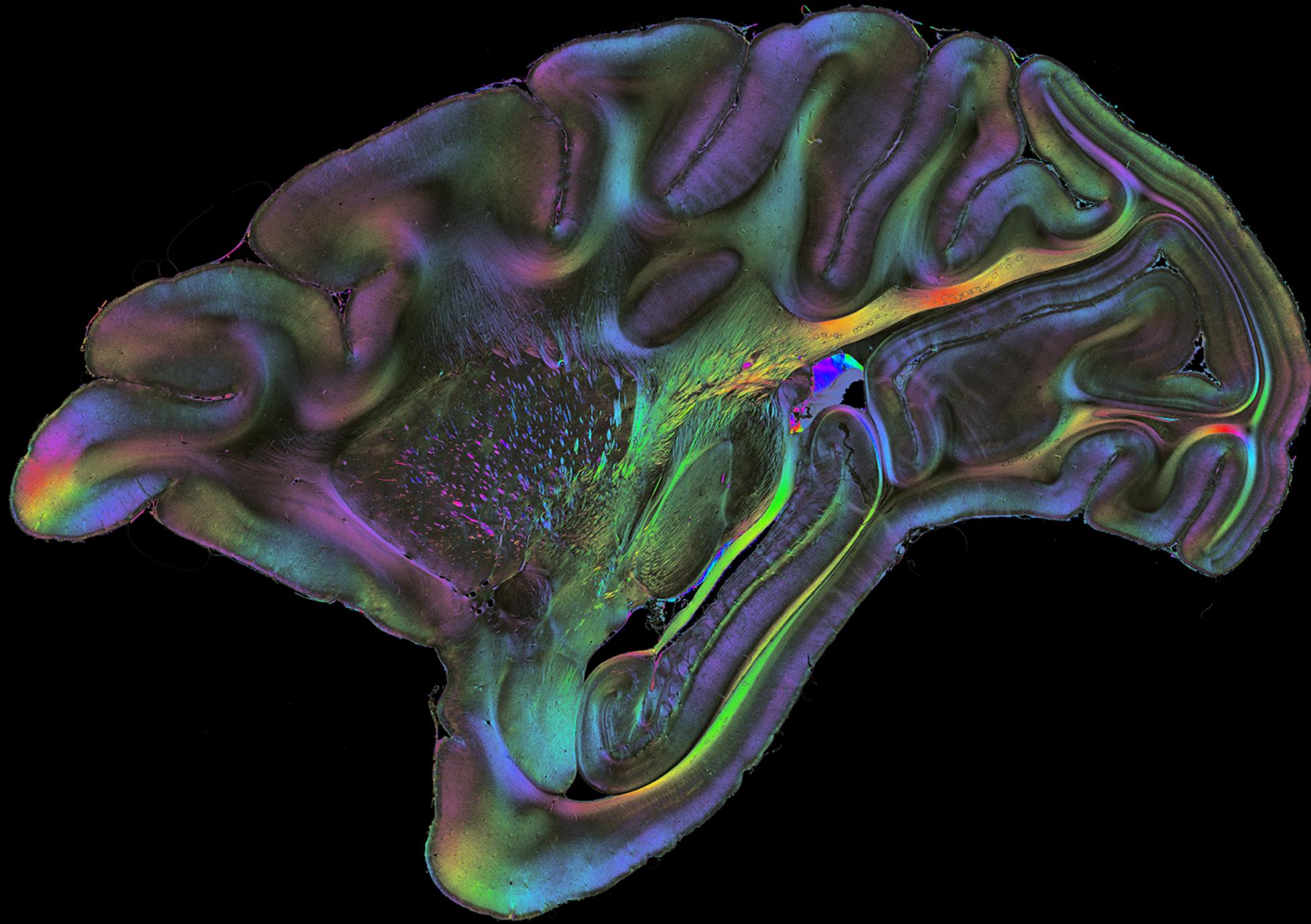


Cell-type specific, cortical depth profiles of cell densities

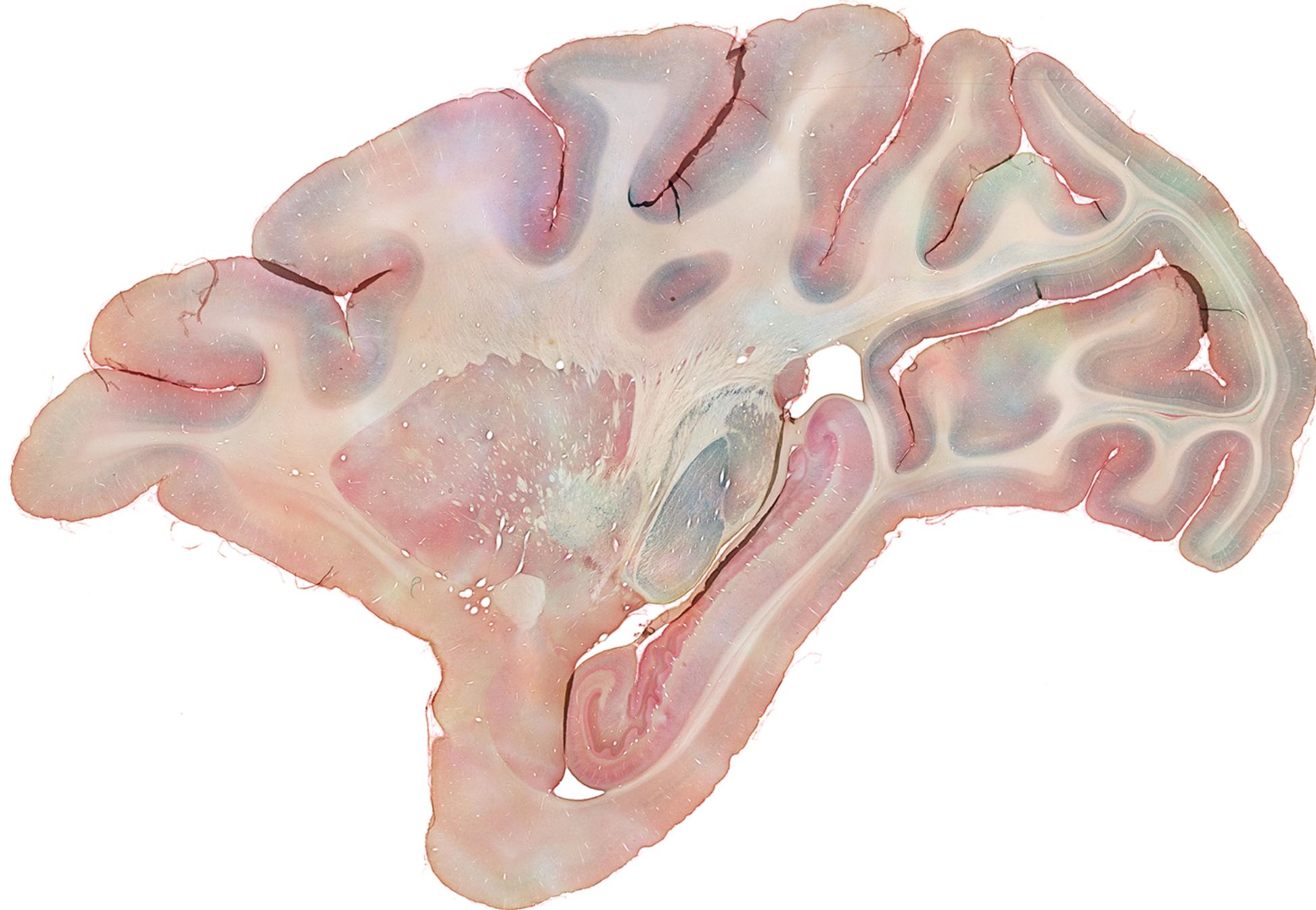


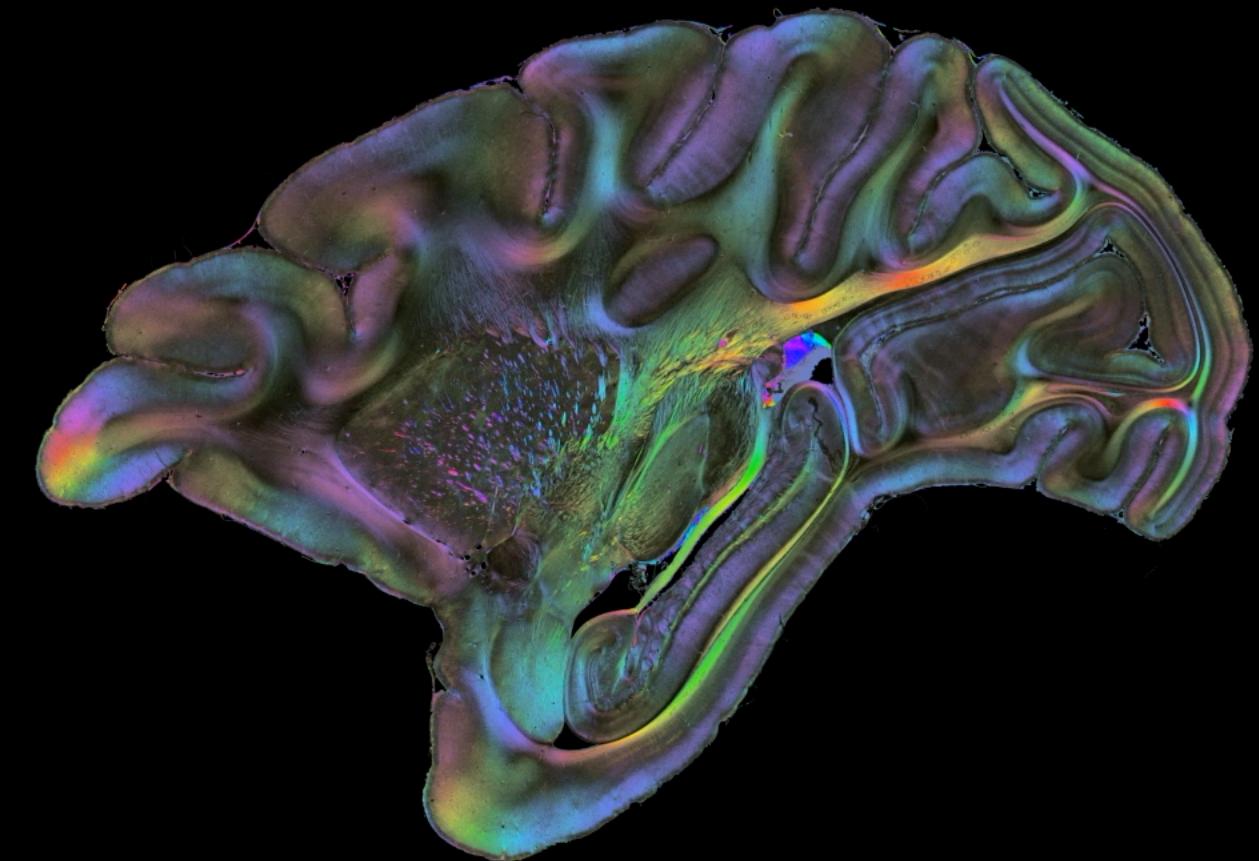
Eric Upsilonchulte (Timo Dickscheid)
Kooijmans et. al, in preparation

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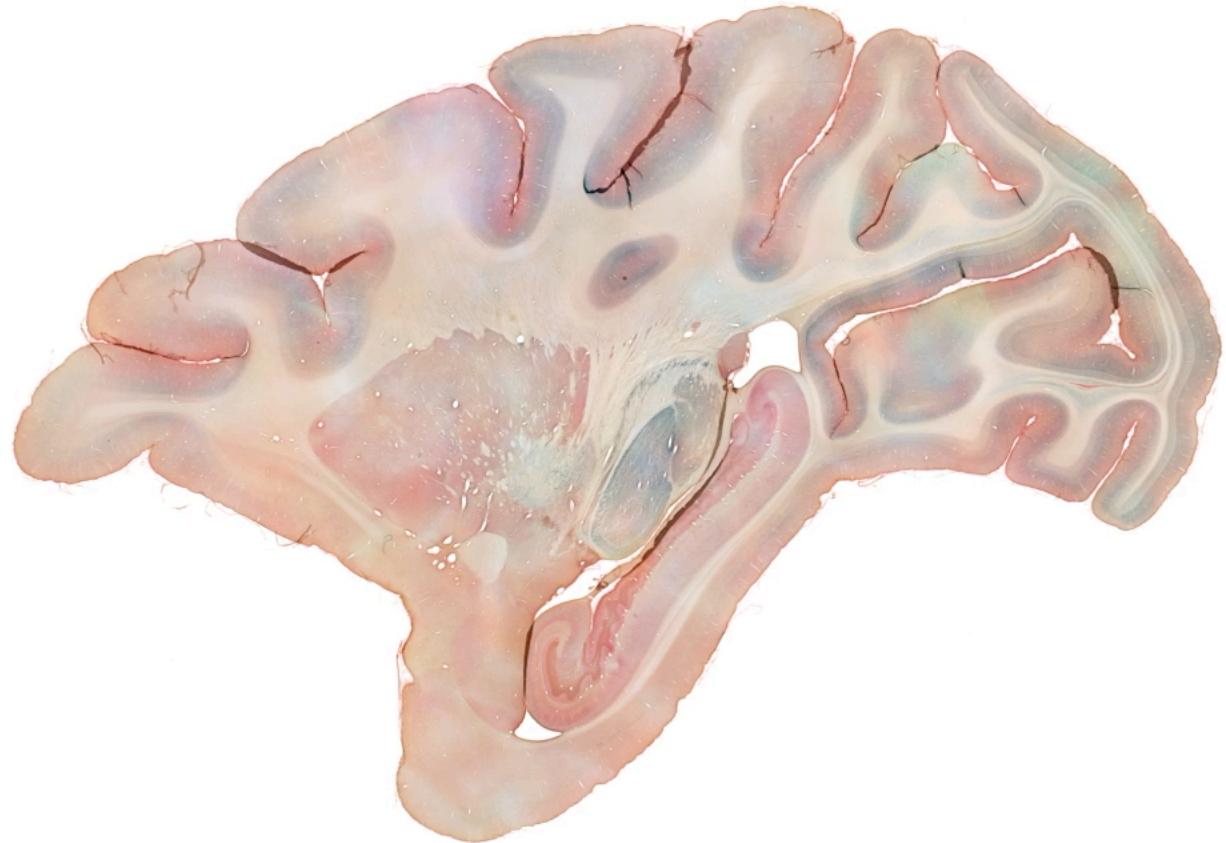


Kooijmans

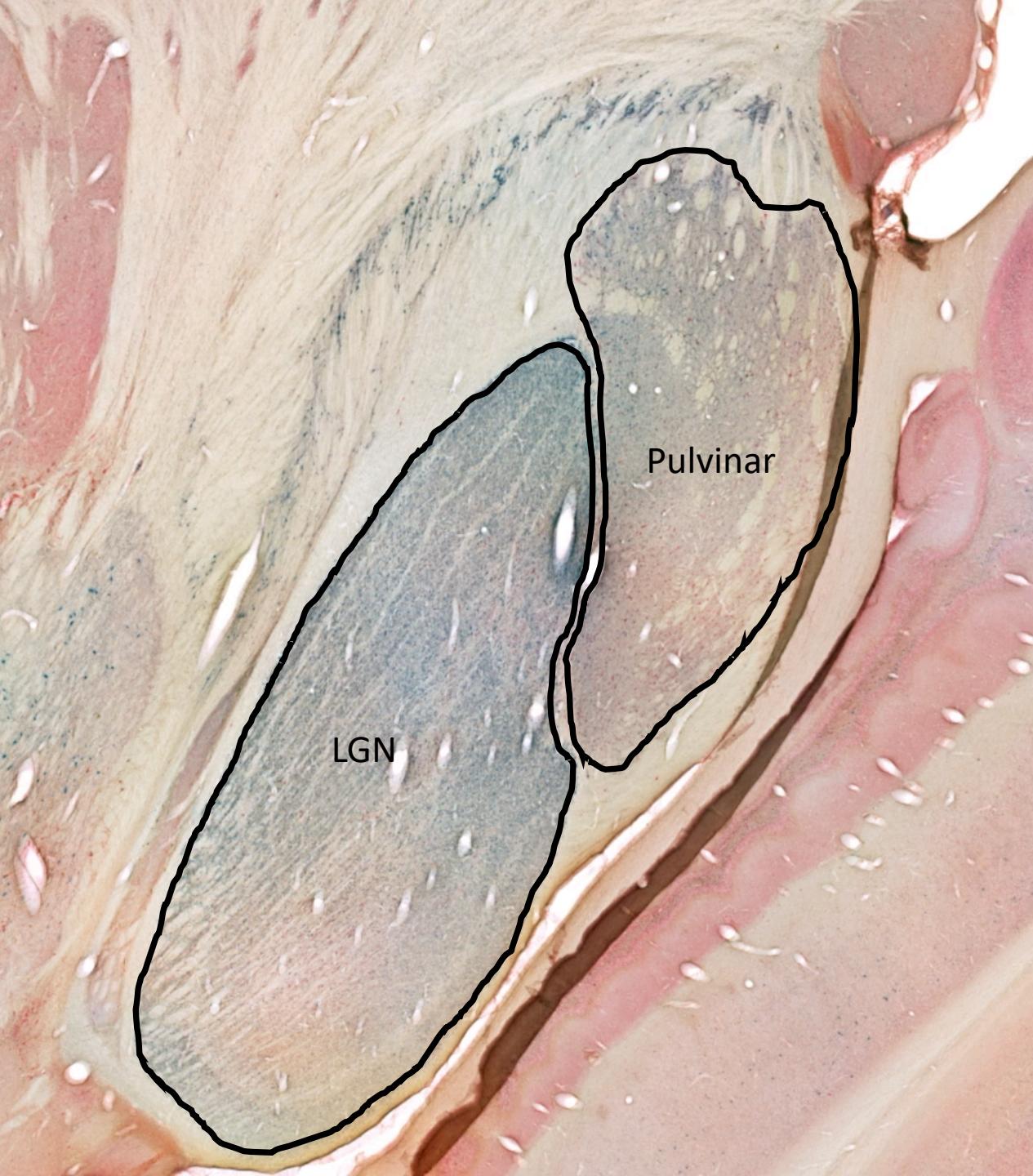
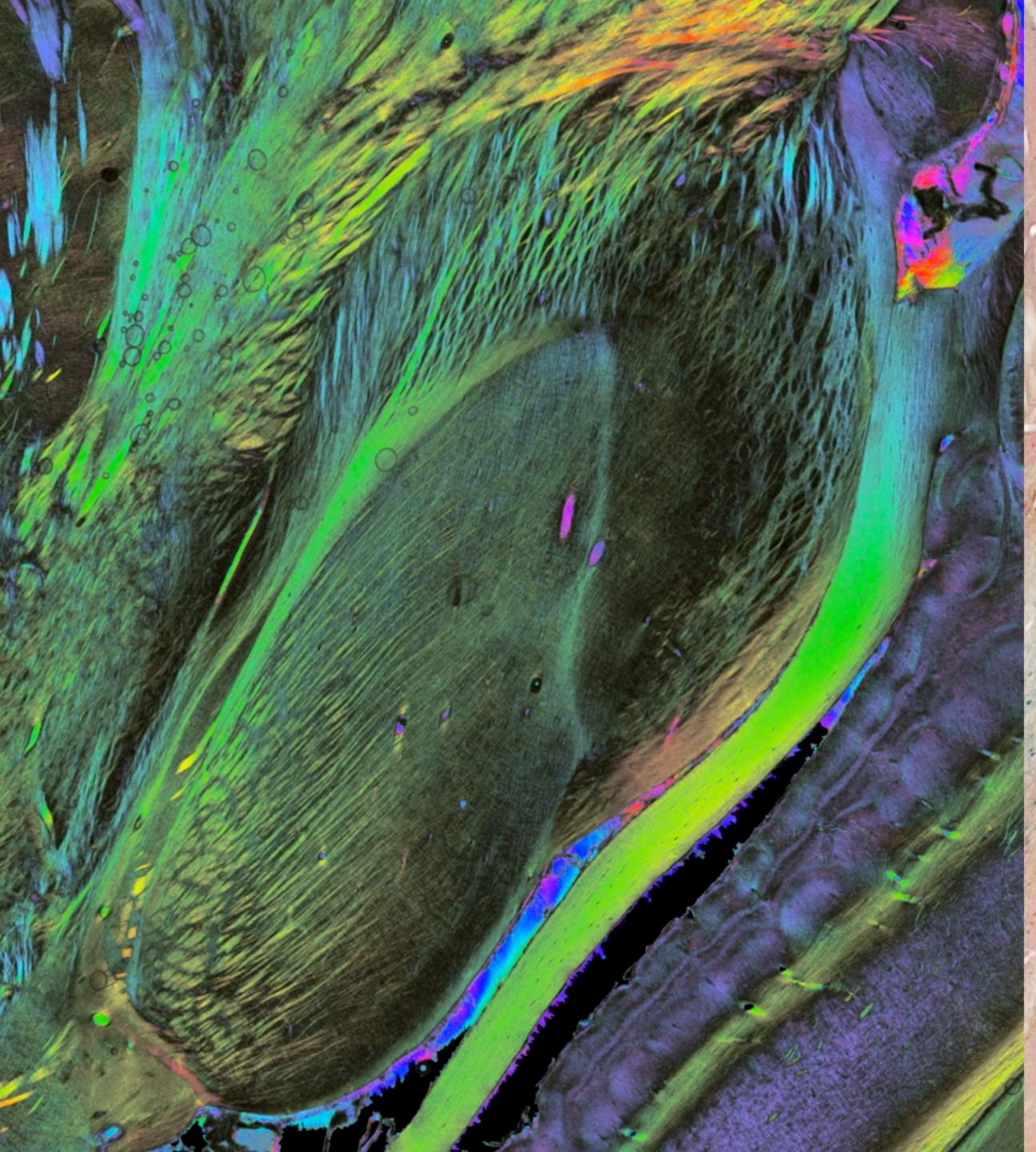


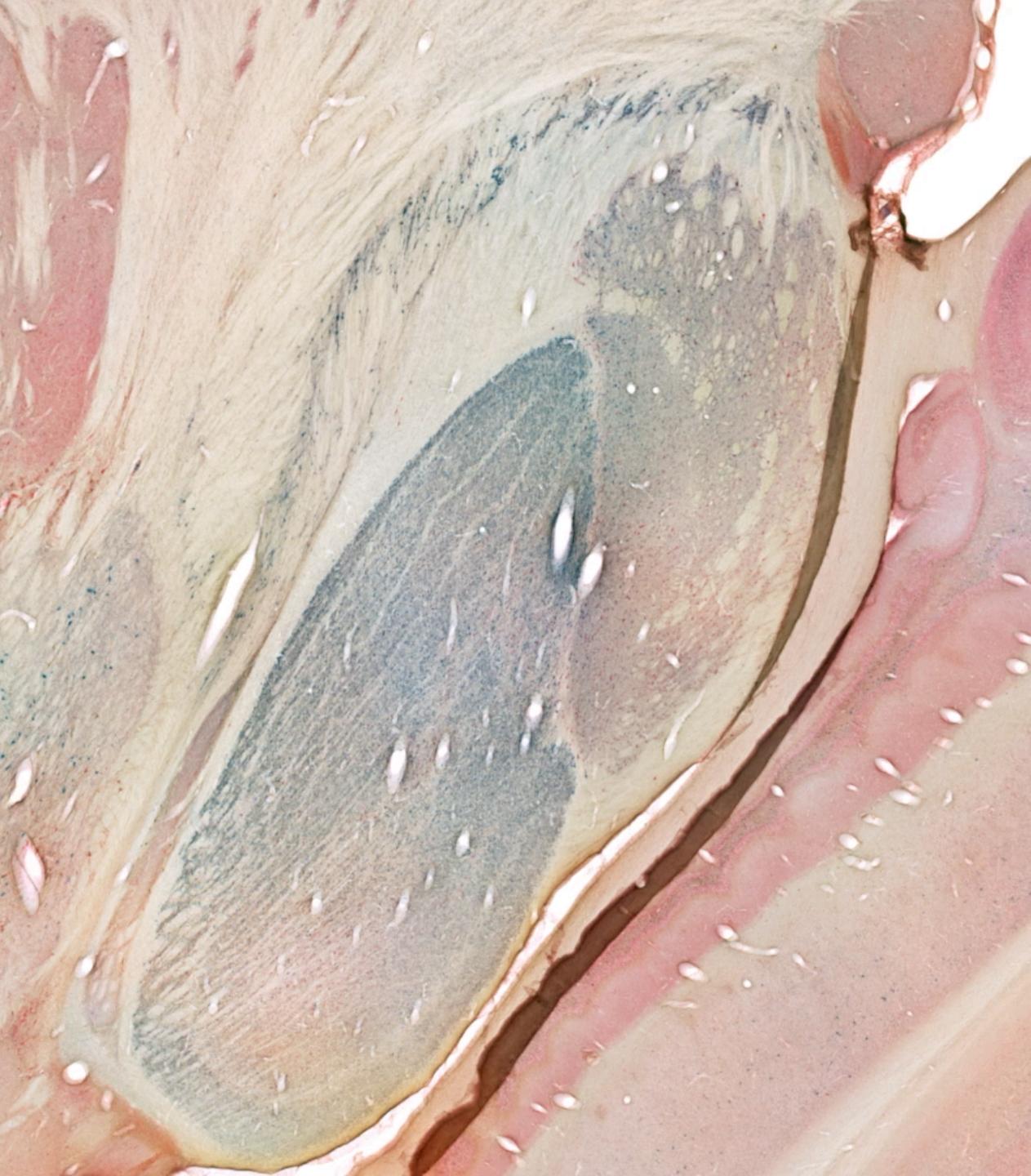
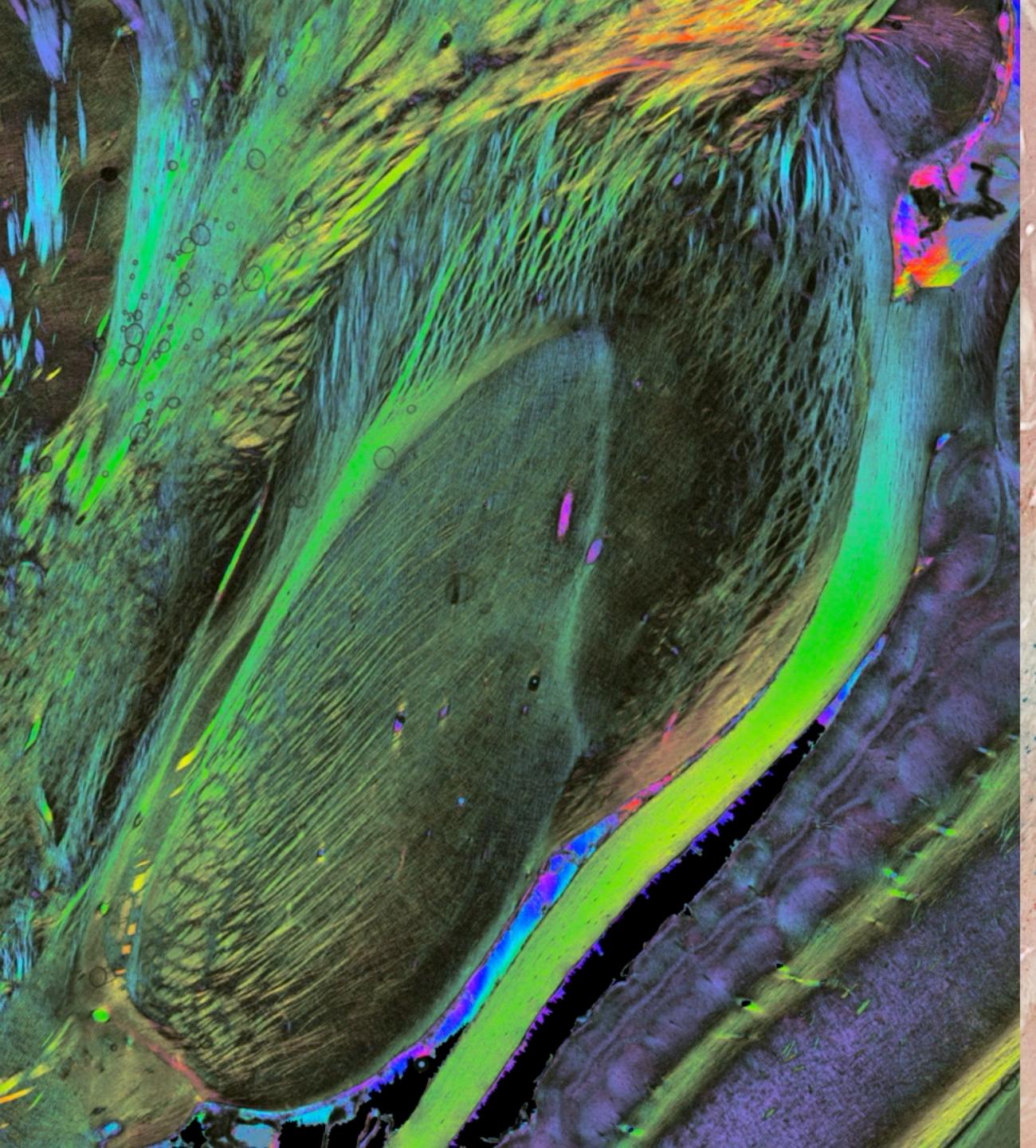


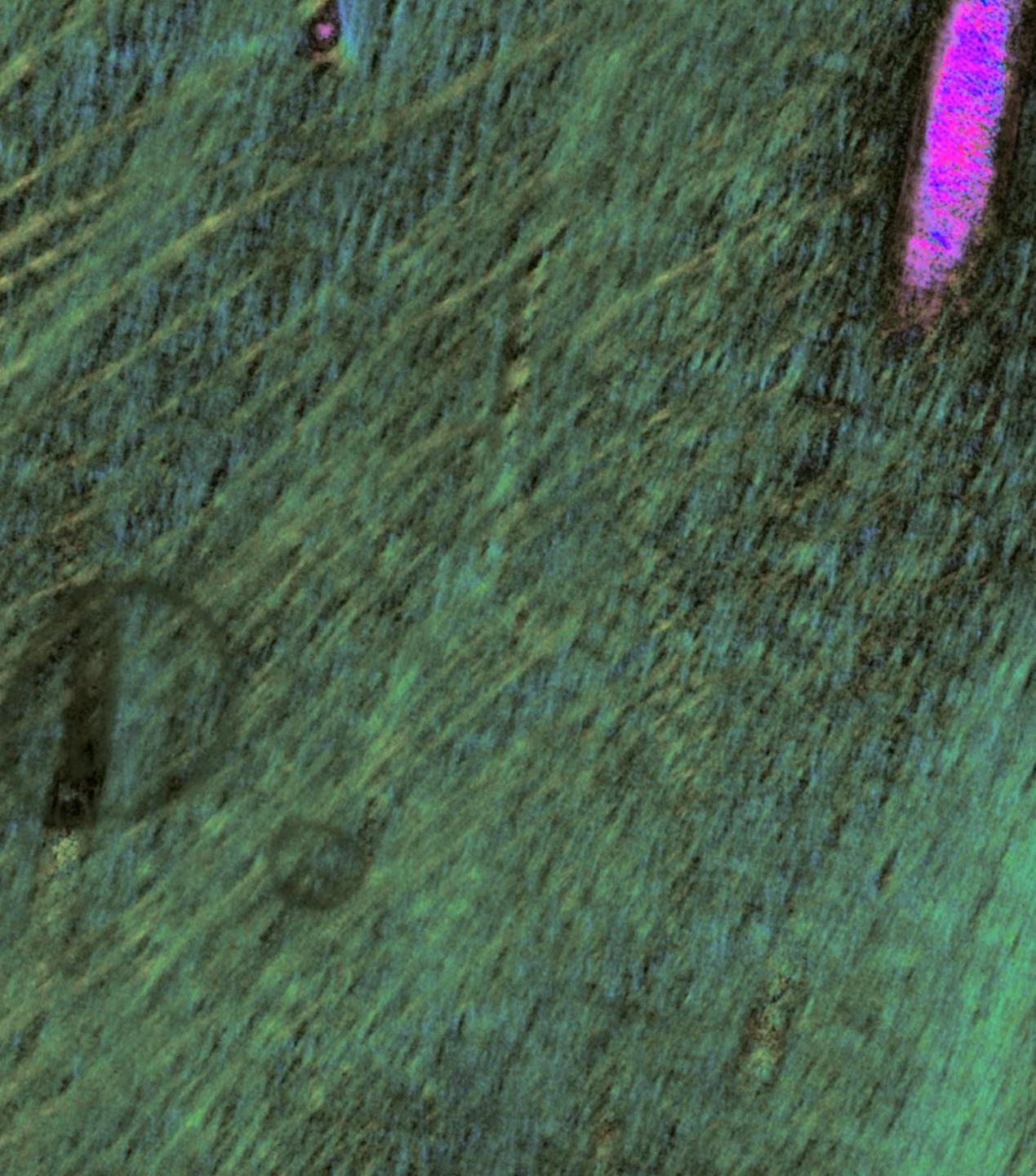
PLI



Immunohistochemistry
Parvalbumin
Calbindin
Calretinin







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