

■ UCLouvain

Secteur des Sciences de la santé  
Faculté de Médecine  
Cours WMDS ANAT 1311 (BAC3)  
Année académique 2021-2022

20 octobre 2021

# Neuroanatomie radiologique

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## Module 6: anatomie de la connectivité cérébrale + TP

## Les fibres commissurales (commissures)

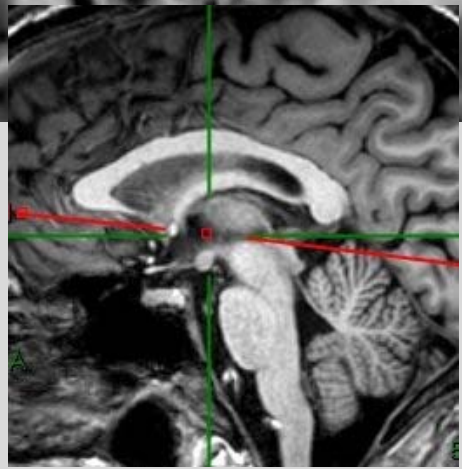
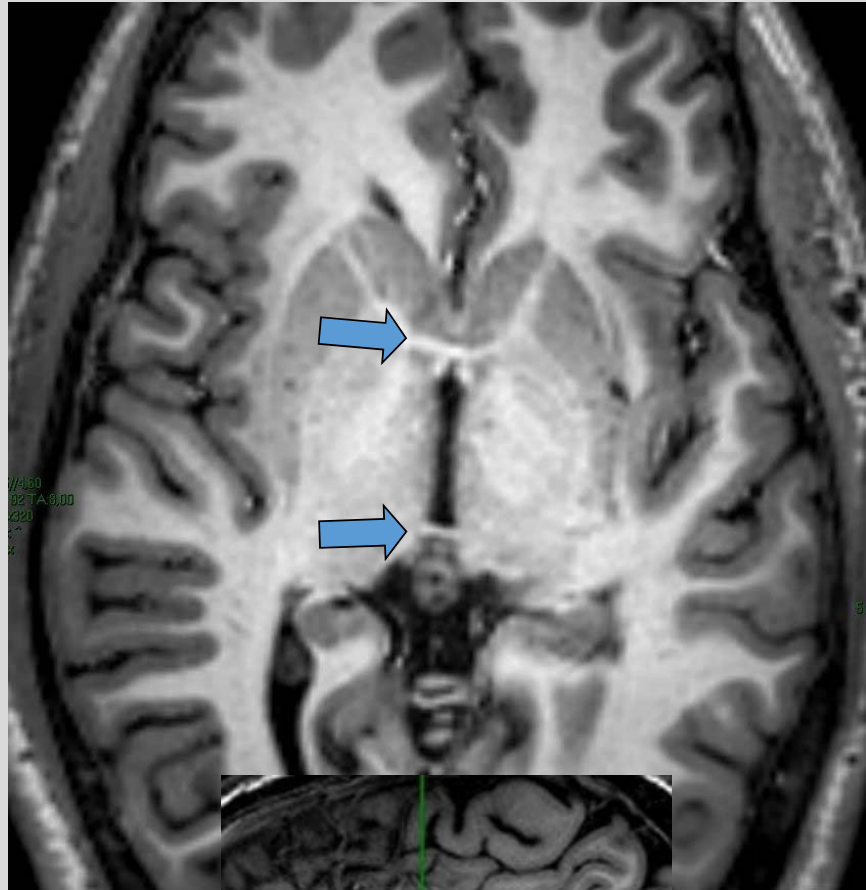
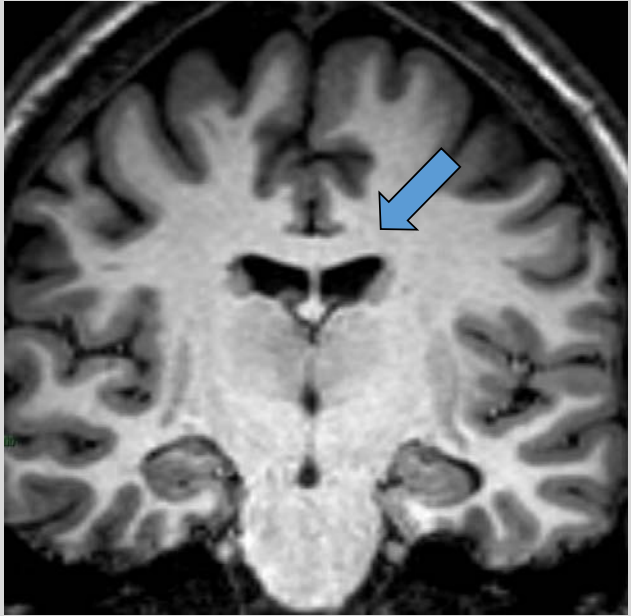
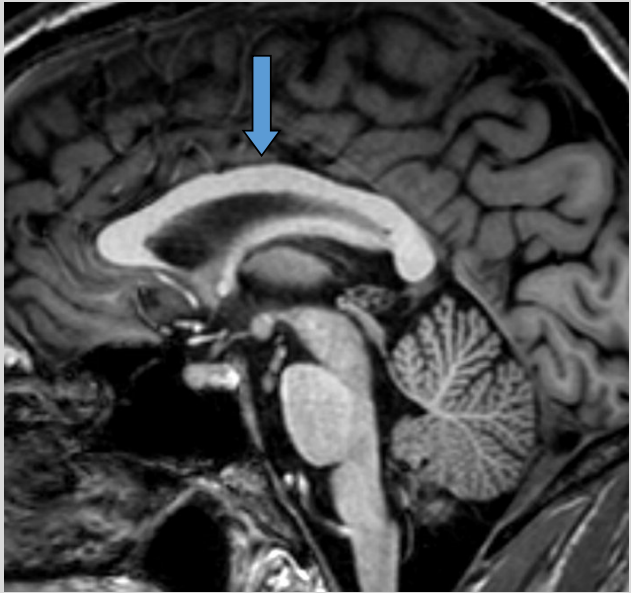
associent des régions en miroir des *deux hémisphères cérébraux*  
en *traversant la ligne médiane*

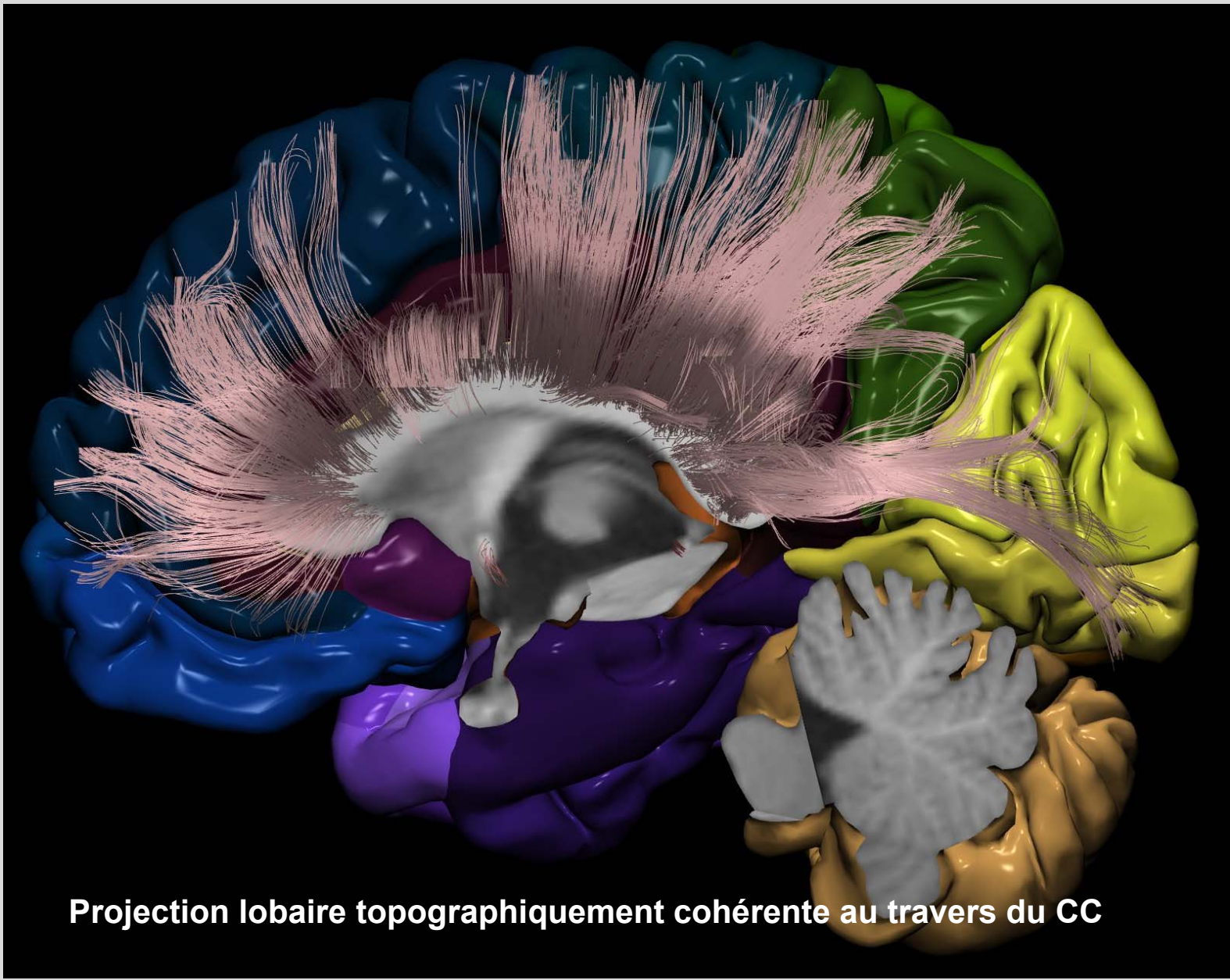
## Les faisceaux d'association

relient des *régions corticales différentes*  
du *même hémisphère cérébral*

## Les fibres de projection

relient le *cortex cérébral* aux structures sous-jacentes ou vice-versa

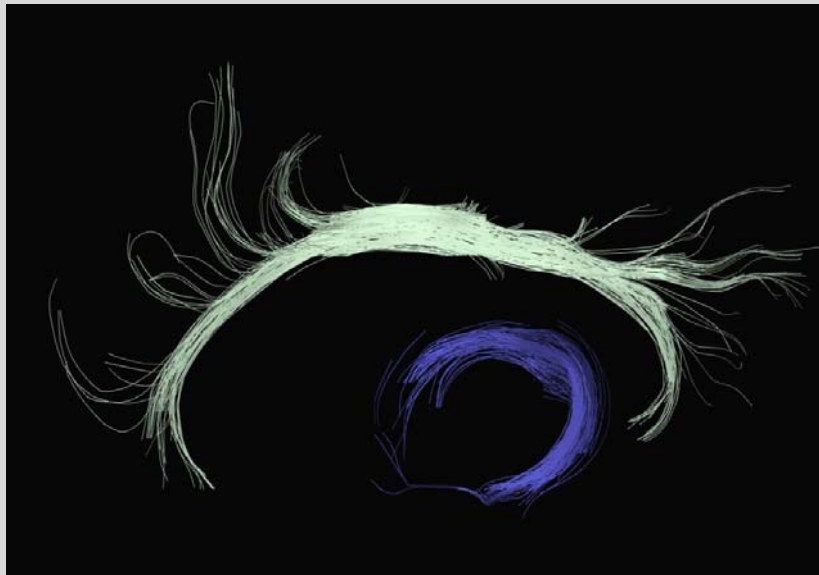




**Projection lobaire topographiquement cohérente au travers du CC**

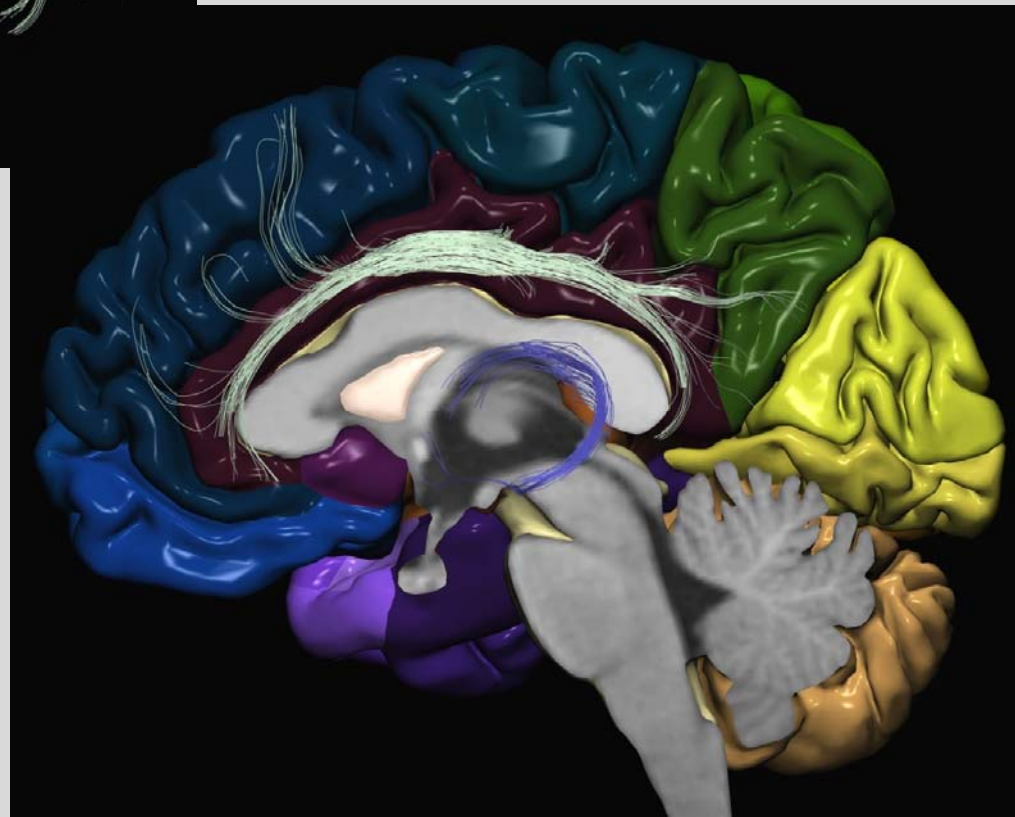


**Faisceaux  
associatifs  
centraux**

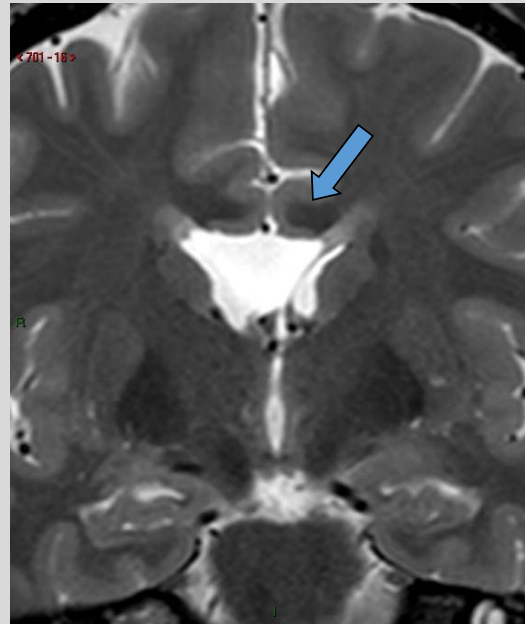
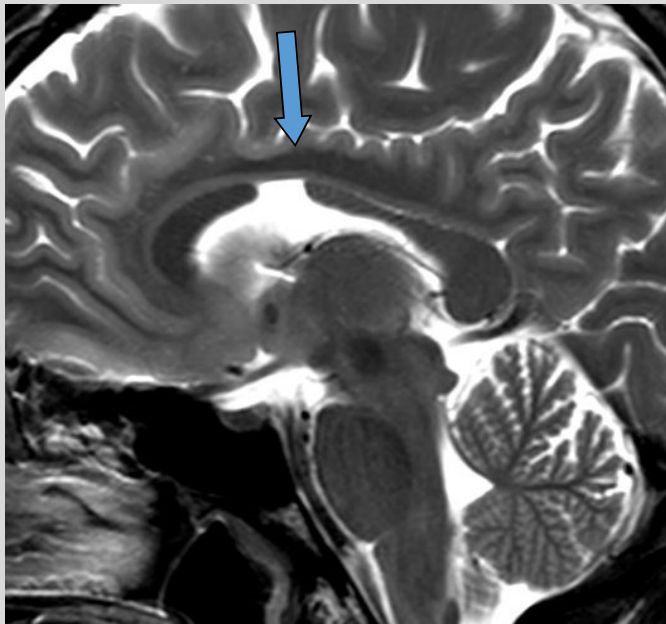


**cingulum**

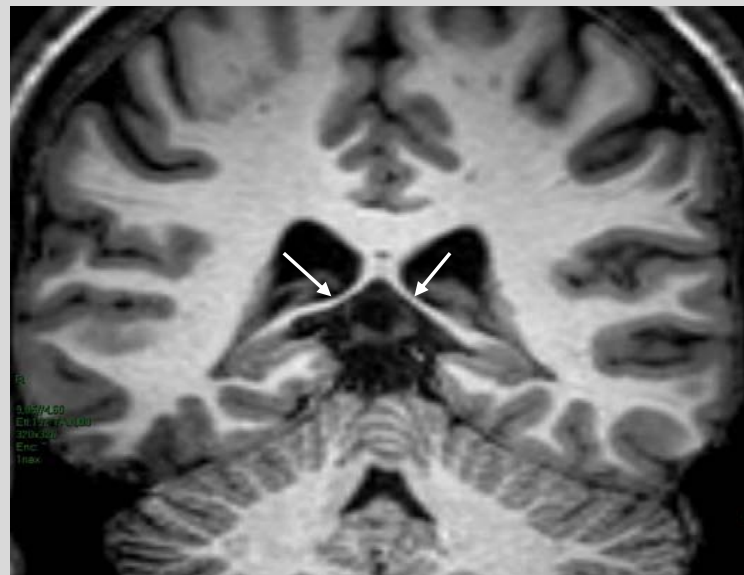
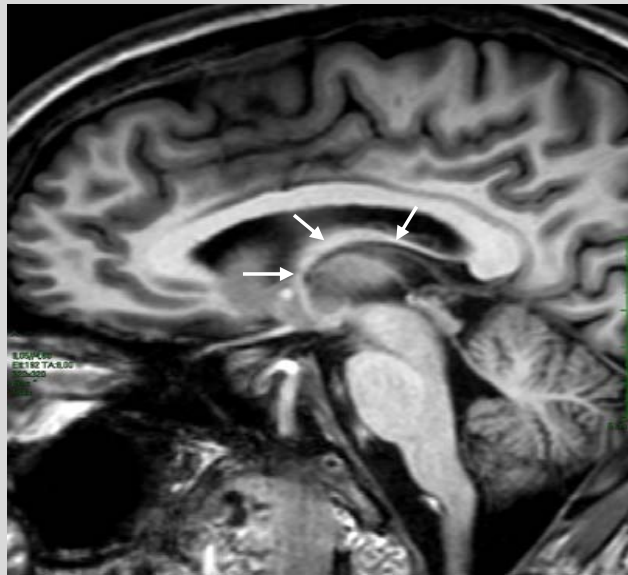
**fornix**

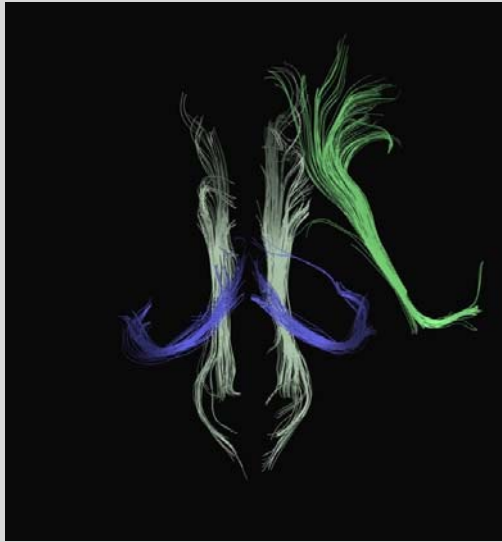


cingulum

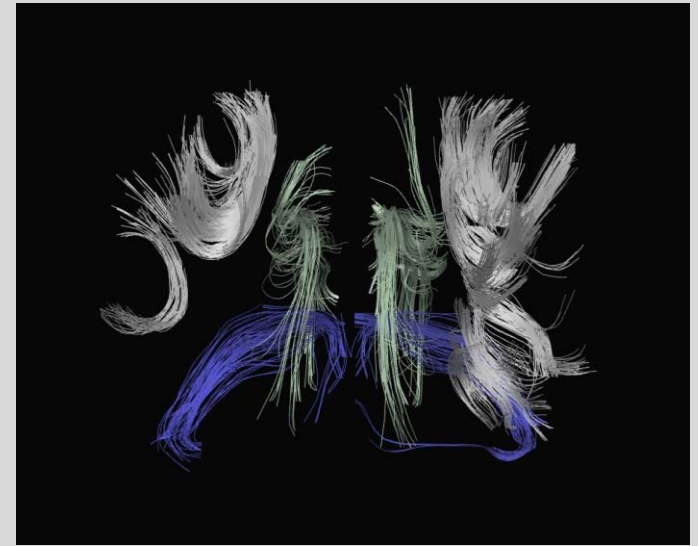


fornix



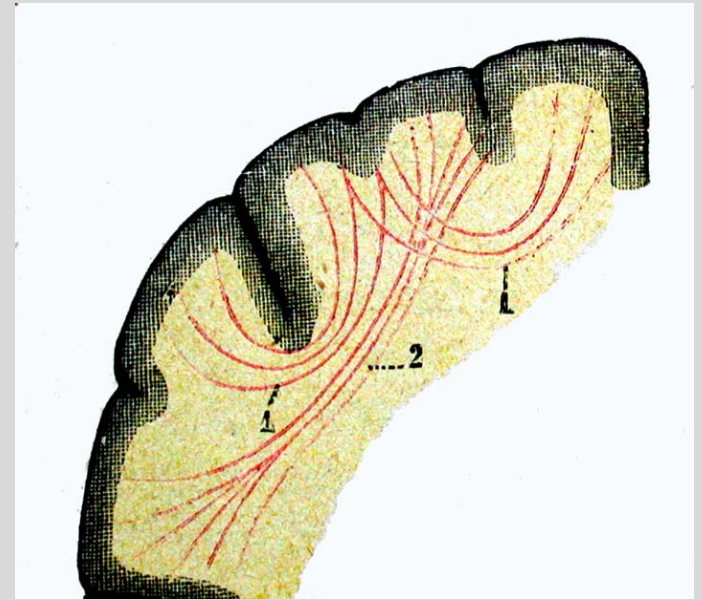
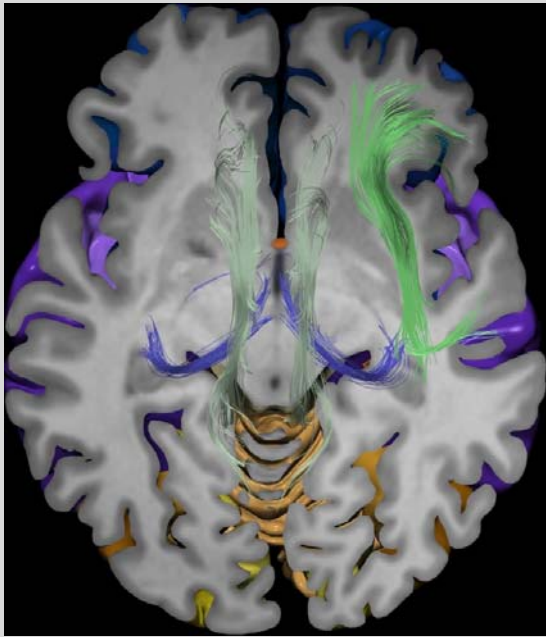


**Faisceaux  
associatifs  
non centraux**

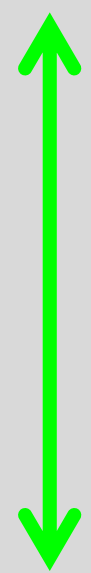
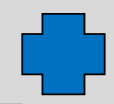
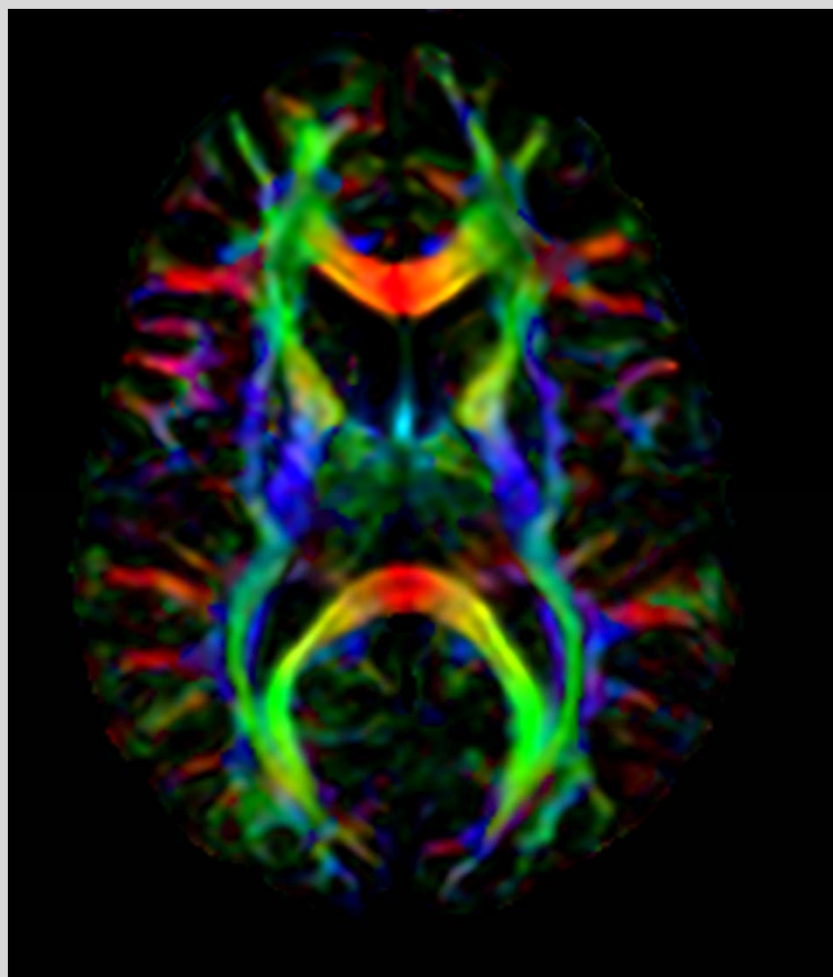
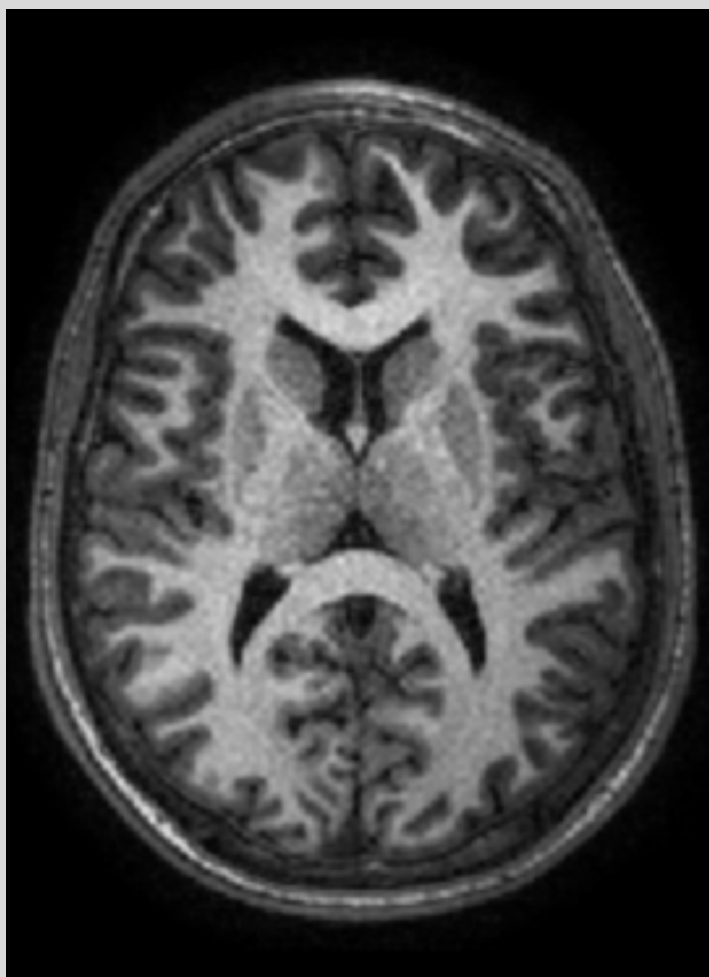


**Faisceau arqué**

**Fibres 'en U'**

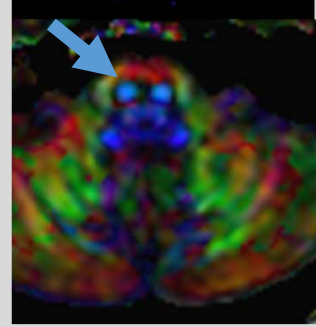
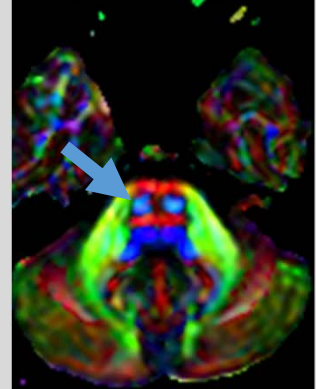
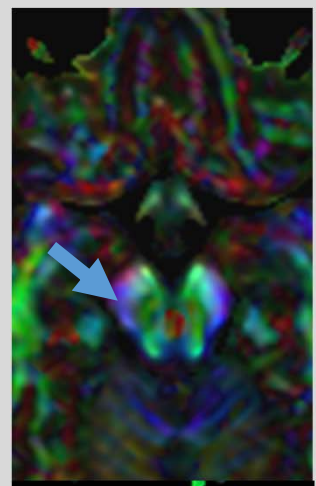
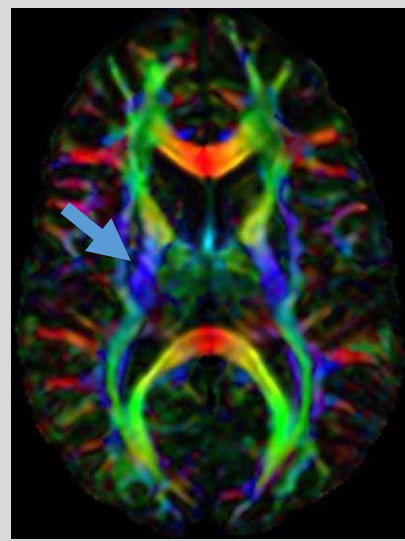
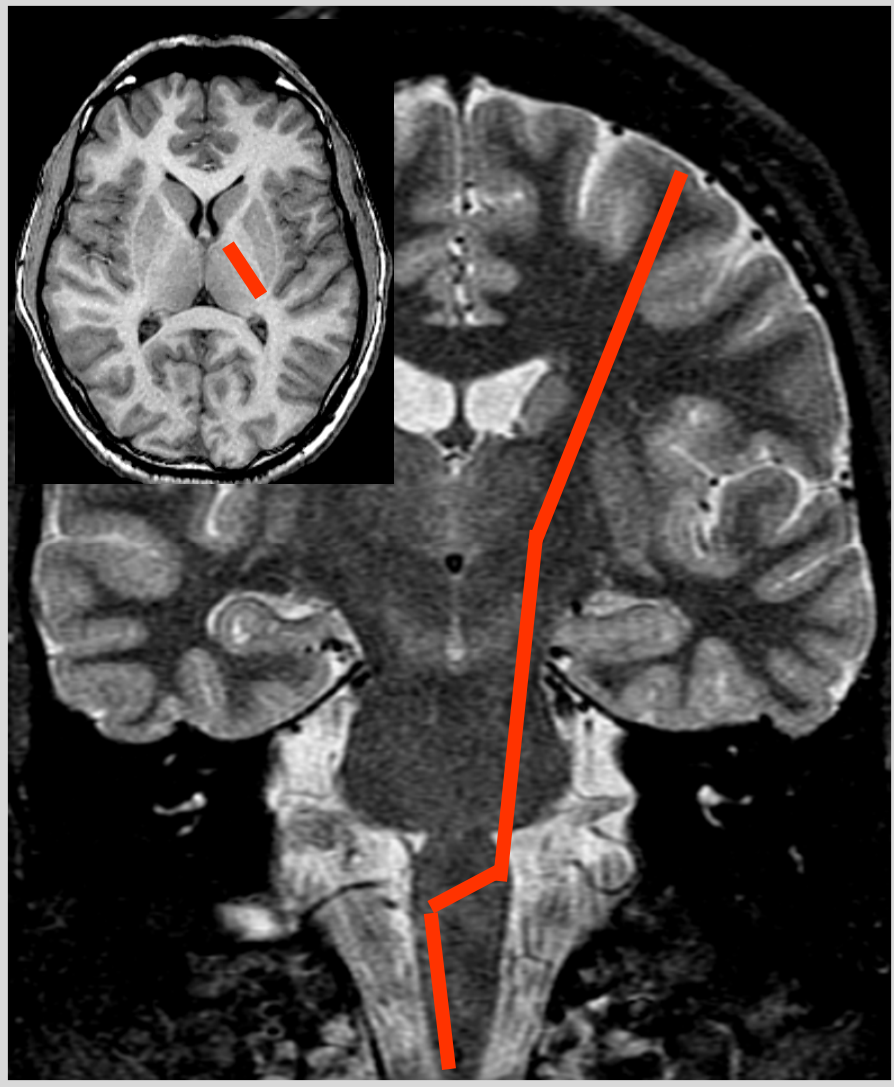


Anatomie de la connectivité in vivo: FT-DTI



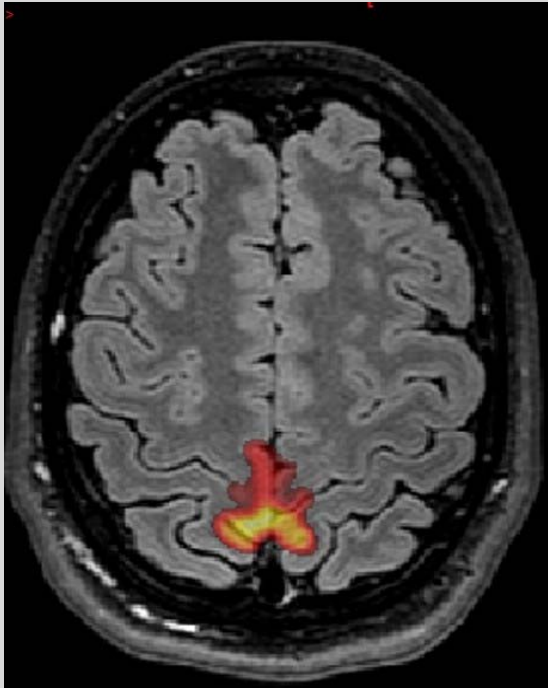


# Fibres de projection

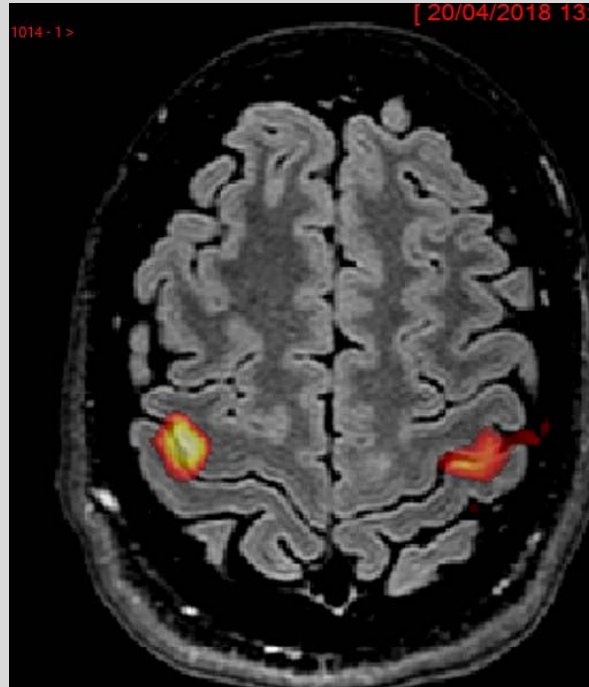


faisceau  
cortico-spinal  
direct  
=  
voie  
pyramidale

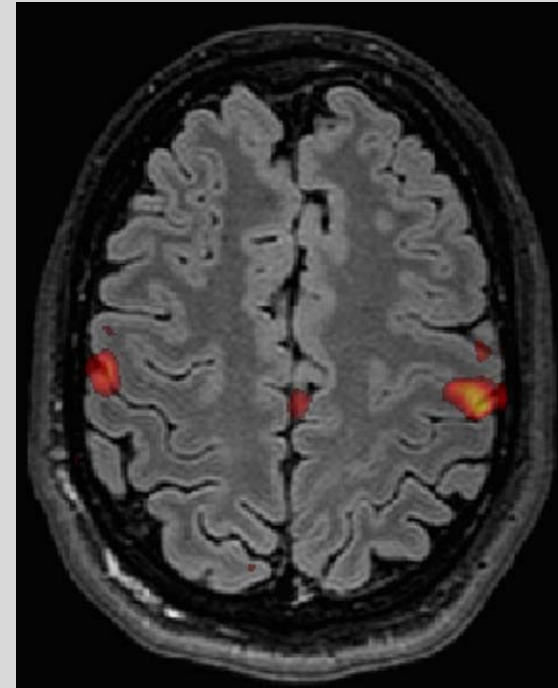
# IRM fonctionnelle de l'activation neuronale



Activation des pieds



Activation des mains



Activation des lèvres

TP!

