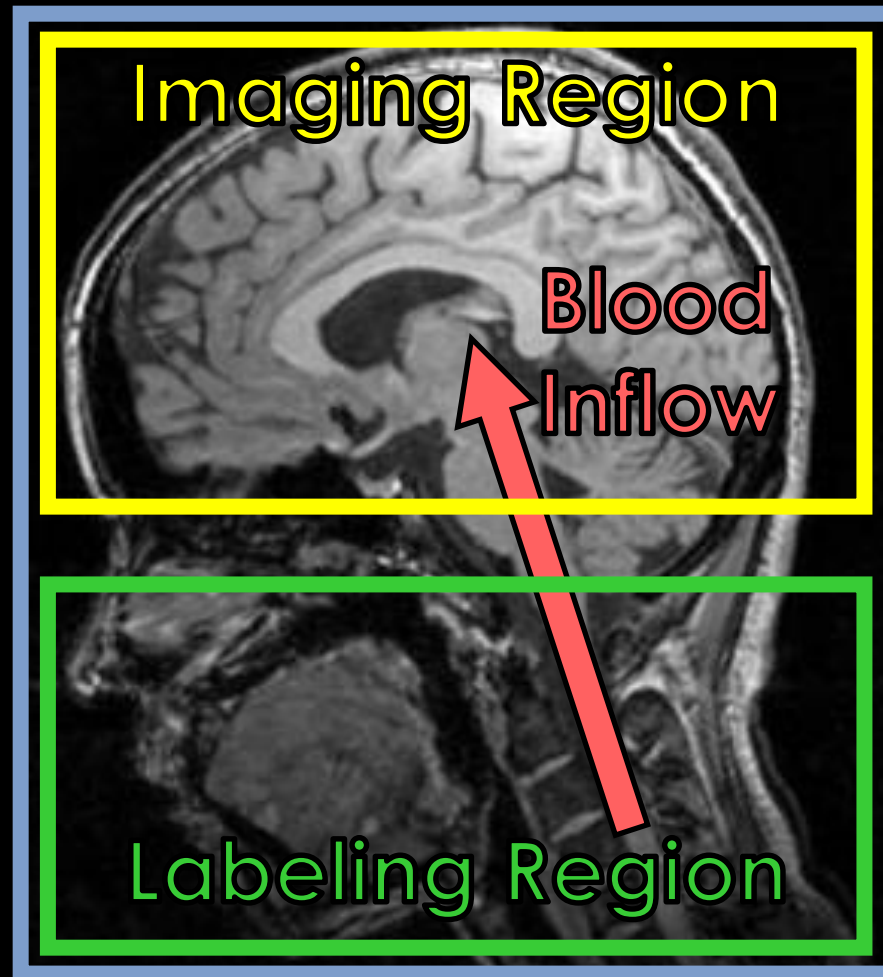
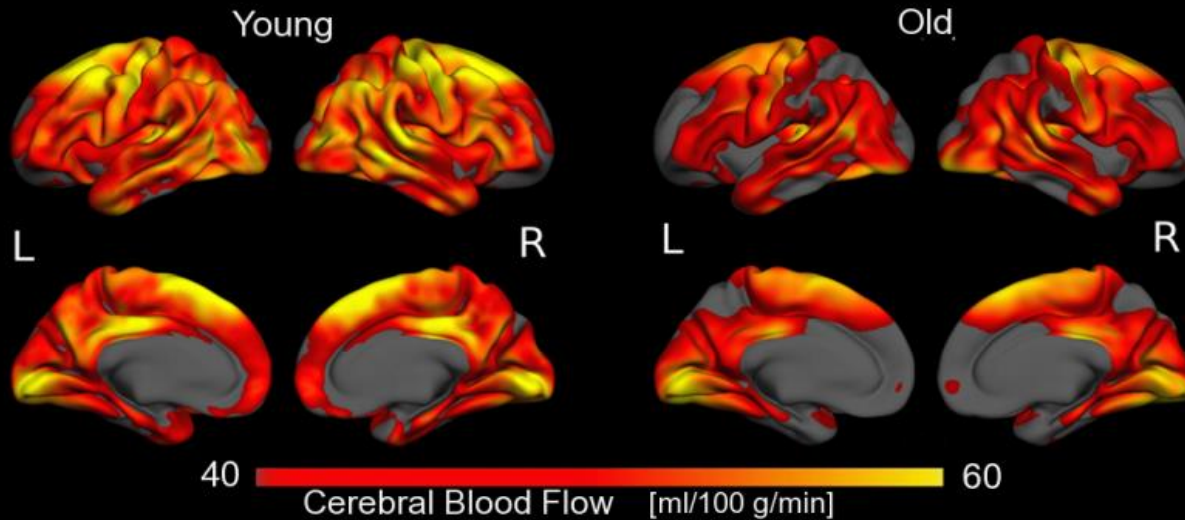


Control Region



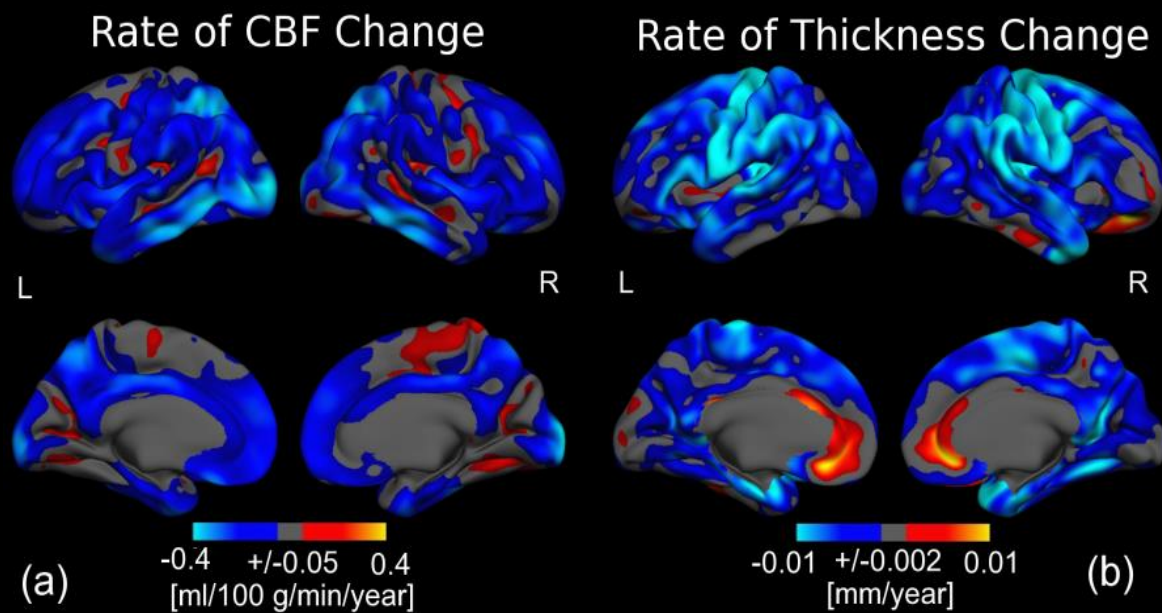
Schematic of PICORE pulsed arterial-spin labeling (ASL).

The Effect of Age on Cerebral Blood Flow



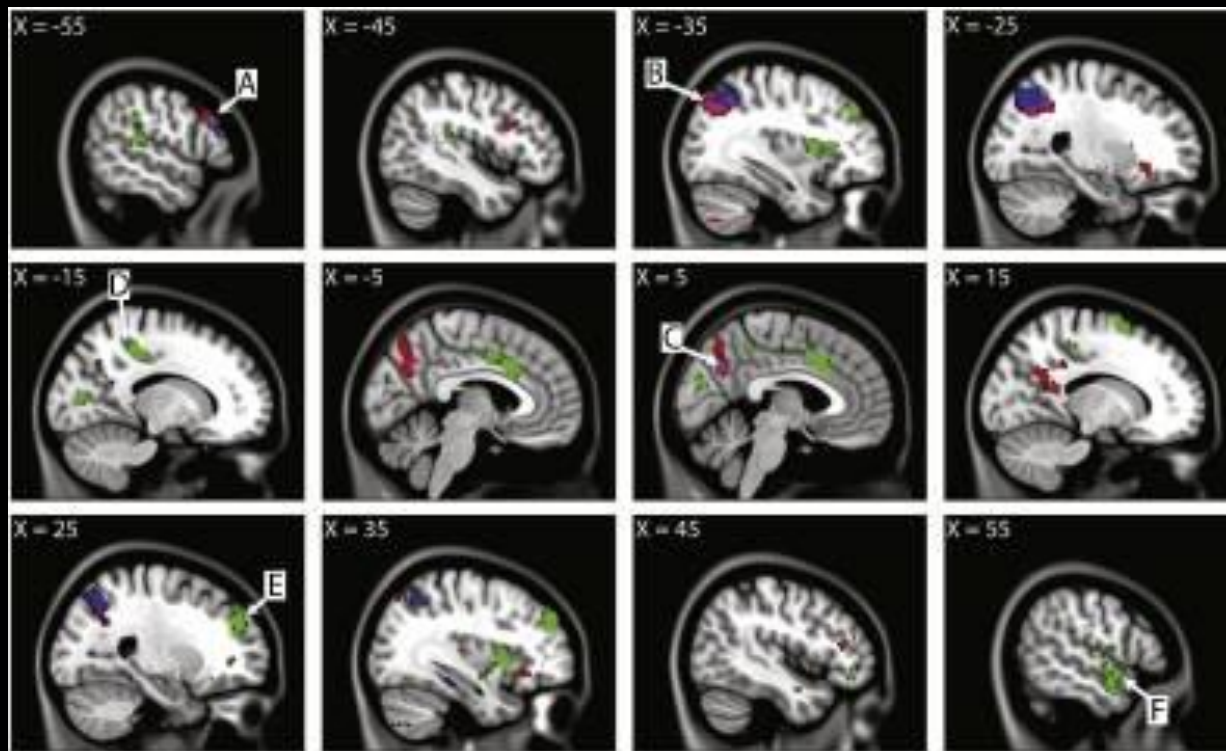
Adapted from [Chen JJ et al., NeuroImage 2011; 55: 468-478]

Quantitative maps of cerebral blood flow, generated using arterial-spin labeling, are compared between age groups.



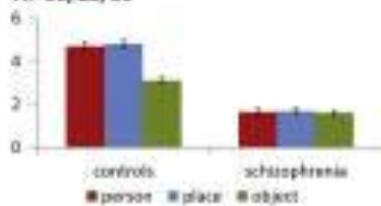
[Chen JJ et al., NeuroImage 2011; 55: 468-478]

Age-associated rates of change in cortical blood flow and cortical thickness.

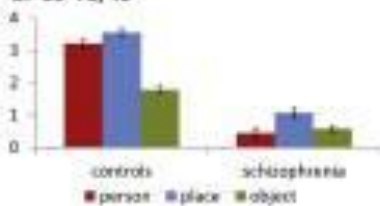


■ Control > Schizophrenia, Person vs. Object
 ■ Control > Schizophrenia, Place vs. Object
 ■ Schizophrenia > Control, Place vs. Object

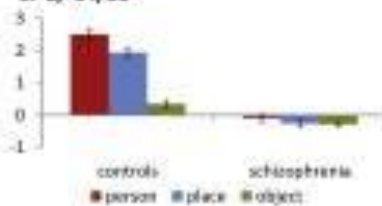
A: -50, 23, 30



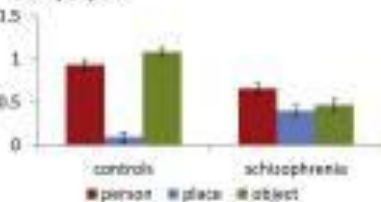
B: -36 -70, 40



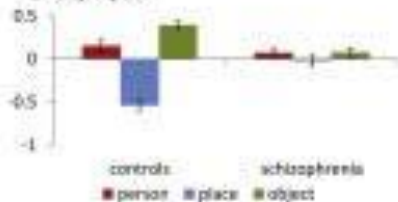
C: 2, -64, 36



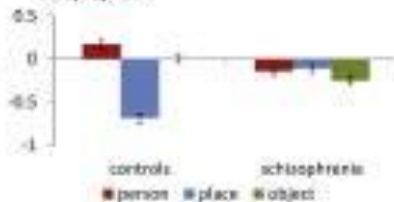
D: -8, 14, 34



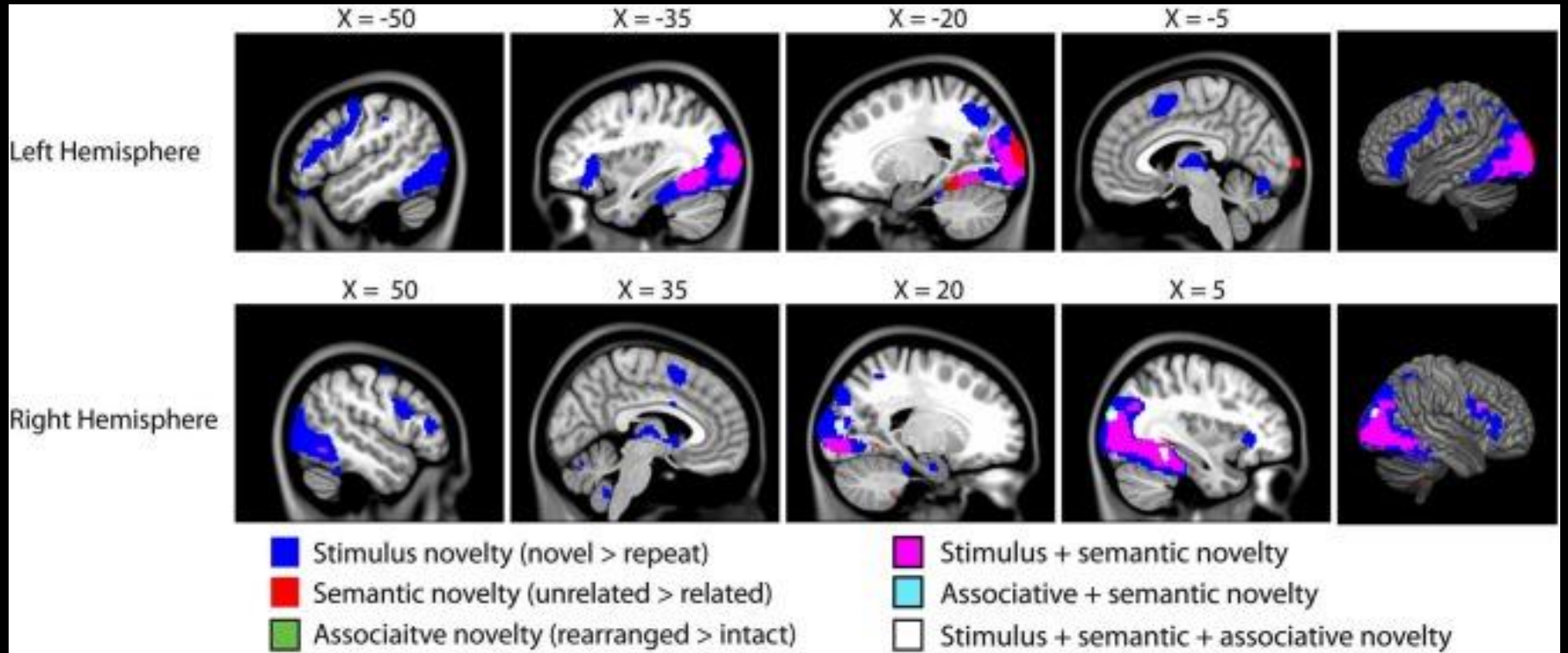
E: 30, 44, 26



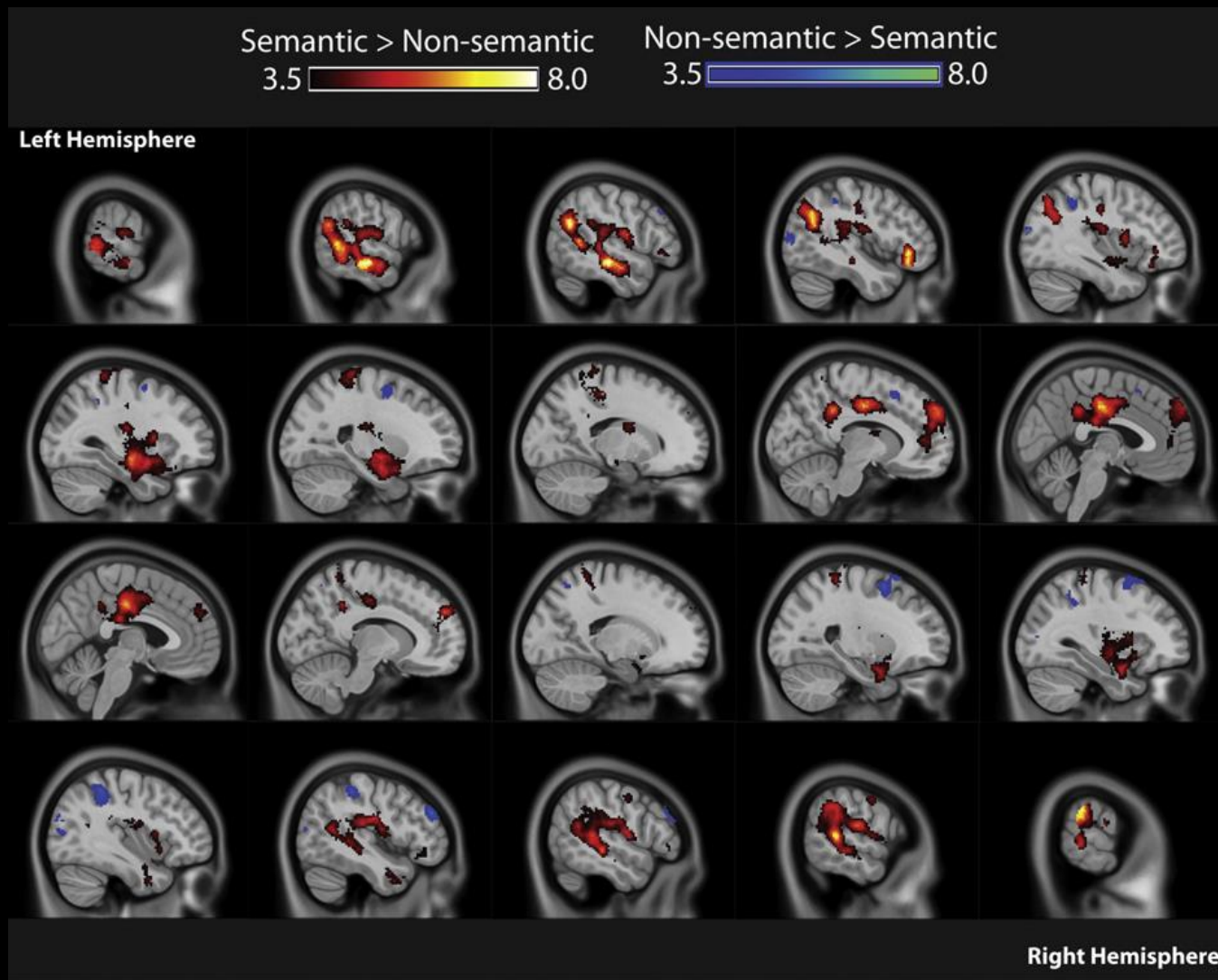
F: 56, -2, -16



Hawco et al. 2014.
 Neuroimage Clin. 2015; 7:
 336–346.

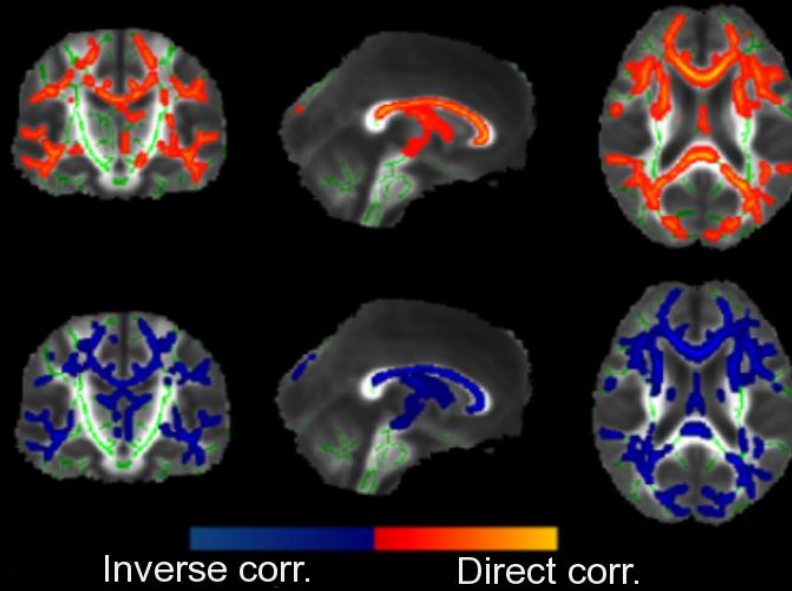


From Hawco and Lepage 2014. *Front Hum Neurosci.* 2014; 8: 699.

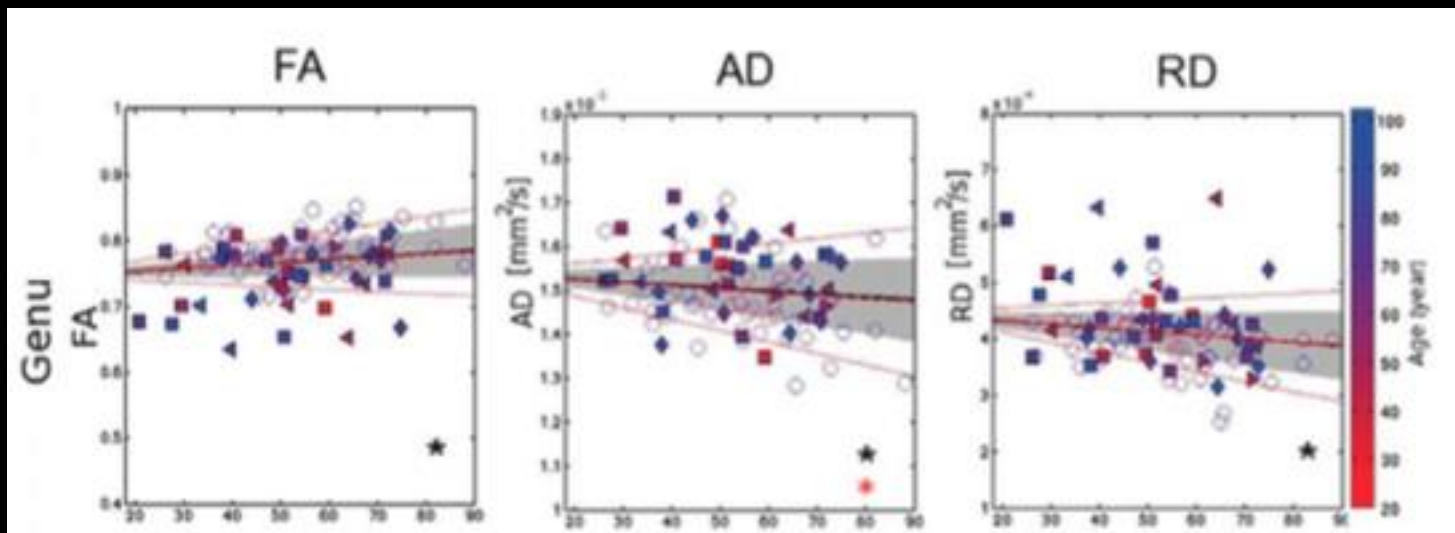


From Hawco, Armony, and Lepage 2013. *NeuroImage* 67 (2013) 273–282

Water Diffusivity Tissue Anisotropy

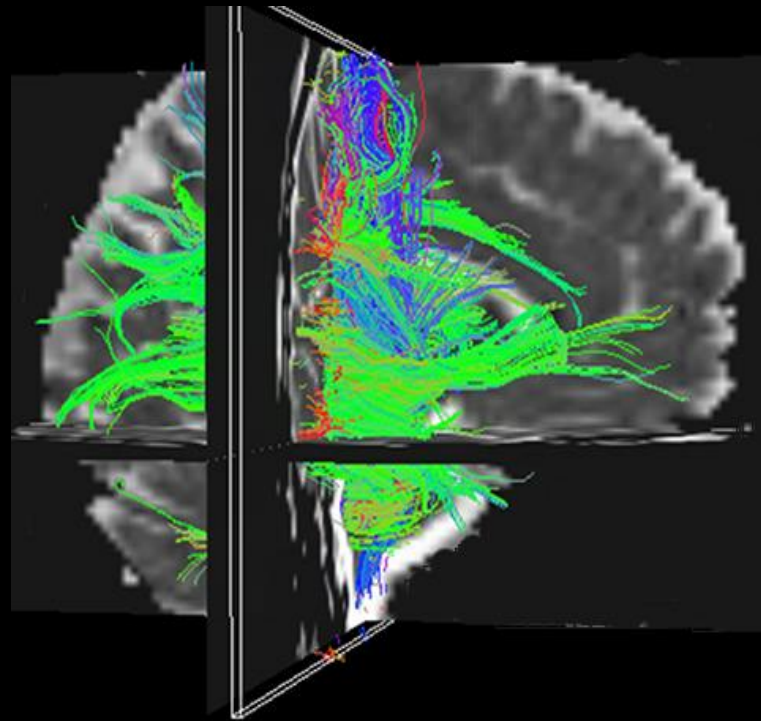


Mapped associations between diffusion parameters and cerebral blood flow across the life span.



[Chen JJ et al., PLoS ONE 2013; 8: e56733]

Associations between diffusion parameters and cerebral blood flow across the life span. Different symbols represent individuals with various risk factors.





[Tak et al., NeuroImage 2014; 84: 672-680]

3D visualization of the vascular segmentation obtained from MR angiography.