(A) fMRI Scan Parameters #Headcoil Channels **#Sessions** #Subjects Acq. Order Planar Res. 1.000 0.975 0.950 0.925 0.900 0.875 0.000 1.000 0.975 100 150 200 20 30 12 50 3.00 3.25 3.50 3.75 4.00 10 Slice Thickness TR Scanner Model TE 0.950 0.925 Dataset 0.900 KKI2009 **JHNU** 0.875 5.0 15 20 25 30 2000 3000 3.5 4.0 4.5 351500 2500 NKI1 LMU3 Value MRN1 BNU1 (B) dMRI Scan Parameters BNU₂ NYU1 DC1 NYU2 #Headcoil Channels #Subjects **#Diffusion Directions** #Sessions 1.00 -HNU1 SWU1 **IACAS** SWU₂ 0.95 **IBATRT** SWU3 0.90 Discriminability **IPCAS** SWU4 125 50 75 100 10 15 20 25 30 6 10 50 100 150 200 25 IPCAS1 UM B-Value Intensity Planar Res. TR Scanner Model IPCAS2 UPSM1 1.00 IPCAS5 Utah1 0.95 IPCAS6 UWM IPCAS8 XHCUMS 0.90 1000 1100 1200 1300 1400 1500 1.6 1.8 2.0 2.2 4000 6000 8000 #Scans Value 100 (C) Multimodal MRI Comparison 200 0.10 300 400 0.05 $\hat{D}_{\text{dMRI}} - \hat{D}_{\text{fMRI}}$ 0.00

Desikan

Parcellation

HO

-0.05

-0.10

AAL

CPAC200