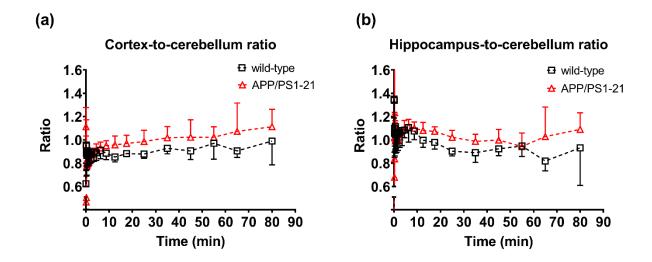
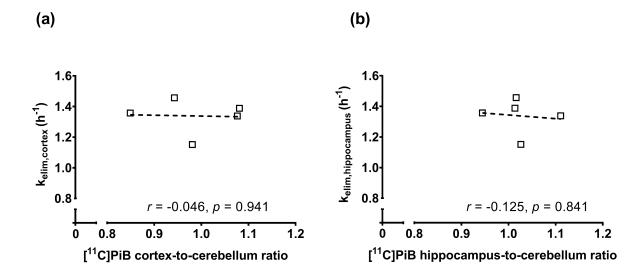


Supplementary Figure 1. Representative MR co-registered [11C]BMP PET summation images (0-90 min) in one wild-type mouse aged 170 days (a) and one APP/PS1-21 mouse aged 170 days (b). The outlined regions of interest are shown: cortex (blue), hippocampus (red) and cerebellum (yellow).



Supplementary Figure 2. Cortex-to-cerebellum (a) and hippocampus-to-cerebellum ratios (b) (mean \pm SD) of [11 C]PiB in wild-type and APP/PS1-21 mice aged 170 days.



Supplementary Figure 3. Correlation between k_{elim,cortex} of [¹¹C]BMP and the cortex-cerebellum ratio of [¹¹C]PiB (a) and k_{elim,hippocampus} of [¹¹C]BMP and the hippocampus-cerebellum ratio of [¹¹C]PiB (b) in vehicle treated APP/PS1-21 mice aged 170 days.