

Figure 5: Negative prediction errors and expression of the COMT SNP

(A) Negative precision-weighted prediction errors (on trials when the advice was more misleading than predicted) increased activity in the bilateral dorsomedial PFC and the superior occipital cortex (whole-brain FWE correction at the cluster level, $p < 0.05$). (B) Participants with the Met/Met polymorphism (and reduced efficacy of the COMT enzyme) showed reduced activity for negative prediction errors in the dorsomedial PFC and the fusiform face area (FFA) compared to carriers of the Val allele (whole-brain FWE correction at the cluster level, $p < 0.05$).

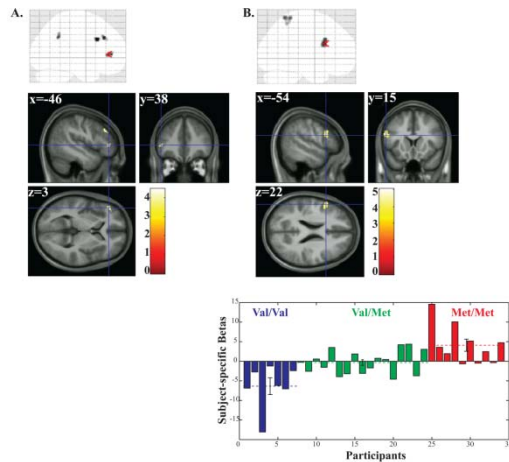
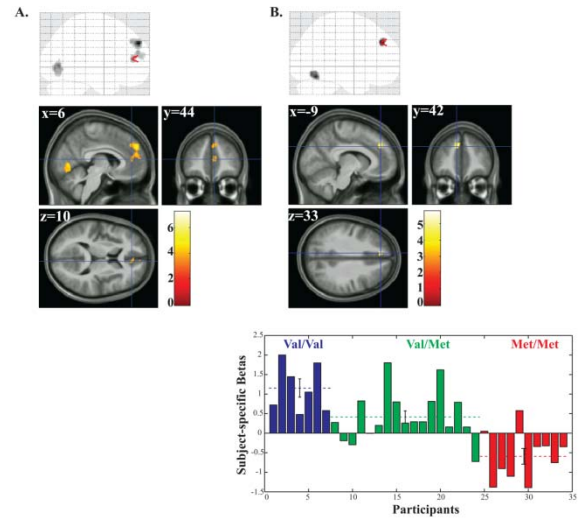


Figure 6:
Positive prediction errors and expression of the COMT SNP

(A) Positive precision-weighted prediction errors (on trials when the advice was more helpful than predicted) were encoded in the left inferior parietal lobule (IPL) and the dorsolateral PFC (whole brain FWE correction at the cluster level, $p < 0.05$). (B) Carriers of the Met polymorphism showed greater responsiveness to positive prediction errors and enhanced activity in the dorsolateral PFC (whole-brain FWE correction at the cluster level, $p < 0.05$).