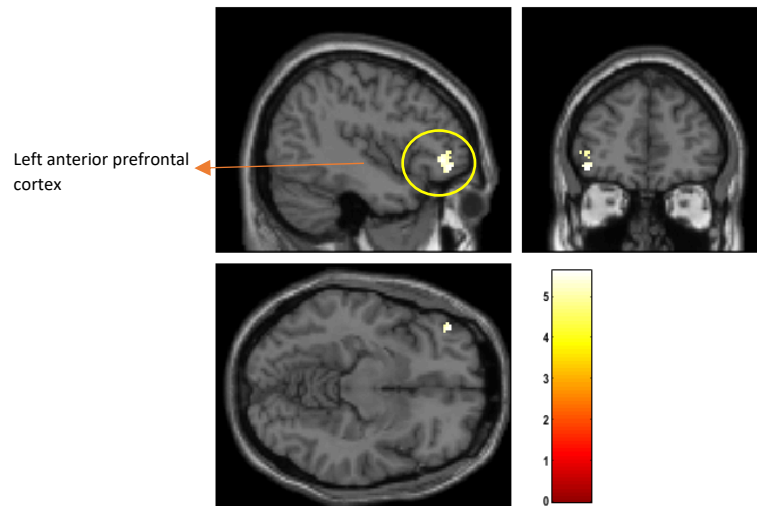


## Supplementary data

### **Study 1**

#### WB associated odors

One sample t-test was done to look at the mean activation for WB associated odors (flower + orange), using valence score as covariate. Contrast chosen was odor (ON) > odorless air (OFF). Results reported at  $p \text{ FWE} < 0.05$ . All results reported at whole brain level.



k	T value	x y z	region
116	5.62	-42 46 -10	Left anterior prefrontal cortex

#### Neutral odors

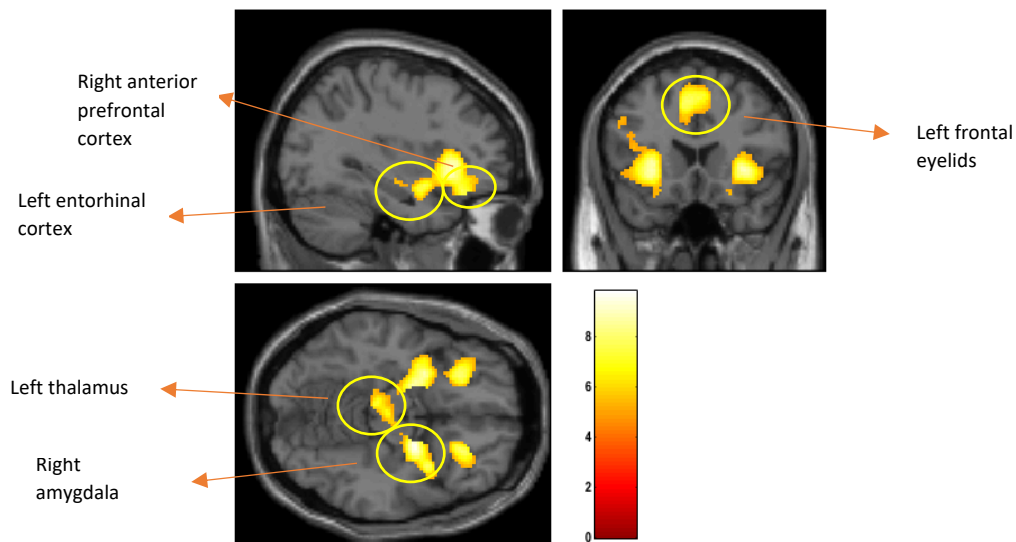
One sample t-test was done to look at the mean activation for neutral odors (coffee + grass), using valence score as covariate. Contrast chosen was odor (ON) > odorless air (OFF). Results reported at  $p \text{ FWE} < 0.05$ .

k	T value	x y z	region
-	-	-	-

## Study 2

### WB associated odors

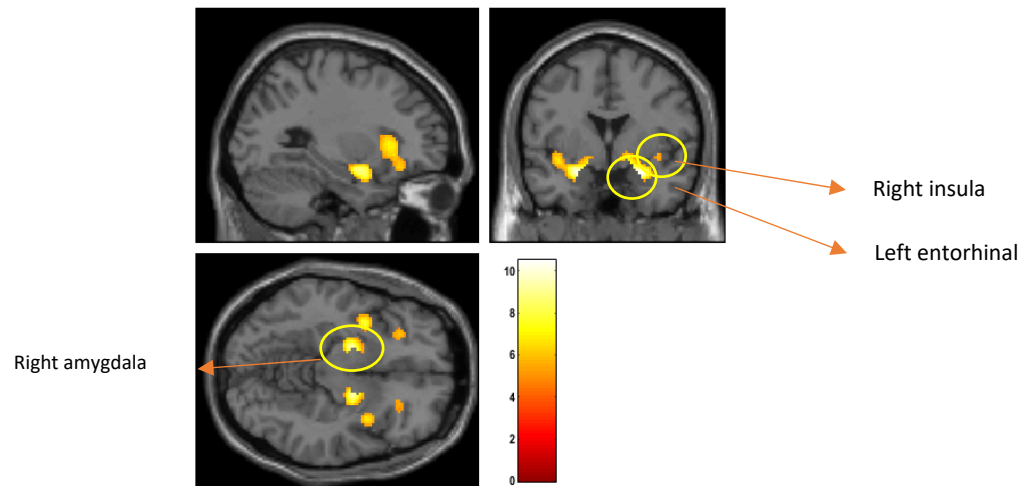
One sample t-test was done to look at the mean activation for WB associated odors (vanilla + soap), using valence score as covariate. Contrast chosen was odor (ON) > odorless air (OFF). Results reported at  $p \text{ FWE} < 0.05$ .



k	T value	x y z	region
3629	9.77	-26 2 -18	Left dorEntorhinal
2567	9.45	24 -2 -14	Right amygdala
1128	8.15	-6 16 50	Left frontal Eyefields
236	6.32	-2 -14 6	Left thalamus
21	5.42	46 48 12	Right ant prefrontal cortex

### Neutral odors

One sample t-test was done to look at the mean activation for neutral odors (sheets + grass), using valence score as covariate. Contrast chosen was odor (ON) > odorless air (OFF). Results reported at  $p \text{ FWE} < 0.05$ .



k	T value	x y z	region
510	10.50	26 2 -18	Left dorEntorhinal
1154	10.12	-24 2 -18	Right amygdala
507	7.99	32 26 0	Right insula
32	5.42	-6 16 52	Left frontal Eyelids