Unconscious Face Processing Evokes Activity in the Right Anterior Fusiform Gyrus
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RESULTS

Unmasked Presentation
A random-effects contrast revealed several distinct regions where peak activation was significantly greater for Faces than for Objects. These regions included:

- The Right Fusiform Gyrus (R-FFG)
- The Right Posterior Superior Temporal Sulcus (R-STS)
- The Right Amygdala (R-AMY)
- Bilateral Parahippocampal Gyri (PHG)

Masked Presentation
A random-effects contrast revealed a distinct region in the Right Fusiform Gyrus where peak activation was significantly greater for Faces than Objects.

By exploring face-specific voxels identified on a subject-by-subject basis in the unmasked condition, we were able to measure activity from these same voxels during masked presentation.

CONCLUSIONS

- Masked presentation of faces and objects reveals unconscious face processing in the Right Fusiform Gyrus
- Brief, but unmasked, presentation of faces and objects reveals distinct brain regions that show a preference for faces.