Study identifies neuronal basis of impaired consciousness in 'absence' epilepsy

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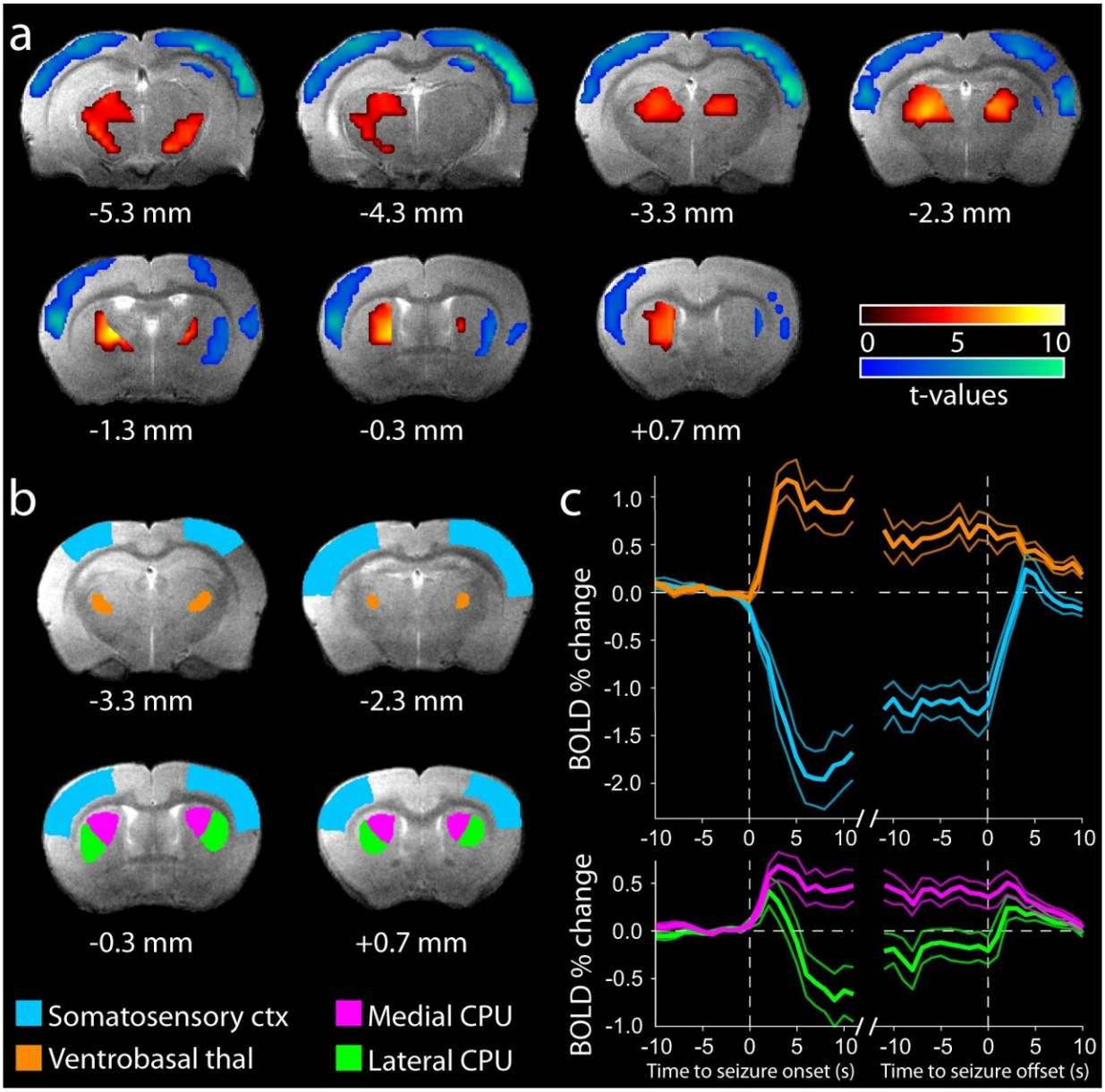

BOLD fMRI signals associated with SWDs in GAERS resemble human absence epilepsy. **a** Statistical Parametric Mapping (SPM) analysis of spike-wave discharge (SWD)-associated changes in blood-oxygen-level-dependent (BOLD) signal. Cortex shows mainly functional magnetic resonance imaging (fMRI) decreases (cool colors), whereas the thalamus shows fMRI increases (warm colors). Values on both color scales indicate the magnitude of increases (upper scale) and decreases (lower scale). T maps are superimposed on coronal anatomical images from the template animal, with FDR corrected threshold *p*