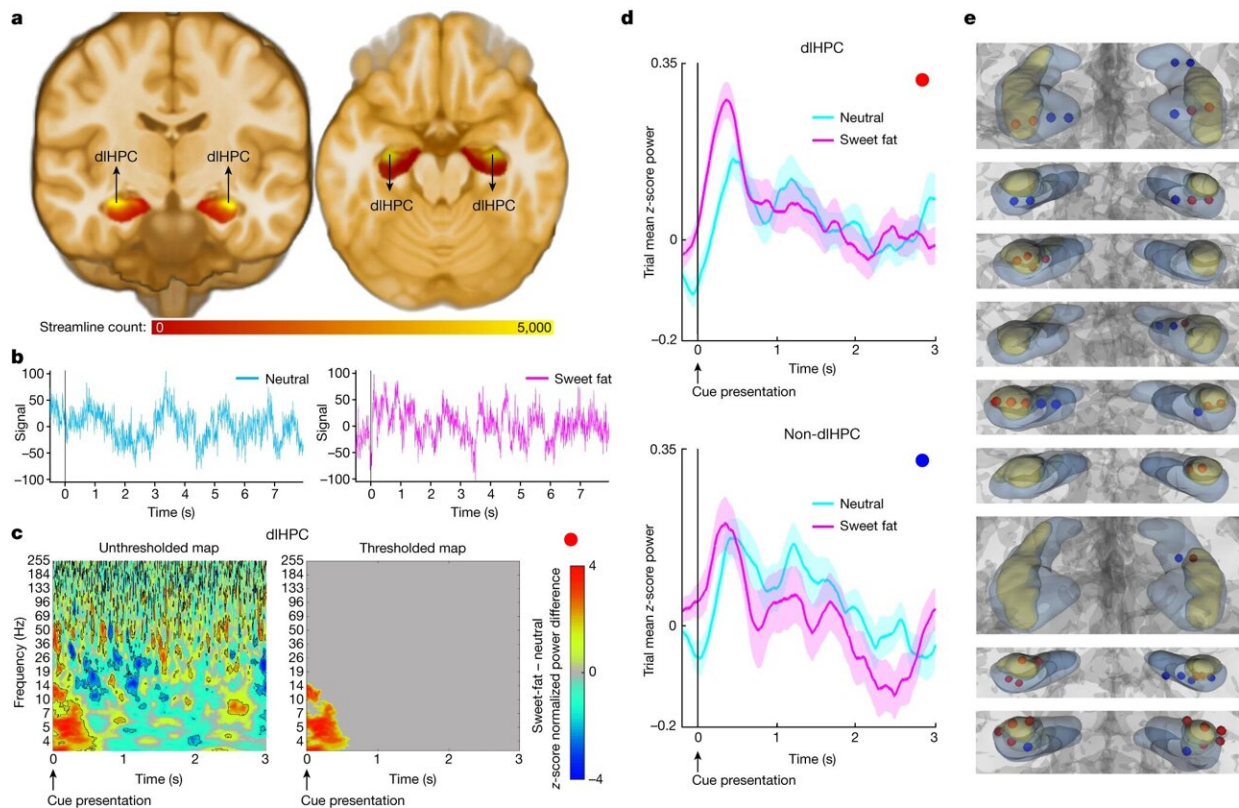


# Researchers identify the link between memory and appetite

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dlHPC subregion involvement in food-related appetitive processing. **a**, Tractography analysis of high-resolution, normative data from 178 participants from the HCP showing that tractography-defined LH–hippocampal area interconnections (that is, streamlines) converge in the dlHPC (yellow). **b**, Example traces of electrophysiological time-domain recordings from the dlHPC in one individual during a taste-neutral (left, cyan) and a sweet-fat (right, magenta) trial. The time interval displayed includes the pre-cue period (–0.5 to 0 s), cue presentation (0–1 s), fixation cross (1–3 s), solution delivery (3–5 s),

fixation cross (5–6 s) and a portion of the remaining duration of solution receipt/consummatory phase (6–7.5 s). The detailed task paradigm is described in Supplementary Fig. 1. **c**,  $z$ -score-normalized difference spectrograms (sweet-fat minus taste-neutral solution) in the dlHPC. The color bar indicates mean  $z$ -score power difference (using pooled channels as observations) between the two conditions compared with a null distribution. The outlined clusters (left) reflect significant contiguous time–frequency voxels ( $P$

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