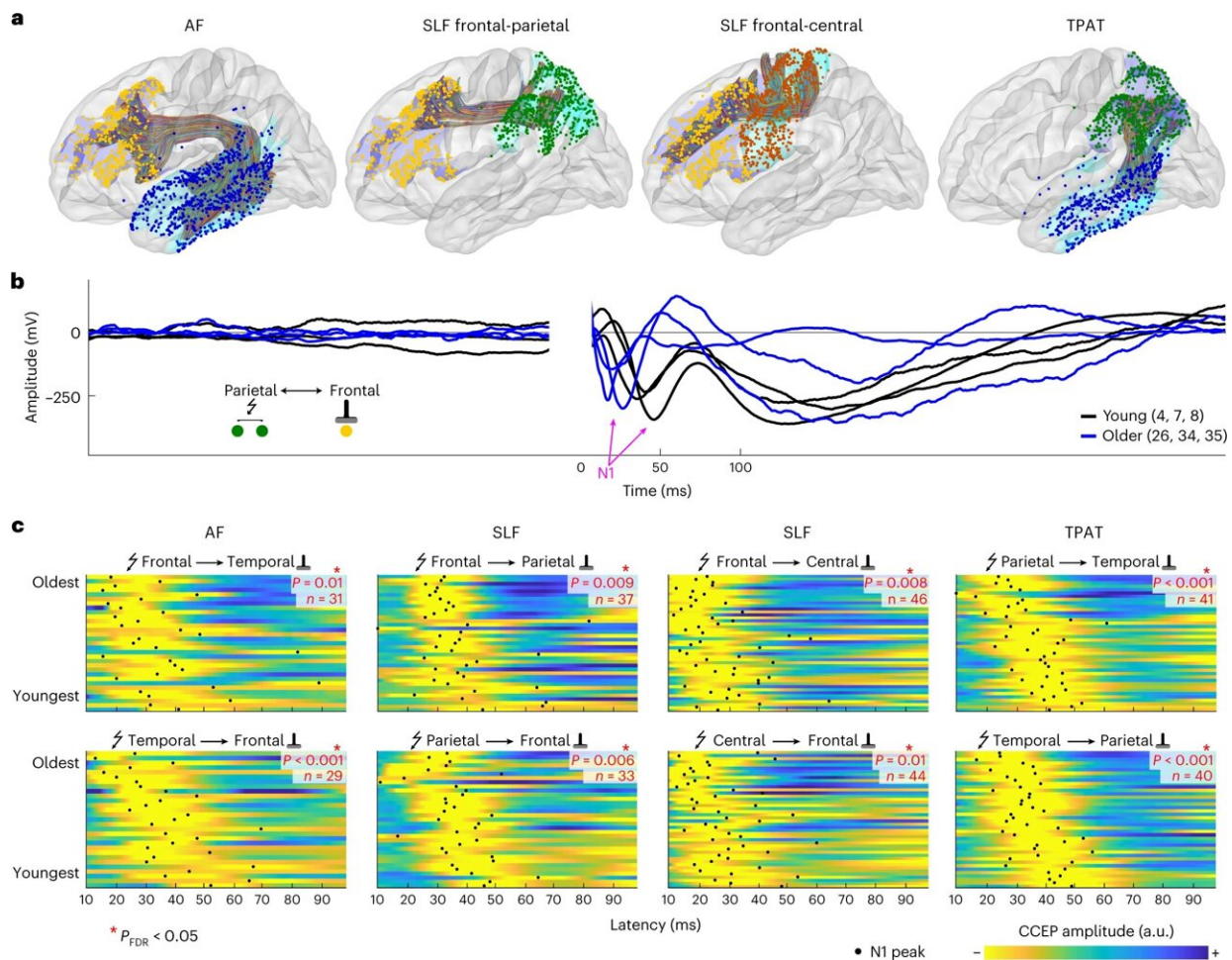


# Mental decline comes later than previously thought, finds study

March 21 2023



Electrode positions, fiber tracts and evoked potentials. **a**, MNI brain surface showing white matter tracts and electrode positions at endpoints from all 74 subjects. **b**, CCEPs from young subjects (black lines, 4, 7 and 8 years old) and older subjects (blue lines, 26, 34 and 35 years old) across the SLF frontal-parietal tract after parietal stimulation. The N1 peak is indicated by a magenta

arrow. **c**, CCEP responses for all subjects and their N1 peak latency (black dots), organized by age for each white matter tract and direction. CCEPs are unit length normalized and yellow indicates the largest negative deflection. A red asterisk indicates a significant negative correlation between age and N1 latency (Spearman's  $\rho$ , two-sided,  $P$

Citation: Mental decline comes later than previously thought, finds study (2023, March 21) retrieved 18 June 2024 from <https://medicalxpress.com/news/2023-03-mental-decline-previously-thought.html>

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