

## Integration of human faces and voices: An event-related potential study of person identity priming

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The goal of the present study was to investigate auditory and audio-visual person recognition. In the unimodal condition, two successive voices (S1-S2) of the same or of two different persons were presented. In the crossmodal condition, the S1 consisted of a human face instead. Participants had to decide whether the S2 was from an old or a young person. Reaction times to the S2 were shorter when stimuli were person-congruent, both in the uni- and crossmodal condition. ERPs recorded to the person-incongruent S2 revealed an enhanced negativity at early (N100) and later processing stages (250-450 ms) in the crossmodal condition. The second negative effect was seen in the unimodal condition as well. These results suggest that auditory and visual features characterizing a person interact at early perceptual and later semantic processing stages.