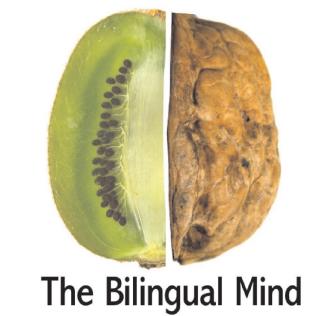


BILINGUAL FREEDOM: on word order processing





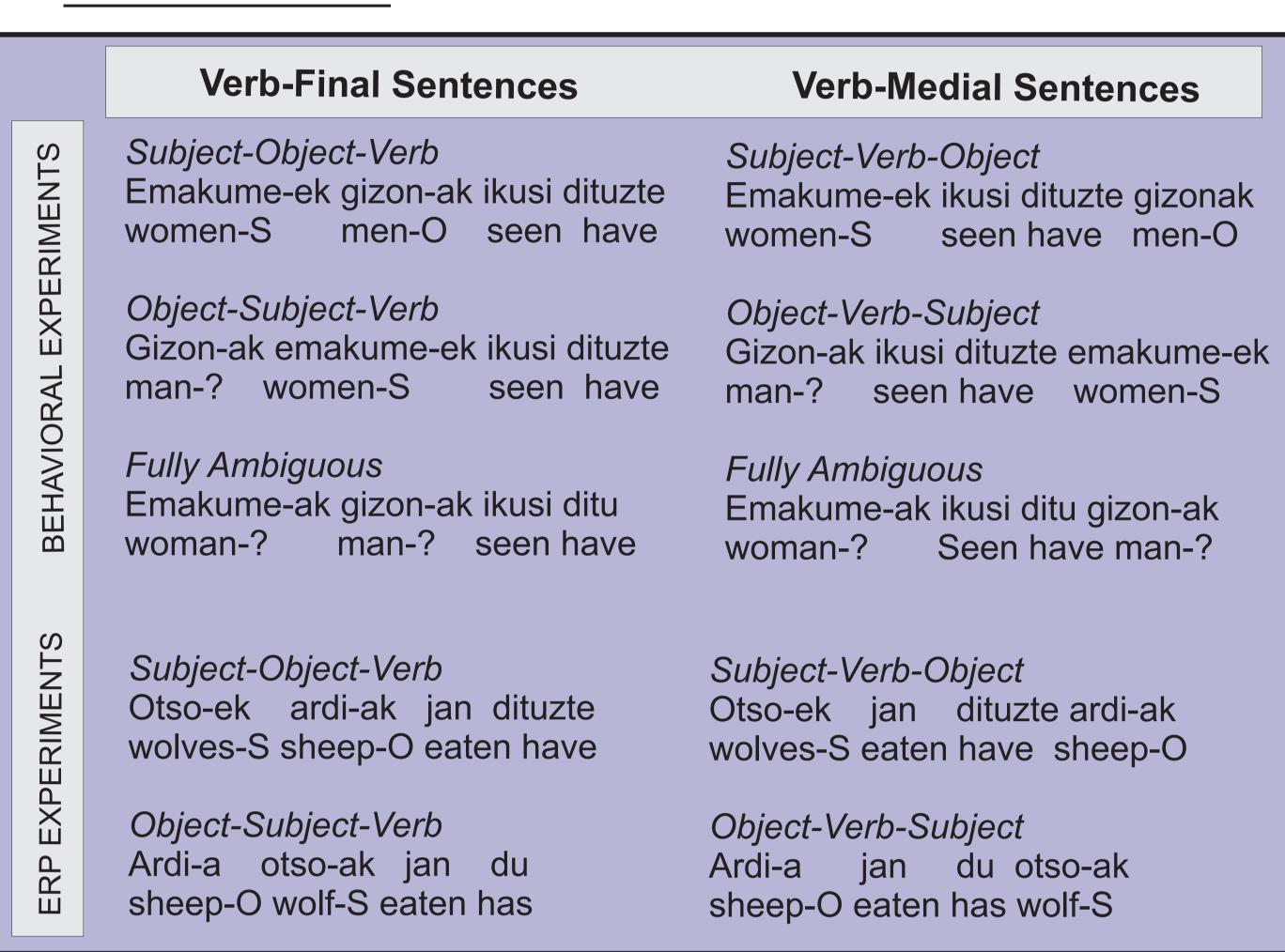
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1. Introduction

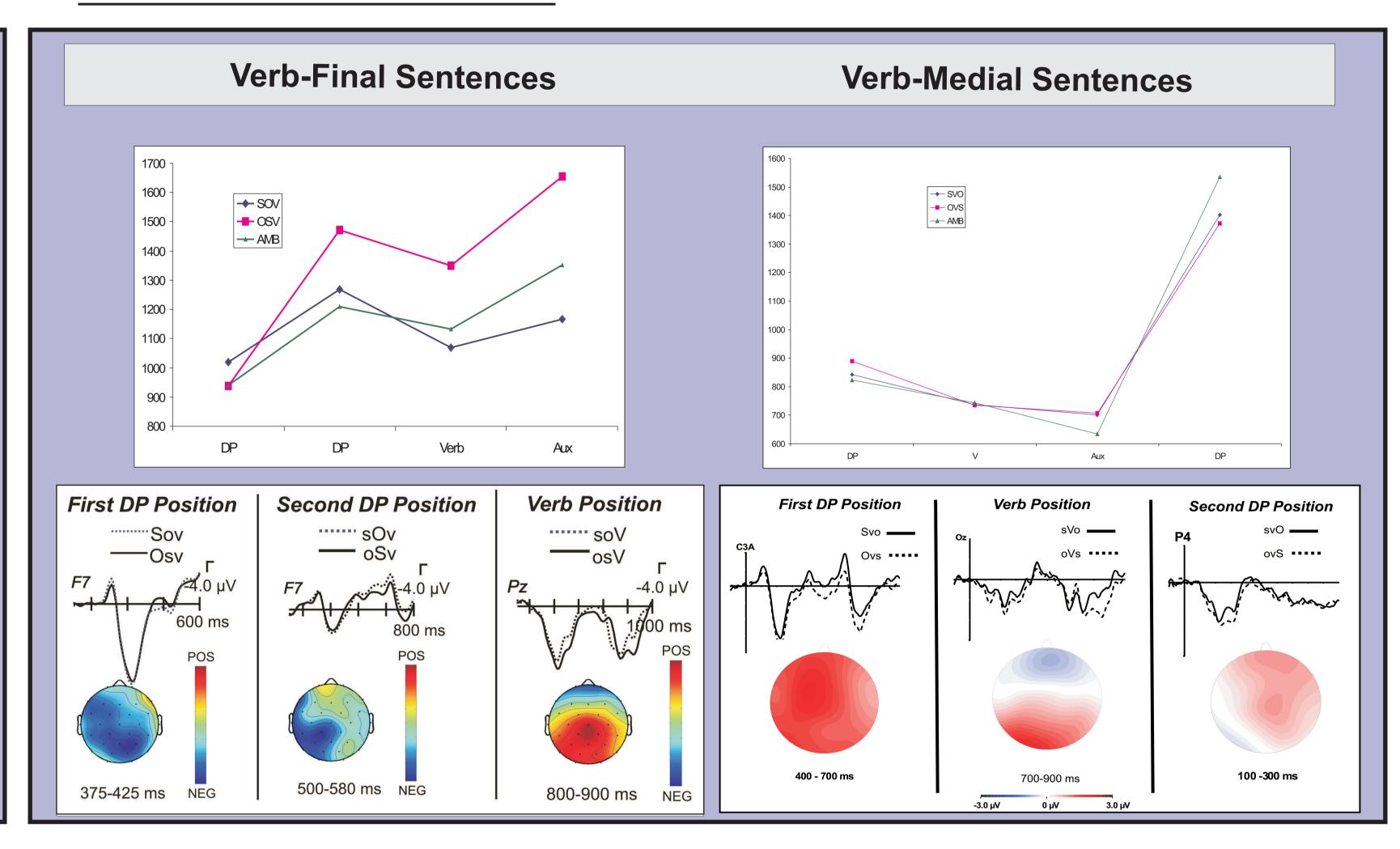
Age of acquisition and proficiency, together with structural similarities and disimilarities between bilinguals' L1 and 2 are crucial factors in the research of the neural basis of bilingualism. We present results from a series of behavioral and ERP experiment investigating processing preferences in highly proficient L1Spanish/L2Basque bilinguals (AoA=3).

Spanish is head-initial/canonical SVO while Basque is head-final/canonical SOV although both languages allow a certain degree of freedom in surface sentences word order. Our study aims to ascertain whether the L1 of the bilinguals has an impact on their L2 processing, as would be revealed if an SVO processing preference obtained in non-natives, as opposed to the SOV preference displayed by natives [1].

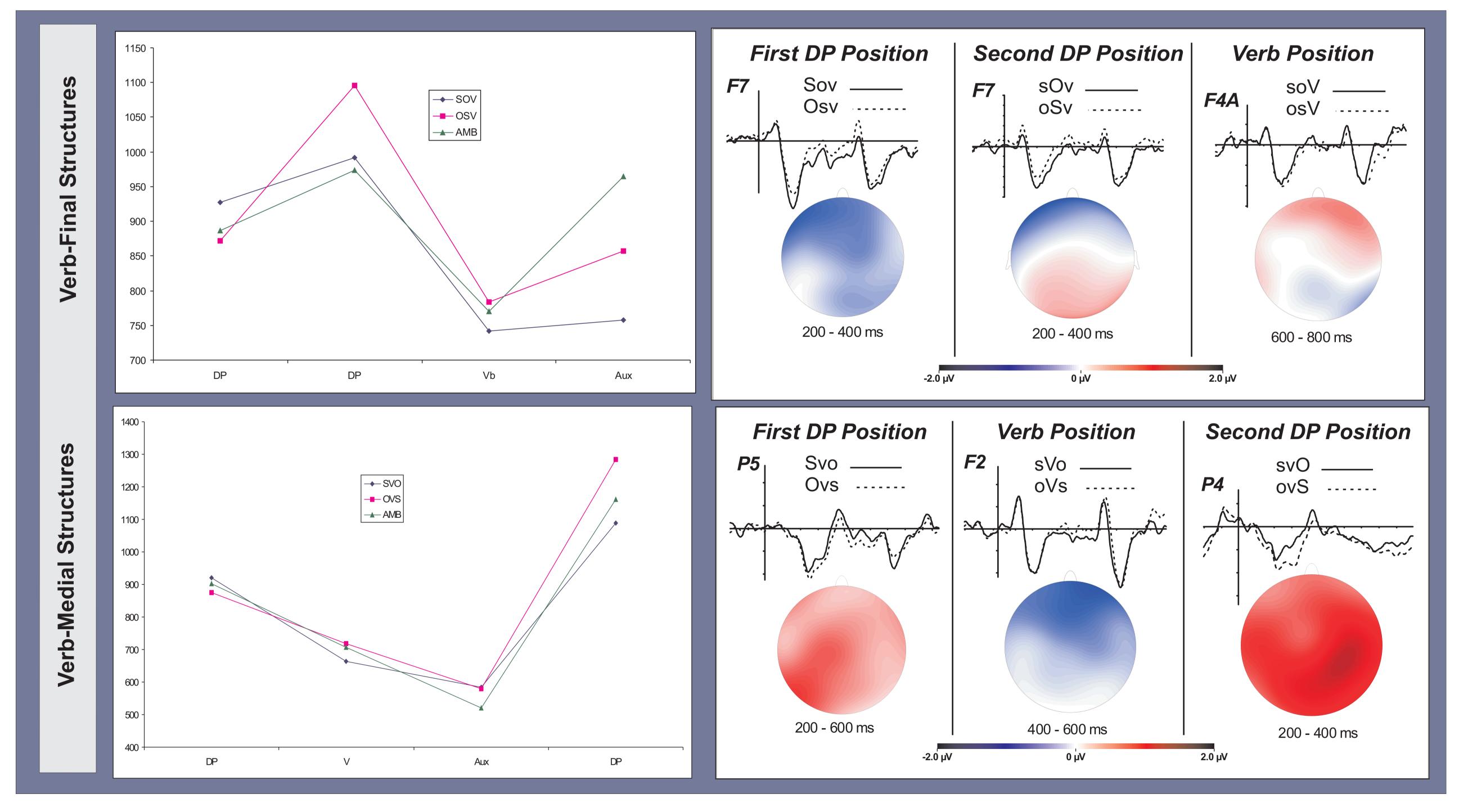
2. Materials



3. Previous Results



4. Results: Non-Native Speakers of Basque



5. Discussion

Athought the word order is relatively free in Basque, previous results showed that native Basque speakers favoured canonical SOV word order over derived OVS, SVO and OVS word orders [1,2,3]. These results, together with results in other languages, entail universal processing mechanisms, independent on parametric specifications of the grammar [1].

Regarding non-native speakers, the results are equivalent to those found for natives; thus, proficient L2 bilinguals process sentence word order like natives, despite the different setting of their L1, and this is the case even when the canonical L1 order (SVO) is tested in L2. No signs of linguistic transfer from L1 to L2 is detected regarding this aspect of language processing. Spanish native speakers are free from their first language word order restrinctions when processing Basque word order permutations.

6. References

- [1] Erdocia, K., Laka, I., Mestres-Misse, A., Rodriguez-Fornells, A. 2009. Sintactic complexity and ambiguity resolution in a free word order language: behavioral and electrophysiological evidences from Basque.
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 [3] Laka, I., Erdocia, K. In Prep. Subject-First strategy is language dependent.

7. Aknowledgements

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