

## **TWO LANGUAGES IN ONE BRAIN**

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A critical and long standing research question in the field of bilingualism is how two languages are represented in the bilingual mind and in the bilingual brain. A common semantic representation is nowadays accepted, while a lot of research also suggests a shared lexical representation. I will describe results advocating a non selective cognitive architecture that can operate selectively under some circumstances, and how this cognitive architecture is modulated by the age of acquisition, input (comprehension vs. production) and language modality (two oral languages or the combination of an oral and a signed language). Furthermore, I will address the extent to which there is a neural overlap between the two languages considering the results of recent decoding approaches, whether the neural co-activation of the two languages depends on age of acquisition, input and modality, and whether the cognitive and neural findings regarding the representation of the two languages align.