

The background features a white canvas with scattered black dots of various sizes. Large, organic, wavy shapes in teal, orange, and light pink are positioned around the edges, creating a modern, artistic feel. The text is centered in a bold, black, sans-serif font.

# **Language, Memory, and Brain Lab (Behavioural)**

**Dr. Elisabet Service**

# What do we study?



## Language

- Second and third language learning
- The role of time and rhythm in language acquisition



## Memory

- How does memory work with language?



## Brain

- Neural responses to learning, expectation, and syntactic violations
- Recording brain activity to changes in perceived rhythm of language cues

01

# Second Languages

The effects of a second language in simulated negotiations.



# Second Language Use in Negotiations

An individual who uses a second language during simulated negotiations...

1. Shows **lower** emotional reactivity. i.e. they are able to think rationally.
2. Shows **increased** risk-taking behaviour when it comes to making an economic decision.
3. Emphasizes the **outcome** (rather than the intention) when evaluating the morality of a scenario.



02

# Memory

The role of time and rhythm domains in short term memory.



“Basbousa”



“Meet me at our spot”

Tyler Cole, THE ANXIETY and Willow

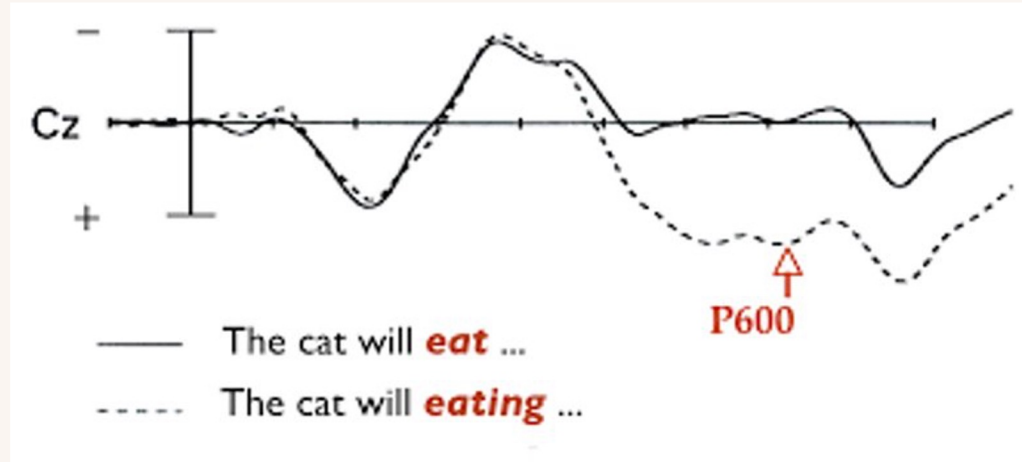
# Time and Rhythm in Language

The better we are at **mimicking the time structure** of incoming information, the better we will be at **remembering that information**



# Expectation & Patterns

The role of P600 as a measurable response to expectation and learnability.



- ENTRAINMENT

# Thank you!

For more information, check out:



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