## The functionalists / phenomenologists

Morin, Hurlburt, Fernyhough, Bergounioux, Philippe, Smadja Functions and phenomenology of inner speech

## The anaesthetists

Dodge, Smith Motor system ≠ verbal thought

## The psycholinguists

Levelt, Oppenheim, Dell, Baddeley, Reisberg Errors and monitoring during inner speech

# The introspectors

Egger, Stricker, Ballet, Taine, Bastian, Paulhan, Saint-Paul, Ombredane, Charcot Sensory vs. motor images

## The psychophysiologists

Reed, Max, Jacobson, Sokolov, McGuigan, Cohen, Locke, Netsell Muscular and electromyographic correlates of inner speech, chronometry

1850 1900 1950 2000 2020

## **Soviet Psychology**

Vygotsky, Blonsky, Teplov, Leontiev, Ananiev, Luria, Sokolov Development, relation between thought and language

## The neurocognitivists

Feinberg, Frith, Tian & Poeppel, Lœvenbruck et al., Alderson-Day & Fernyhough Motor control applied to inner speech

# The early psychologists / behaviourists

Watson, James
Thought and inner speech emerge from muscular activity

## The modern philosophers

Carruthers, Langland-Hassan, Vicente, Gregory, Wiley Consciousness, thought as action, predictive coding

#### The decoders

Martin et al., Kapur et al. Decoding inner speech (eCOG, sEMG)