The functionalists / phenomenologists Morin, Hurlburt, Fernyhough Functions and phenomenology of inner speech The anaesthetists Dodge, Smith The psycholinguists Motor system ≠ verbal thought Levelt, Oppenheim, Dell Errors and monitoring during inner speech The introspectors The psychophysiologists Egger, Stricker, Ballet, Reed, Max, Jacobson, Sokolov, McGuigan, Cohen, Locke Bastian, Paulhan, Saint-Paul Muscular and electromyographic correlates of Sensory vs. motor images inner speech 1850 1900 1950 2000 2020 **Soviet Psychology** Vygotsky, Blonsky, Teplov, Leontiev, Ananiev, Luria, Sokolov Development, relation between thought and language The modern philosophers Carruthers, Langland-Hassan, Vicente, Gregory Consciousness, thought as action, predictive coding The early psychologists / behaviourists Watson, James The neurocognitivists Thought and inner speech emerge from Feinberg, Frith, Tian & Poeppel, Lævenbruck et al. muscular activity Motor control applied to inner speech The decoders

Knight et al., Kapur et al.

Decoding inner speech (eCOG, sEMG)