

Comments on:

James Woodward

“Levels: What Are They
and What Work Do They Do?”

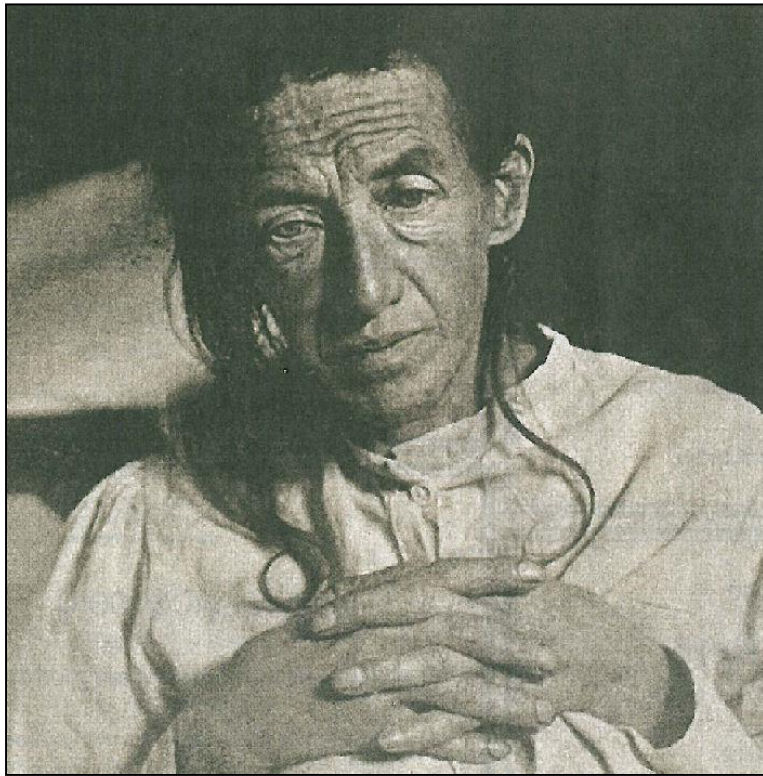
Levels of analysis

- 1) Composition
- 2) Subject matter
- 3) Abstractness/Coarseness
- 4) Causal interaction (within and between levels)

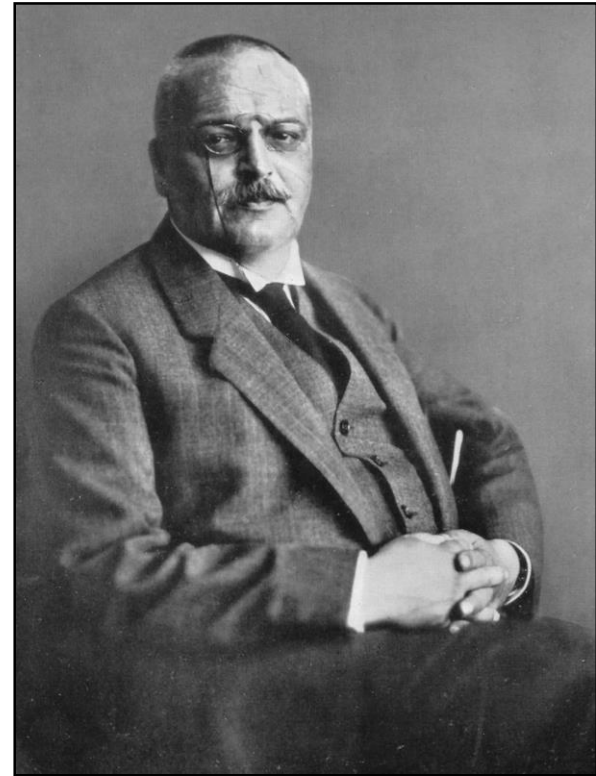
Criteria for level selection

- 1) *Invariance*: causal effect in >1 background
- 2) *Conditional independence*: some variables can be ignored
- 3) *Specificity*: cause is not linked to many effects (desirable?)

Story of a patient and a doctor

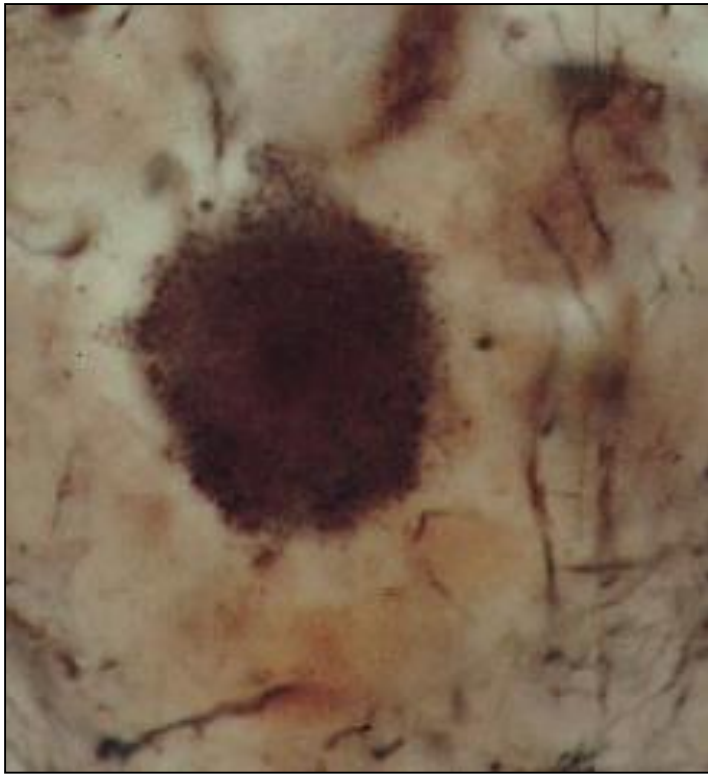


Auguste Deter (1850 - 1906)

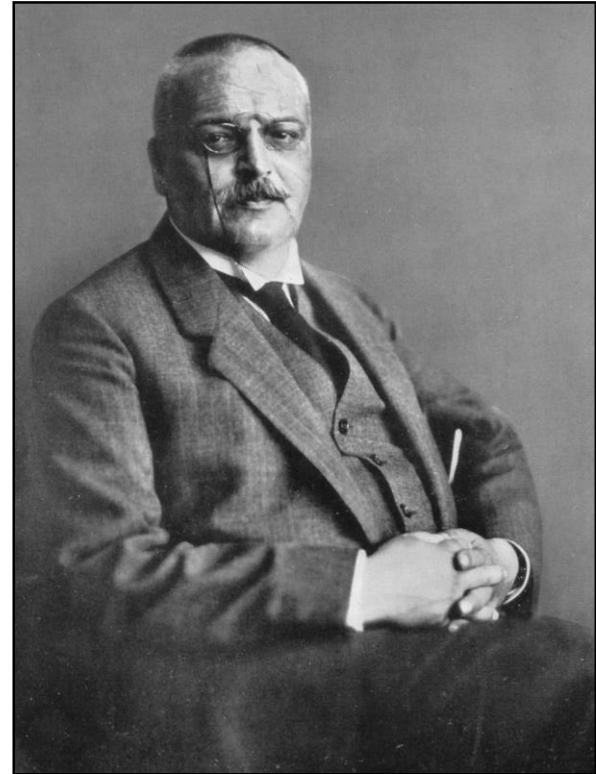


Alois Alzheimer (1864 - 1915)

Story of a brain and a doctor

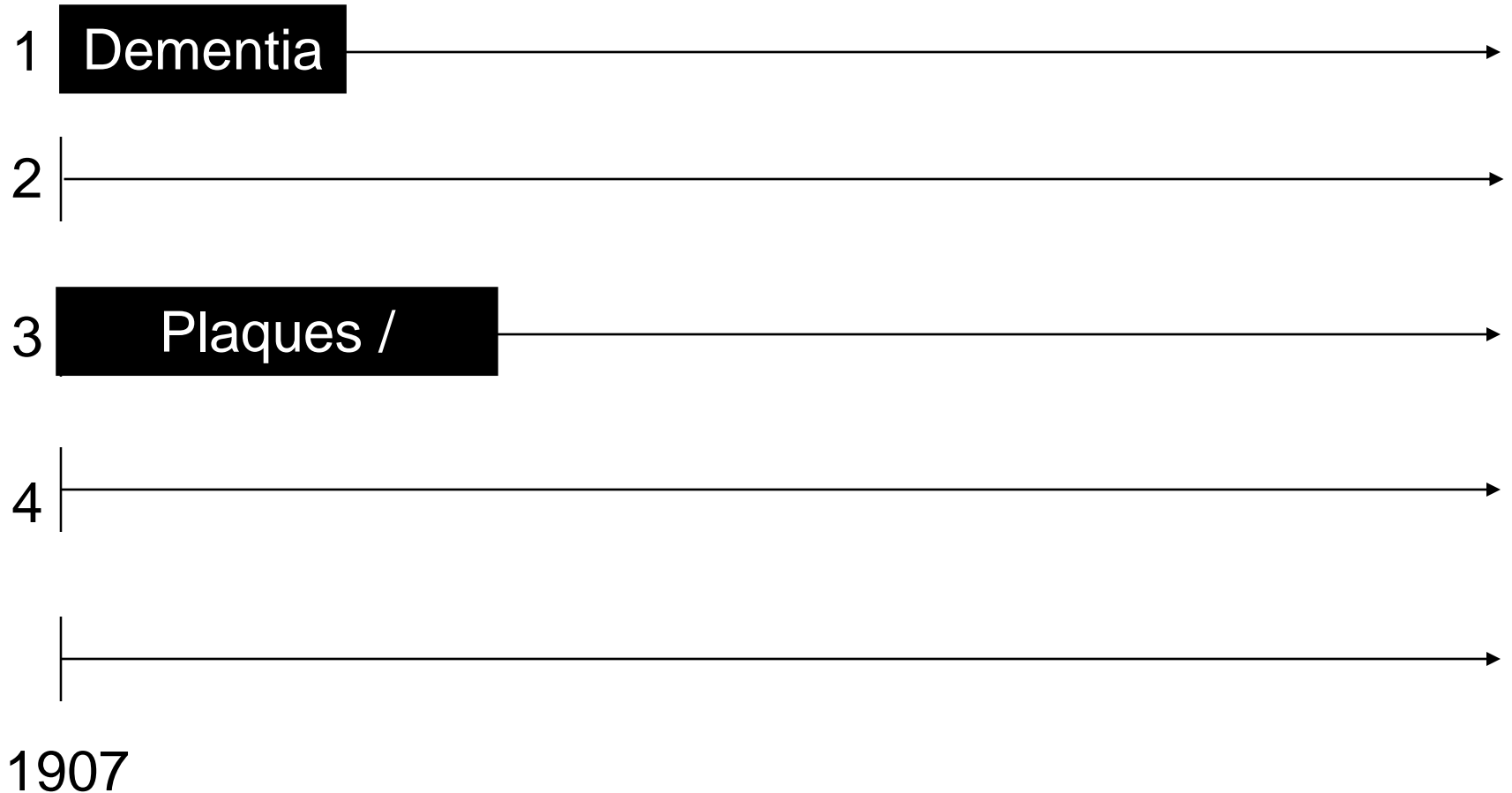


Alzheimer, A. (1907)
A Z P P-G M, 64: 146–148.

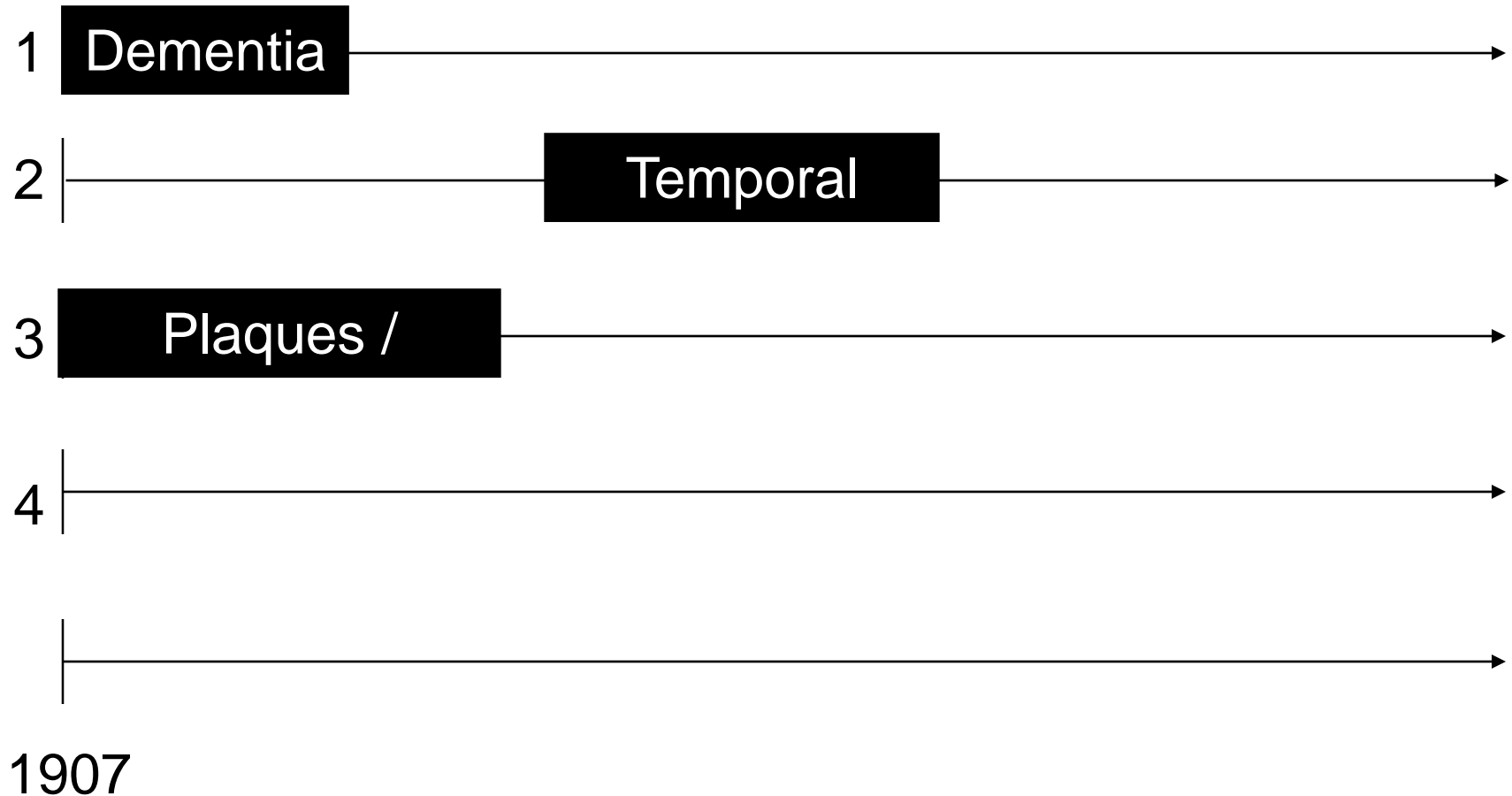


Alois Alzheimer (1864 - 1915)

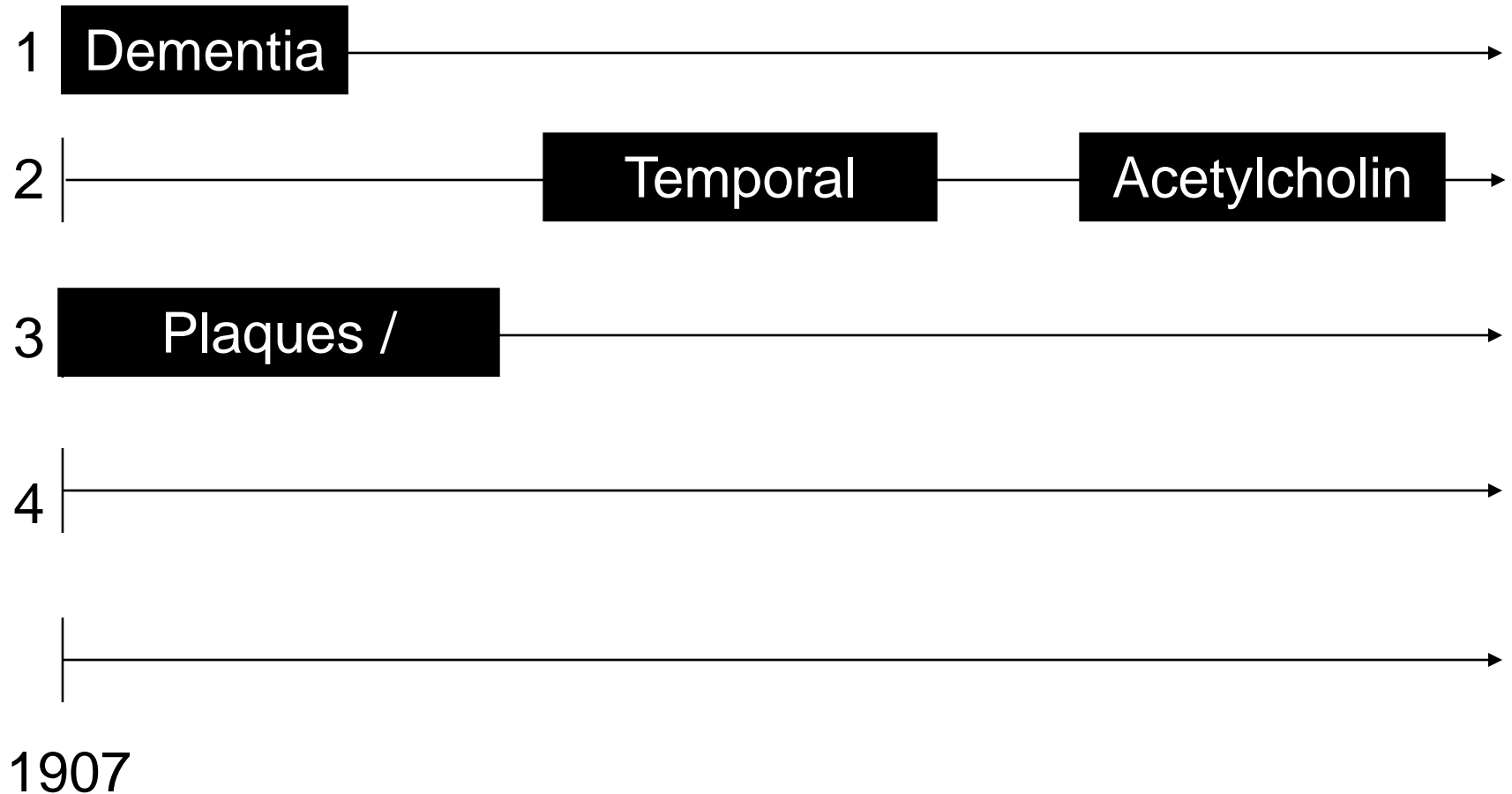
Levels of AD Research



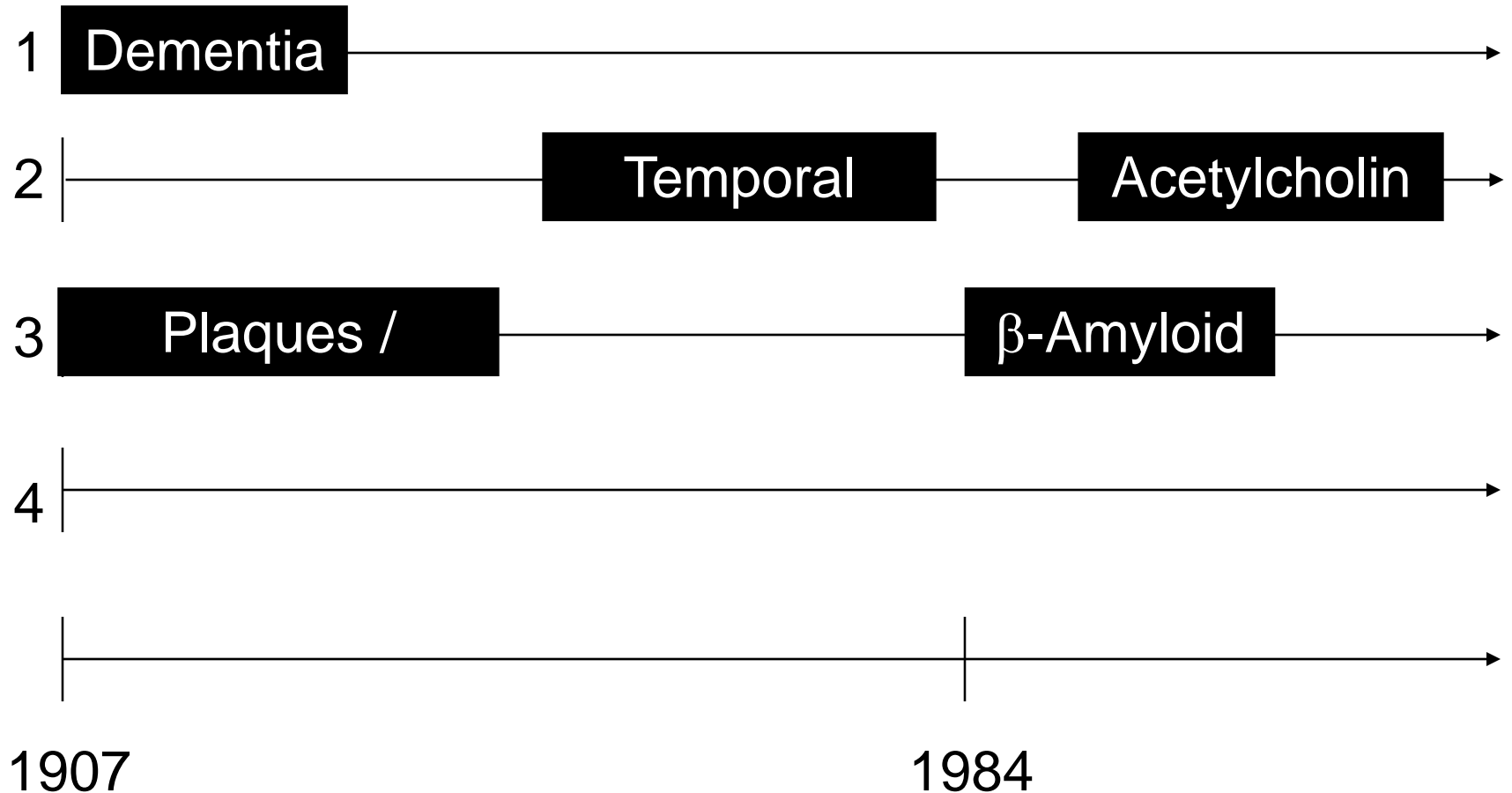
Levels of AD Research



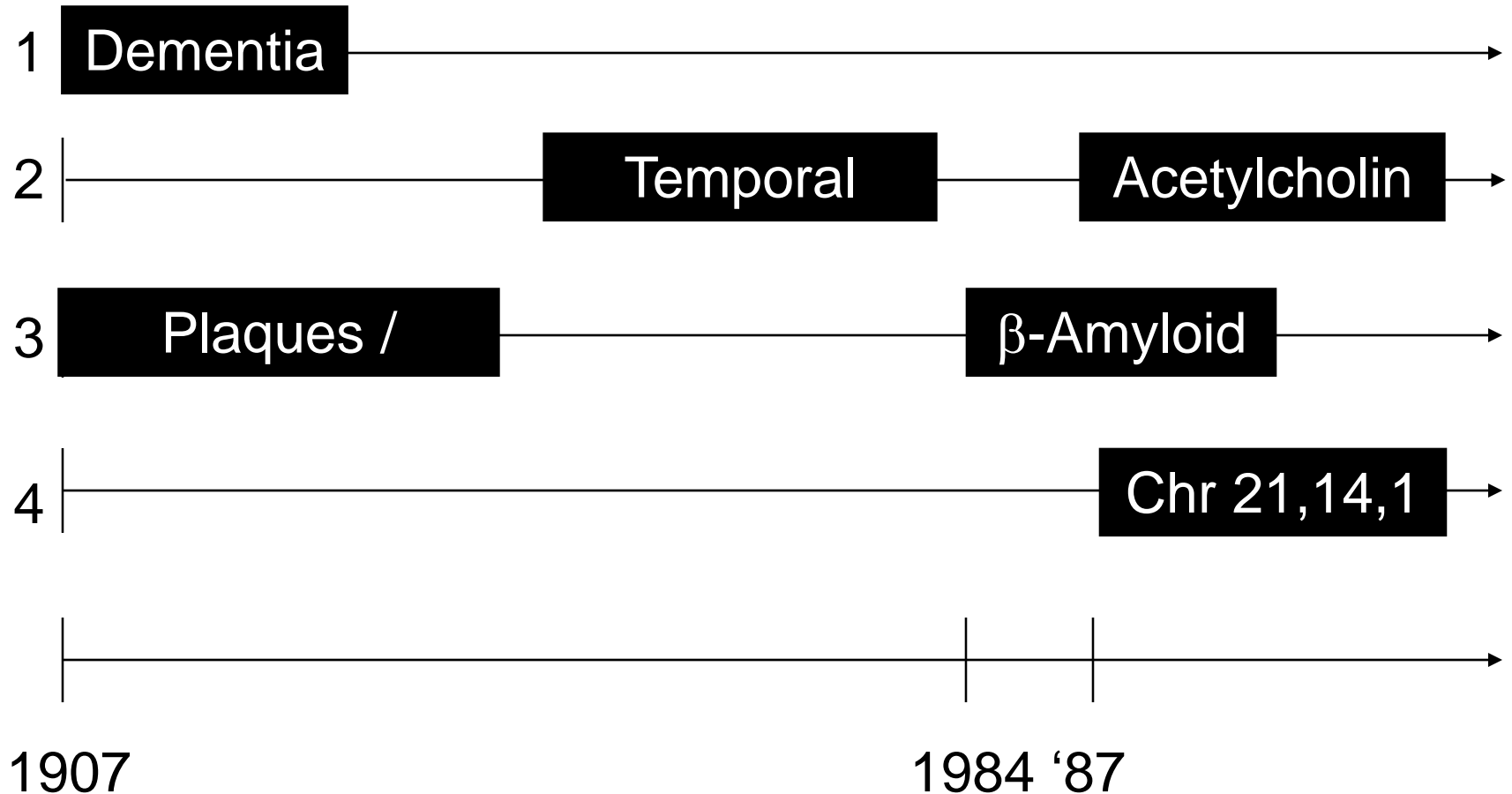
Levels of AD Research



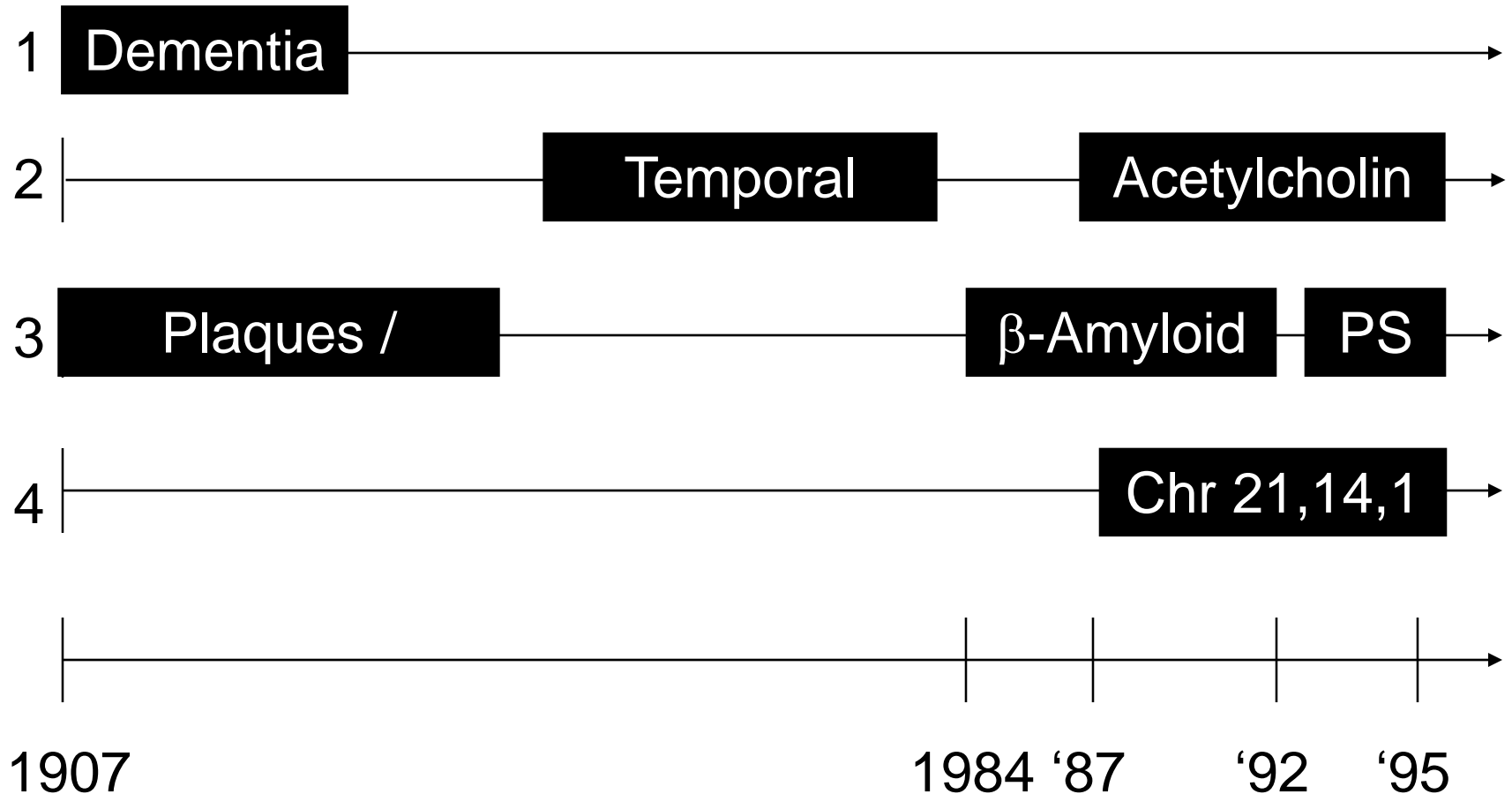
Levels of AD Research



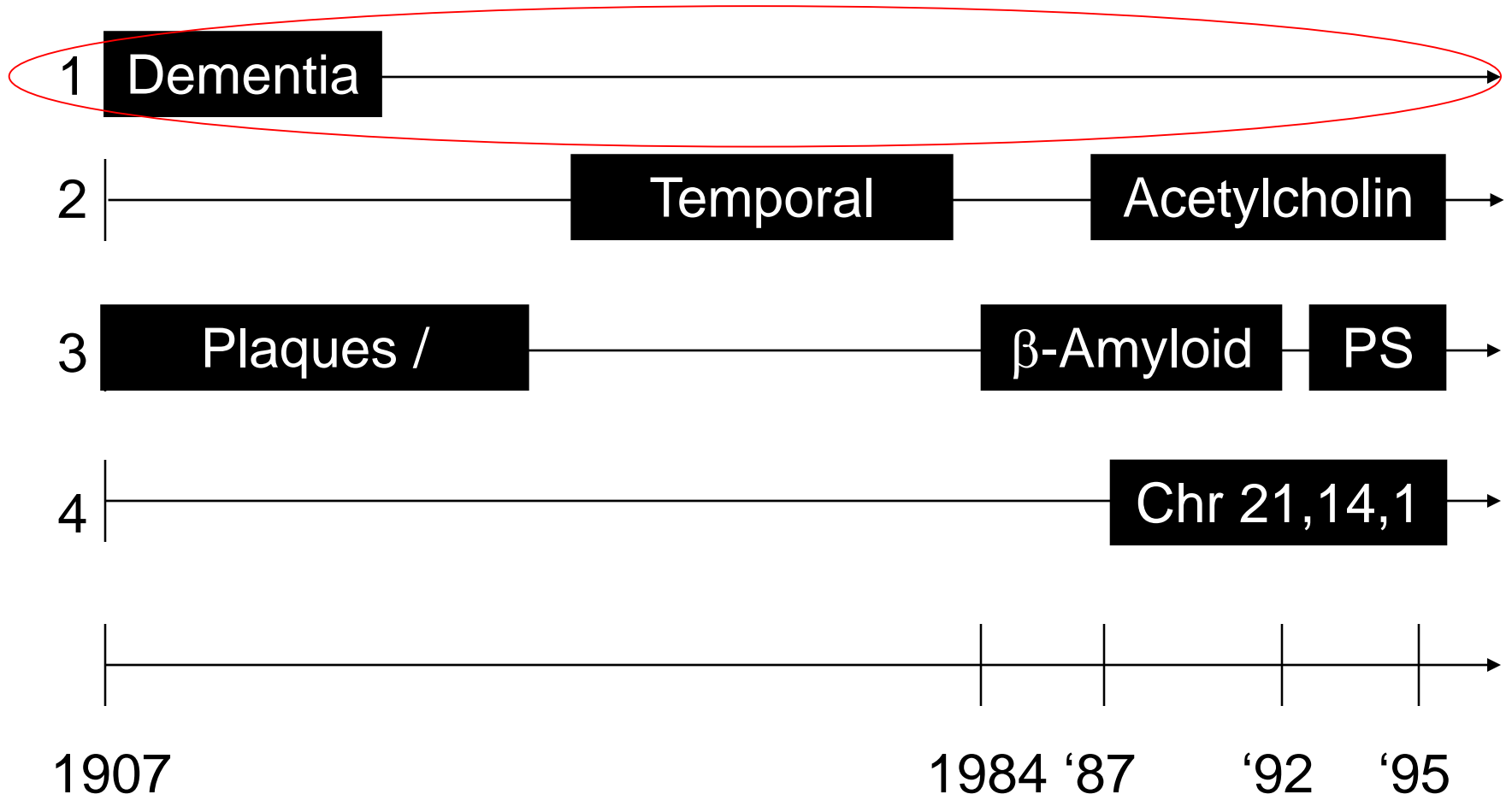
Levels of AD Research



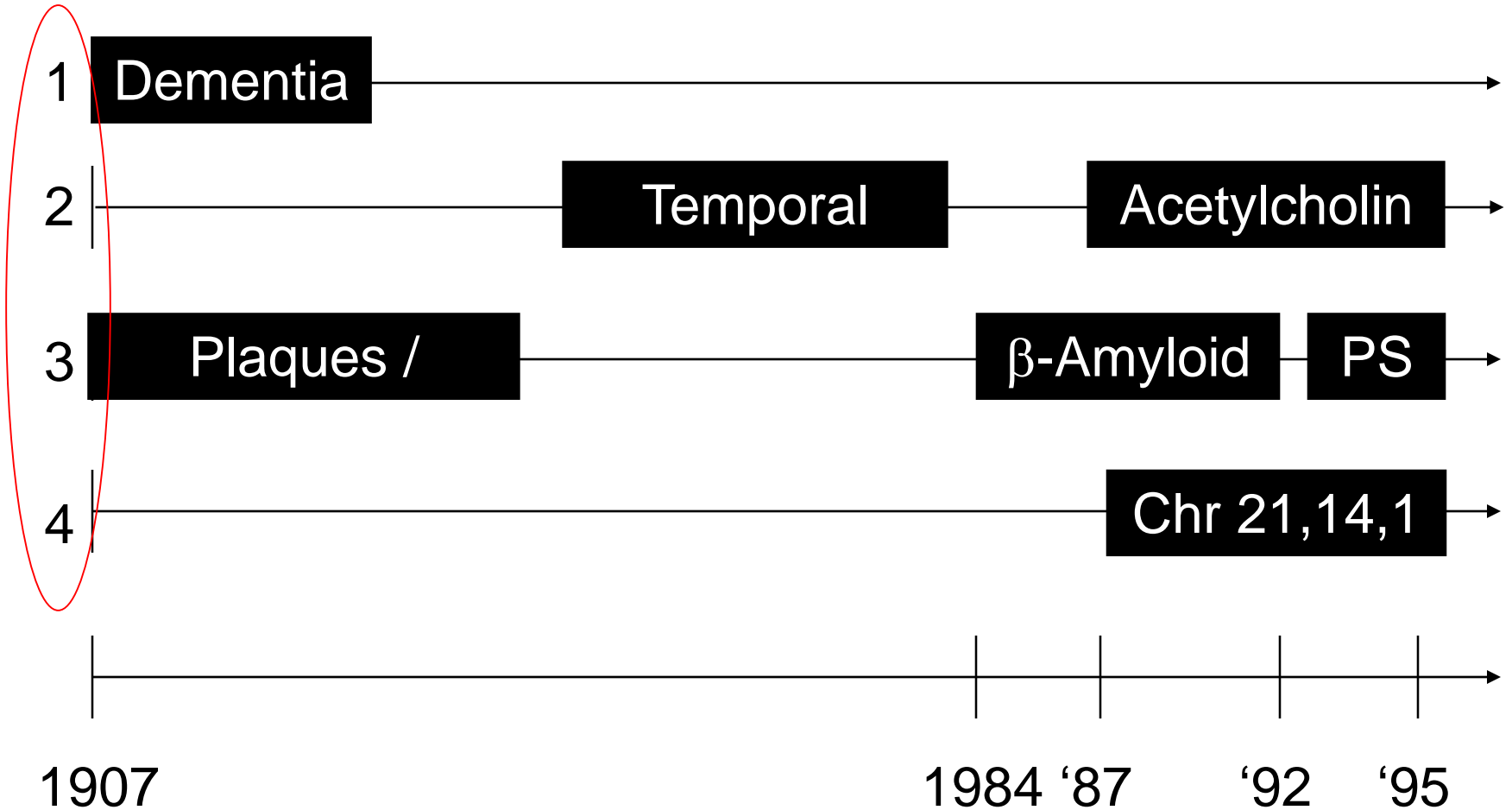
Levels of AD Research



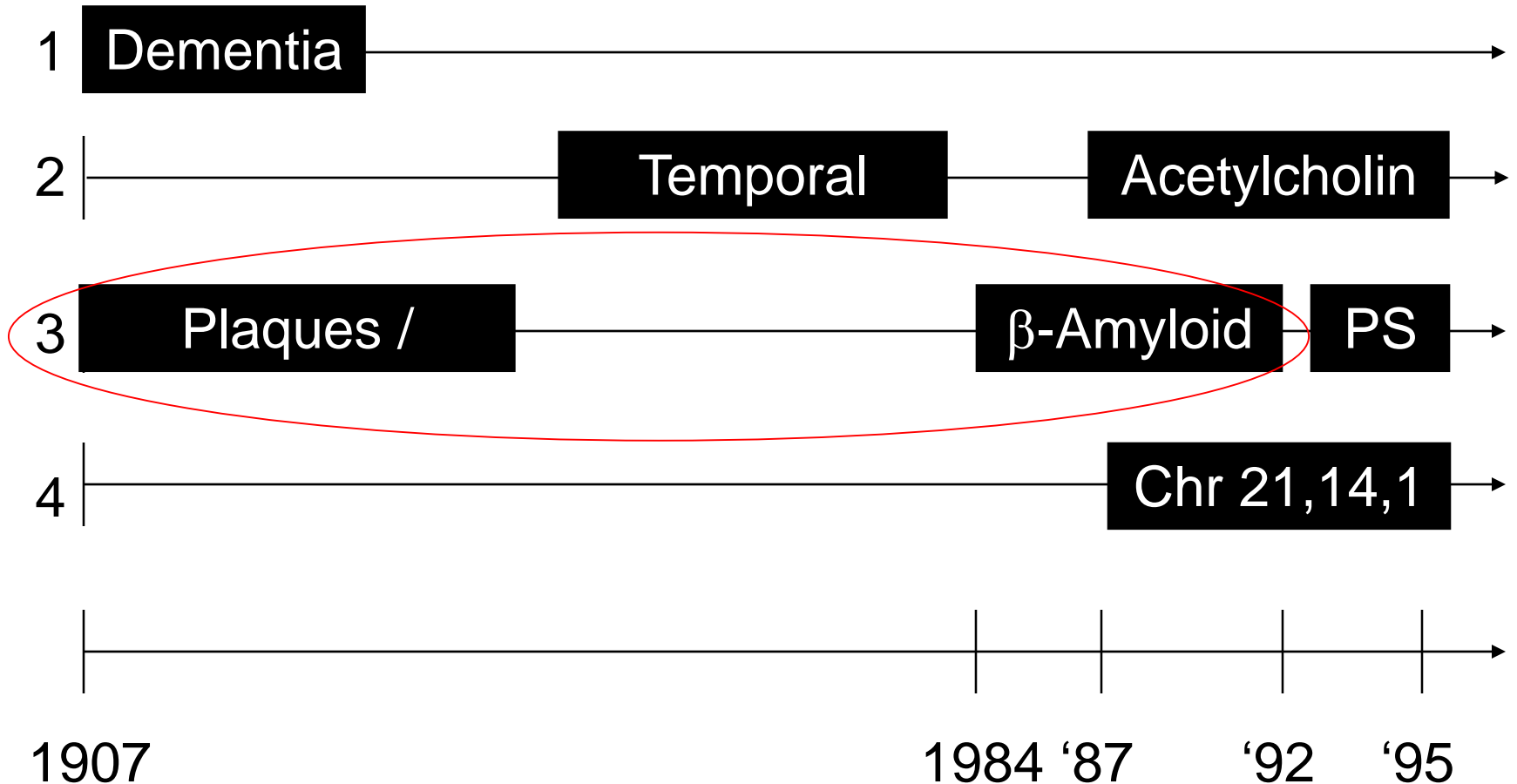
Levels: Subject matter



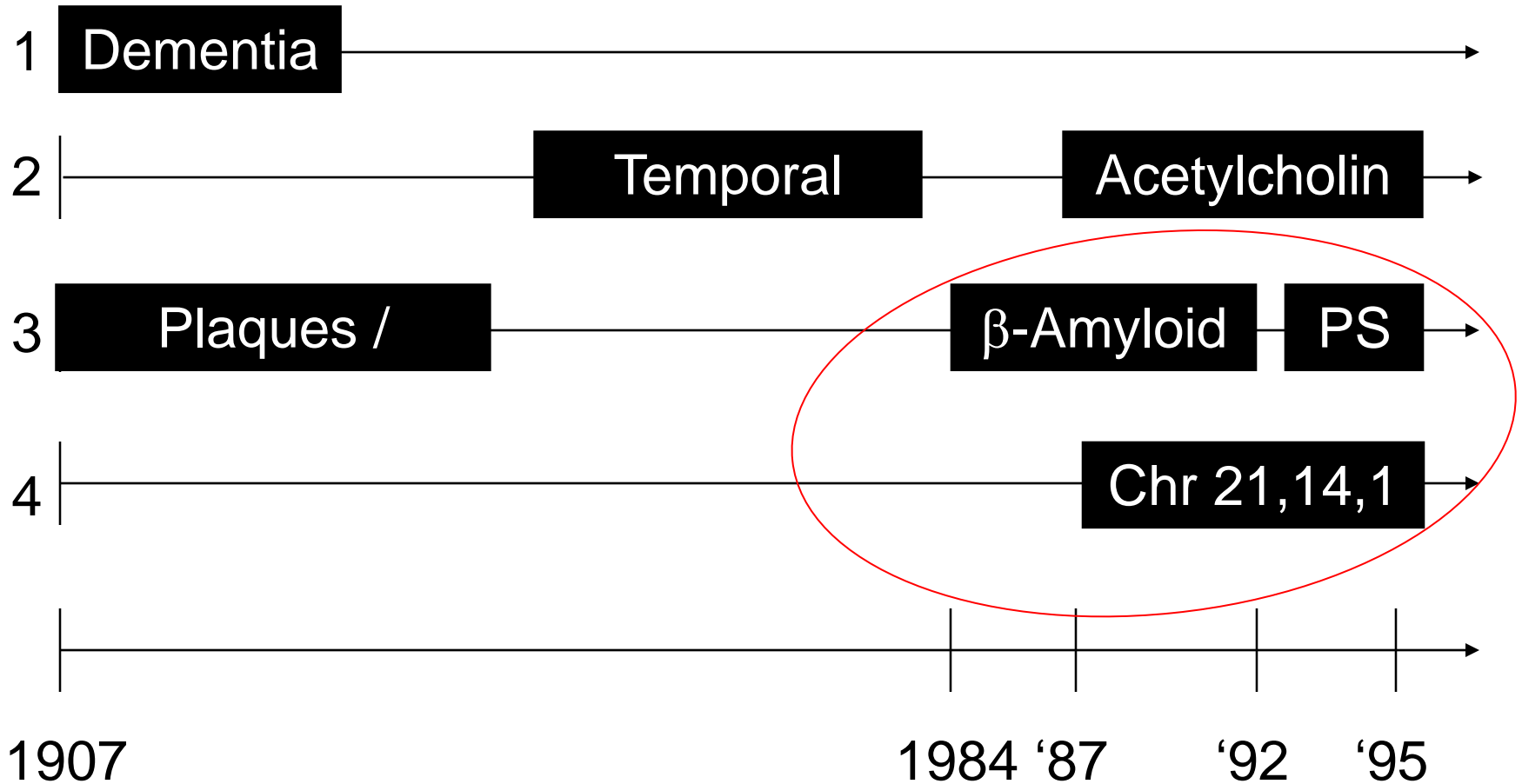
Levels: Abstractness



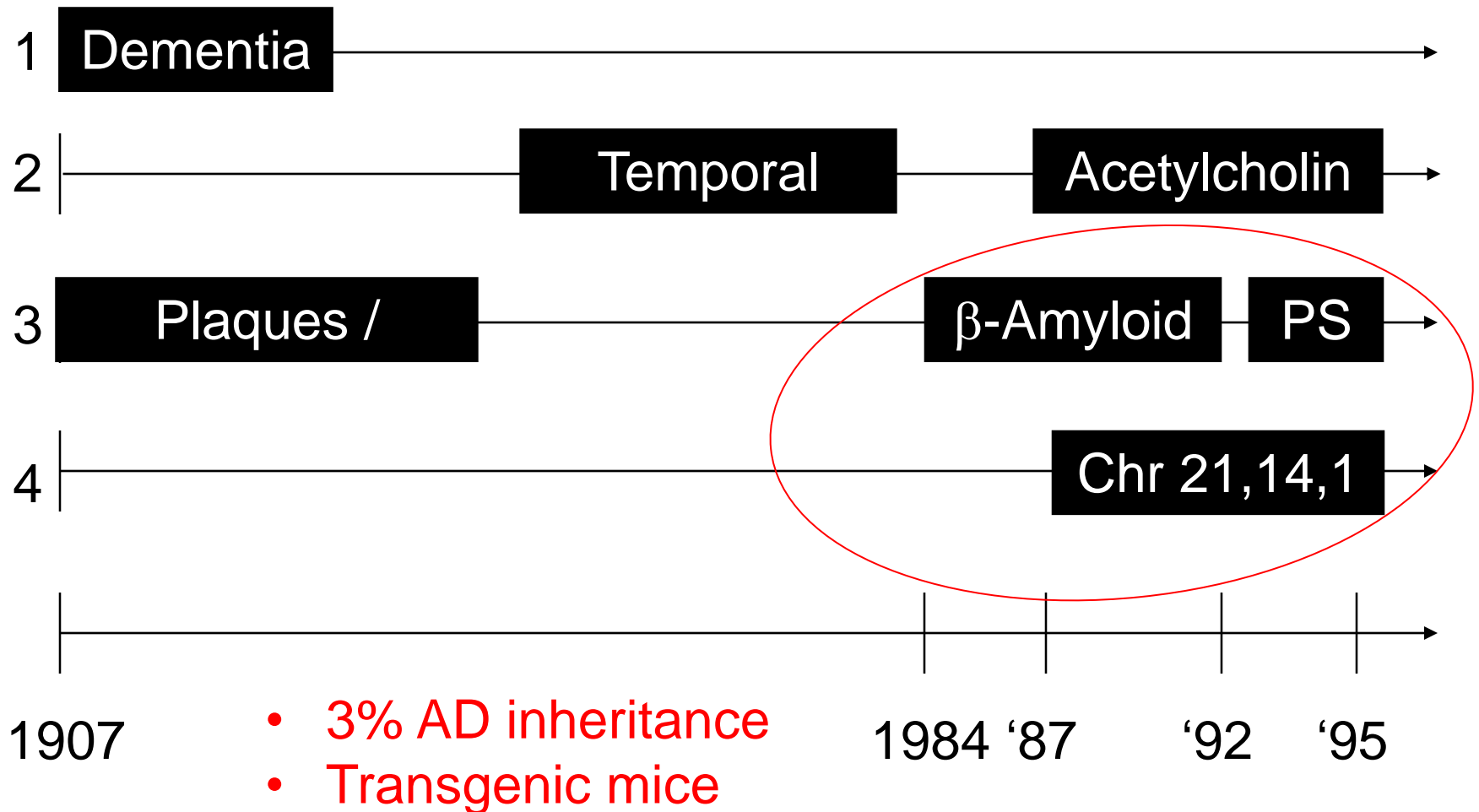
Levels: Composition



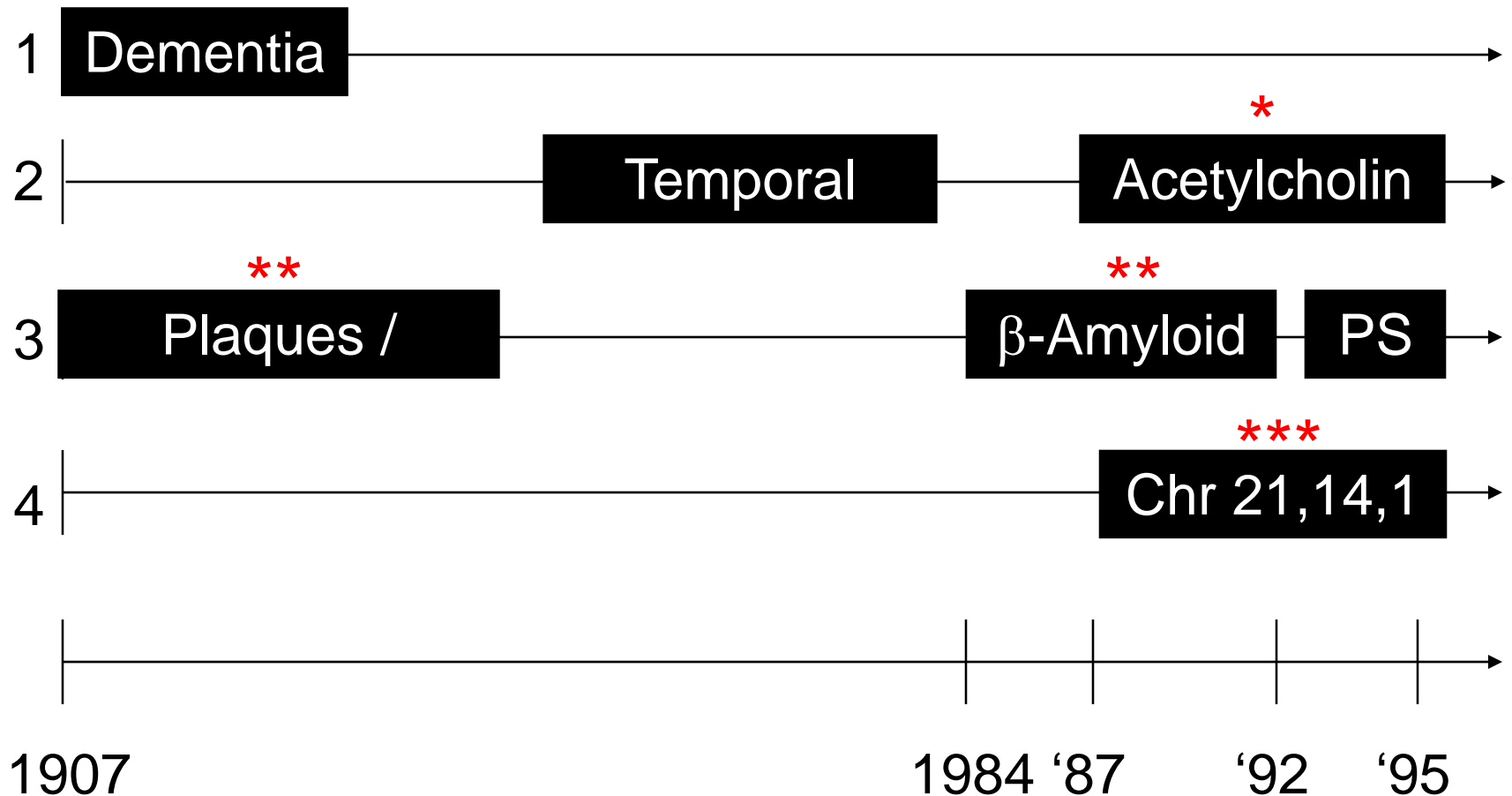
Levels: Composition



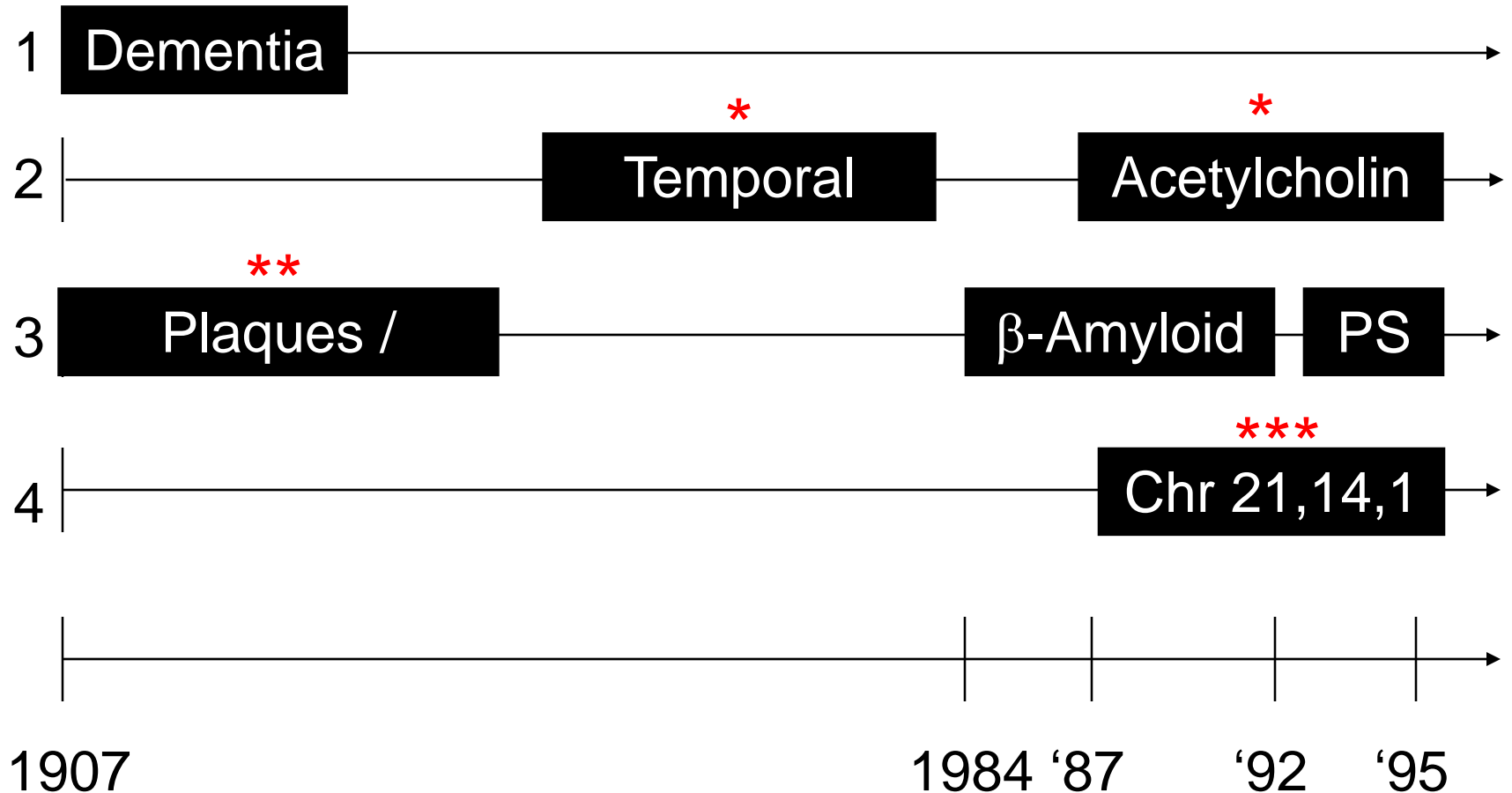
Levels: Causal interaction



Criteria: Invariance



Criteria: Conditional Independence



Criteria: Specificity

