



21st Century Science Initiative

- Program Areas
 - Bridging Brain, Mind, and Behavior
 - Studying Complex Systems
 - Brain Cancer Research
- Two Types of Grants
 - Research Awards
 - Collaborative Activity Awards
- 2009: \$26 Million

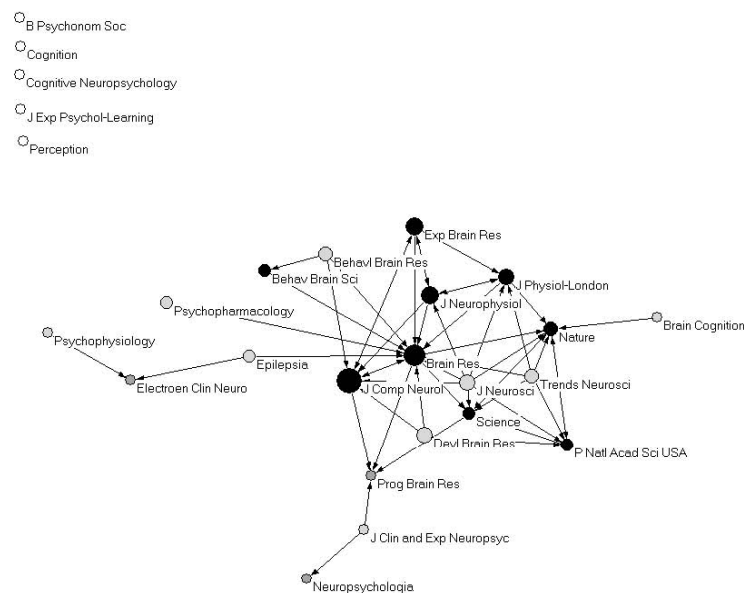


Figure 1. 1988 journal citation map. Hub-authority journals are black nodes, authority journals dark grey nodes, hub journals light grey nodes. Nodes are proportional to hub scores, authority scores, and hub + authority score for the black nodes.

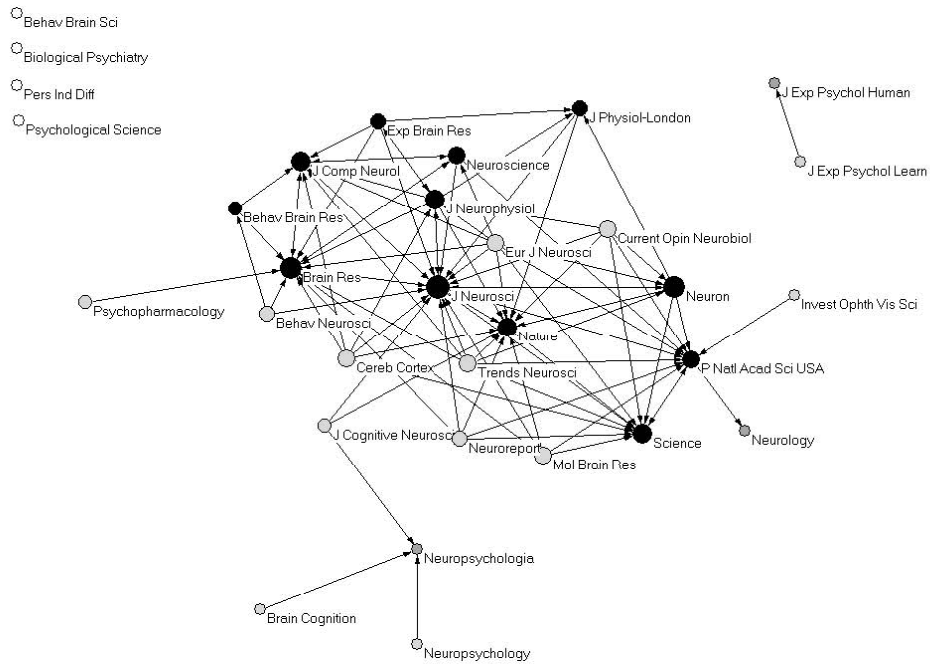


Figure 4. 2007 journal citation. Hub-authority journals are black nodes, authority journals dark grey nodes, hub journals light grey nodes. Nodes are proportional to hub scores, authority scores, and hub + authority score for the black nodes

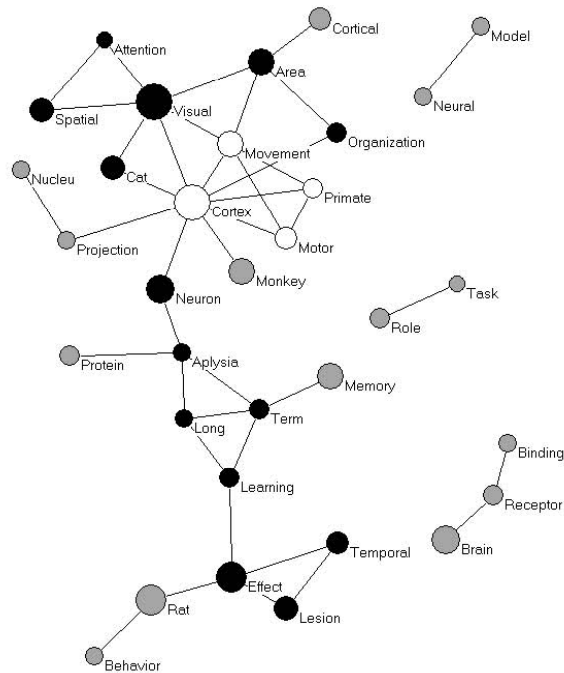


Figure 5. 1988 cognitive neuroscience topic map. Black nodes are in the 2-core and grey nodes in the 1-core. Node size proportional to log of word occurrences.

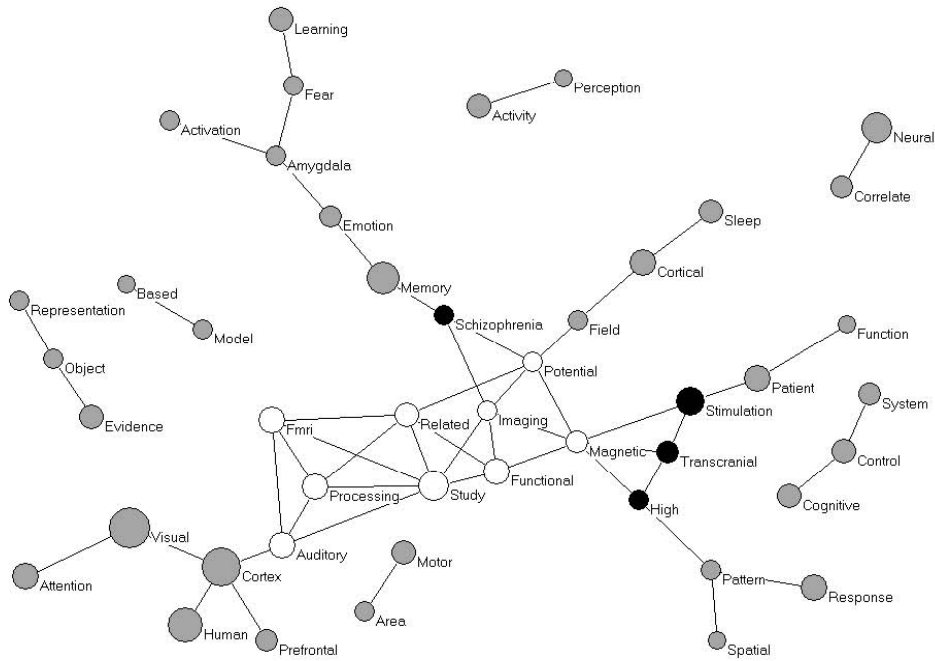


Figure 7. 2007 cognitive neuroscience topic map. White nodes are in the 3-core, black nodes in the 2-core, grey nodes in the 1-core. Node size proportional to log of word occurrences

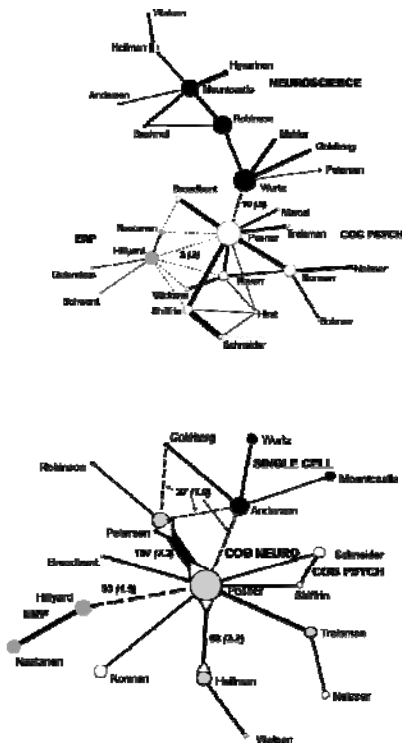


Figure 1. The 1985 PFNET shows the four precursor disciplines of cognitive Neuroscience and ERP research are connected to cognitive psychology by secondary edges (dashed) at relatively low levels of co-citation, ERP more distantly than neuroscience.

In 2000, a cognitive neuroscience cluster containing scientists from all precursor disciplines emerges early in net construction, linked to Posner by primary edges. Single cell neurophysiology remains as an independent precursor cluster. The 2005 PFNET is nearly identical to the 2000 PFNET.