

Two Neuronal Models of Confabulation in Thalamocortical Modules

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Abstract

Confabulation [1,2] is an hypothesized winners-take-all competition process among thousands of neuron collections within an individual thalamocortical module. Here, two computer models of confabulation at the neuron level are described. Functional capabilities and limitations of each model are discussed.

References

1. Hecht-Nielsen, R. (2005) "Cogent confabulation." *Neural Networks* **18**:111-115.
2. Hecht-Nielsen, R. (2006) **Mechanization of Cognition**, in: Bar-Cohen, Y. [Ed.] **Biomimetics** (pp. 57-128) Boca Raton, FL: CRC Press.