

## **Leonardo Gollo**

### *Active dendrites stochastic neuronal model*

The goal is to present the main results of a stochastic model of neuron with active dendritic tree recently published (Gollo et al. 2009) as well as the mathematical description of the model and the corresponding approximative solution that shows good agreement with simulations and experimental data.

Gollo LL, Kinouchi O, Copelli M (2009) Active Dendrites Enhance Neuronal Dynamic Range. PLoS Comput Biol 5(6): e1000402. doi:10.1371/journal.pcbi.1000402

<http://www.ploscompbiol.org/article/info:doi%2F10.1371%2Fjournal.pcbi.1000402>