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神经元簇的层次性联合编码假设

唐孝威[1,2]、吴义根[2]、单保慈[2]、曾海宁[2]
1　浙江大学物理系
2　中国科学院高能物理研究所核分析开放实验室

　　提出一个新的神经信息编码假设, 称为神经元簇的层次性联合编码假设。它不同于祖母细胞假设和Hebb经典细胞群编码模型, 但融合了它们的优点, 因而可以解释更多的神经生物学实验。

HYPOTHESIS OF HIERARCHICALLY ASSOCIATED CODING BASED ON THE NEURONAL CLUSTERS

　　A new hypothesis of neural coding, the hypothesis of hierarchically associated coding based on the neuronal clusters, is proposed. This hypothesis is different from Barlow's hypothesis of single neuron coding and Hebb's hypothesis of ensemble coding, but combines their advantages, thus it is possible to explain more neurobiological experimental facts using this hypothesis.

关键词

　　神经信息编码(Neural information coding); 经典神经细胞集群假设(Hypothesis of ensemble coding); 单个神经元编码假设(Hypothesis of single neuron coding); 神经元簇(Neural cluster); 层次性联合编码 (Hierarchically associated coding)