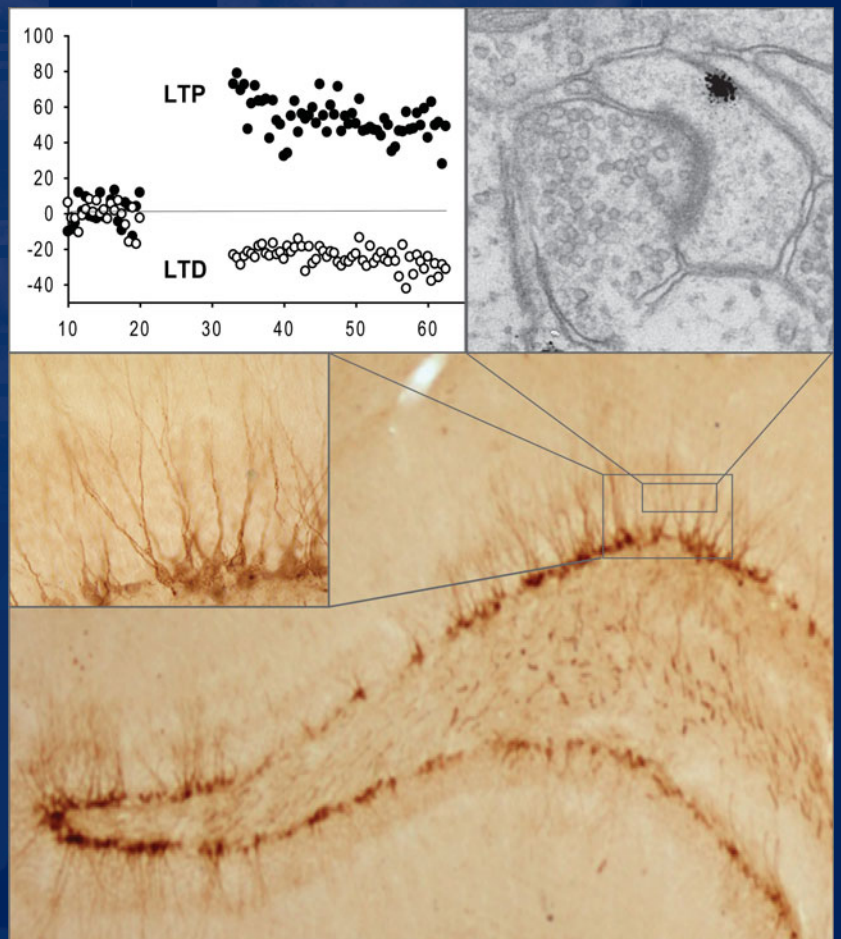


NEURON GLIA BIOLOGY



**SPECIAL ISSUE ON
Cell Adhesion and
Extracellular
Matrix Molecules in
Synaptic Plasticity**

**Guest editor:
Dr Olena Bukalo**

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Cover

High frequency stimulation (HFS) of medial perforant path in dentate gyrus results in homosynaptic long-term potentiation (LTP) and heterosynaptic long-term depression (LTD). HFS also induces increase in polysialic acid-neural cell adhesion molecules (PSA-NCAM) positive granule cells and dendritic arborization. At the ultrastructural level, electron microscopy shows redistribution of PSA-NCAM to the stimulated synapses. These findings are discussed in the article by Rodriguez *et al.* in the current issue. Image courtesy of the authors.

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