

Review of: "Dopamine D5 receptor involvement in LTP and LTD: adjustment to the dysconnectivity theory of schizophrenia"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

This is the advanced version of a short review on roles of D5 receptors in LTP and LTD, and the possible implication of D5R for certain aspects of schizophrenia.

Concerns:

1. The author(s) write that the link between D5R and schizophrenia is poorly established. This is correct. However, I would like to draw attention to two articles published in the 1990s, which demonstrate a link between the D5R gene and schizophrenia:

a) Sobell et al. Human Mol. Gen. 4, 507-514, 1995

b) Asherson et al. Mol. Psychiatry 3, 310-320, 1998.

Considering these two papers would make the review a little bit less speculative.

2. Please explain: E-LTP, E-LTD, L-LTP, L-LTD. Not all readers are neuroscientists and/or psychiatrists.

3. Ref. 22 (Reference list) Bostolozzi et al. is incomplete. Please correct.