Supplementary Information

Alteration in the synaptic and extrasynaptic organization of AMPA receptors in the hippocampus of P301S tau transgenic mice

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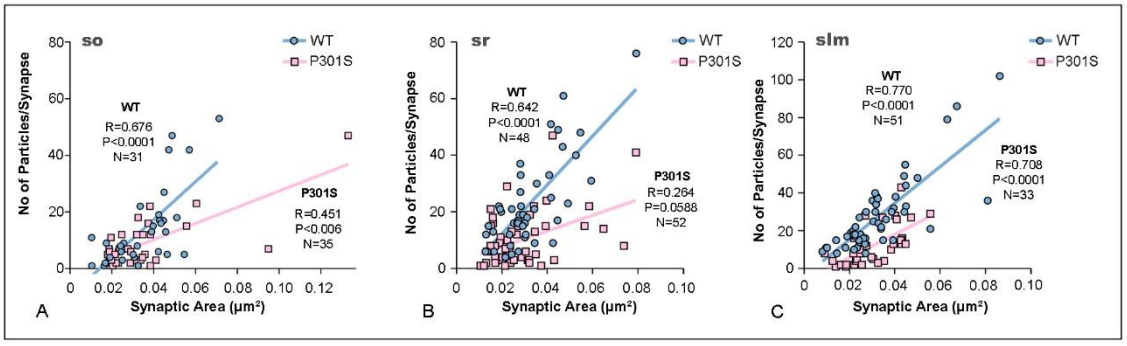
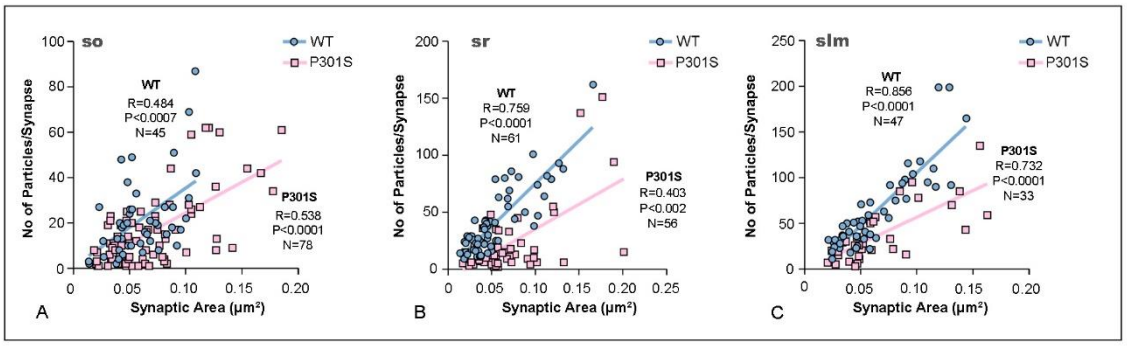


Supplementary Figure S1. ***GluA1-4 immunoparticle density at excitatory synapses on spines***. Correlation of the number of GluA1-4 immunoparticles and IMP-cluster area on pyramidal cell spines. (A-C) Scatter plots showing the correlation between surface areas of postsynaptic membrane specializations and numbers of gold particles labelling GluA1-4 receptors in the three dendritic layers in both wild type and P301S mice. A positive linear correlation between immunoparticle number and synaptic size was detected throughout the CA1 field (Spearman's rank-order correlation).



Supplementary Figure S2. ***GluA1-4 immunoparticle density at excitatory synapses on interneurons***. Correlation of the number of GluA1-4 immunoparticles and IMP-cluster area on interneuron dendrites. (A-C) Scatter plots showing the correlation between surface areas of postsynaptic membrane specializations and numbers of gold particles labelling GluA1-4 receptors in the three dendritic layers in both wild type and P301S mice. In the three dendritic layers there is a positive linear correlation between immunoparticle number and synaptic size (Spearman's rank-order correlation).