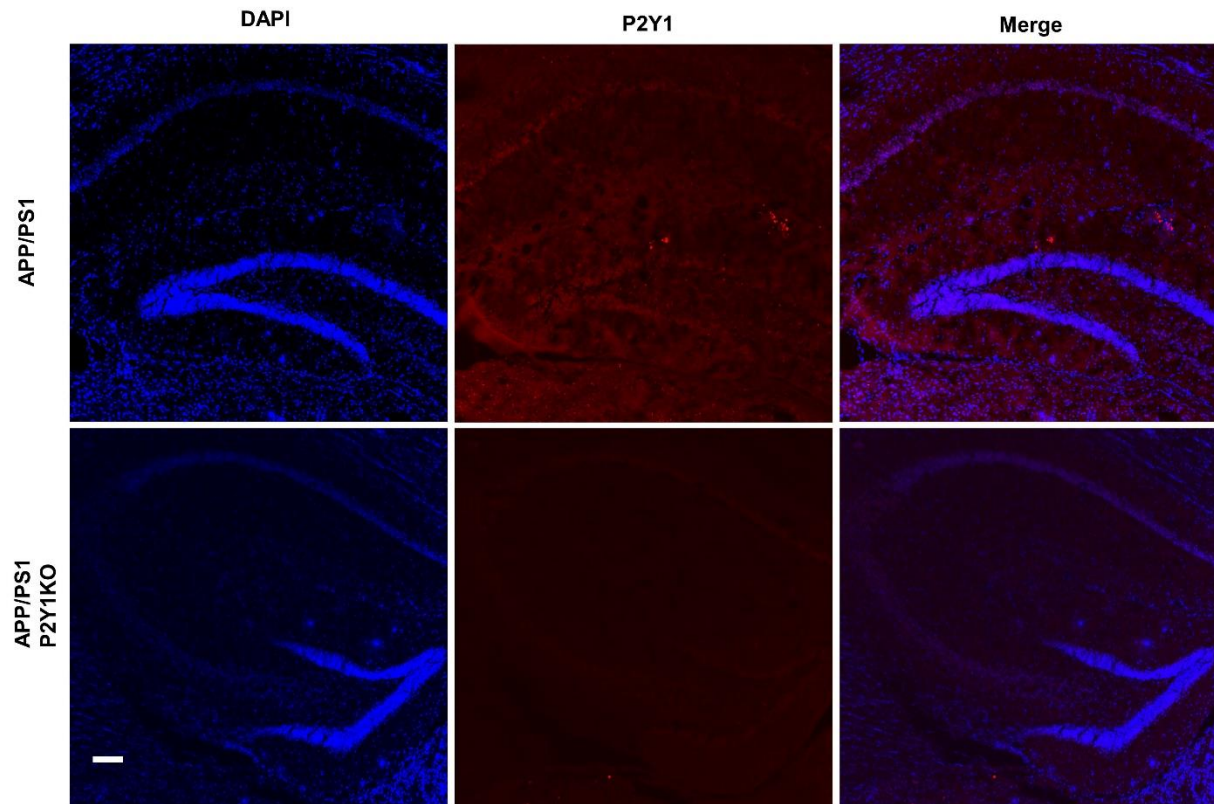


SUPPLEMENTARY DATA

**P2Y1R silencing in Astrocytes Protected
Neuroinflammation and Cognitive Decline in a Mouse
Model of Alzheimer's Disease**

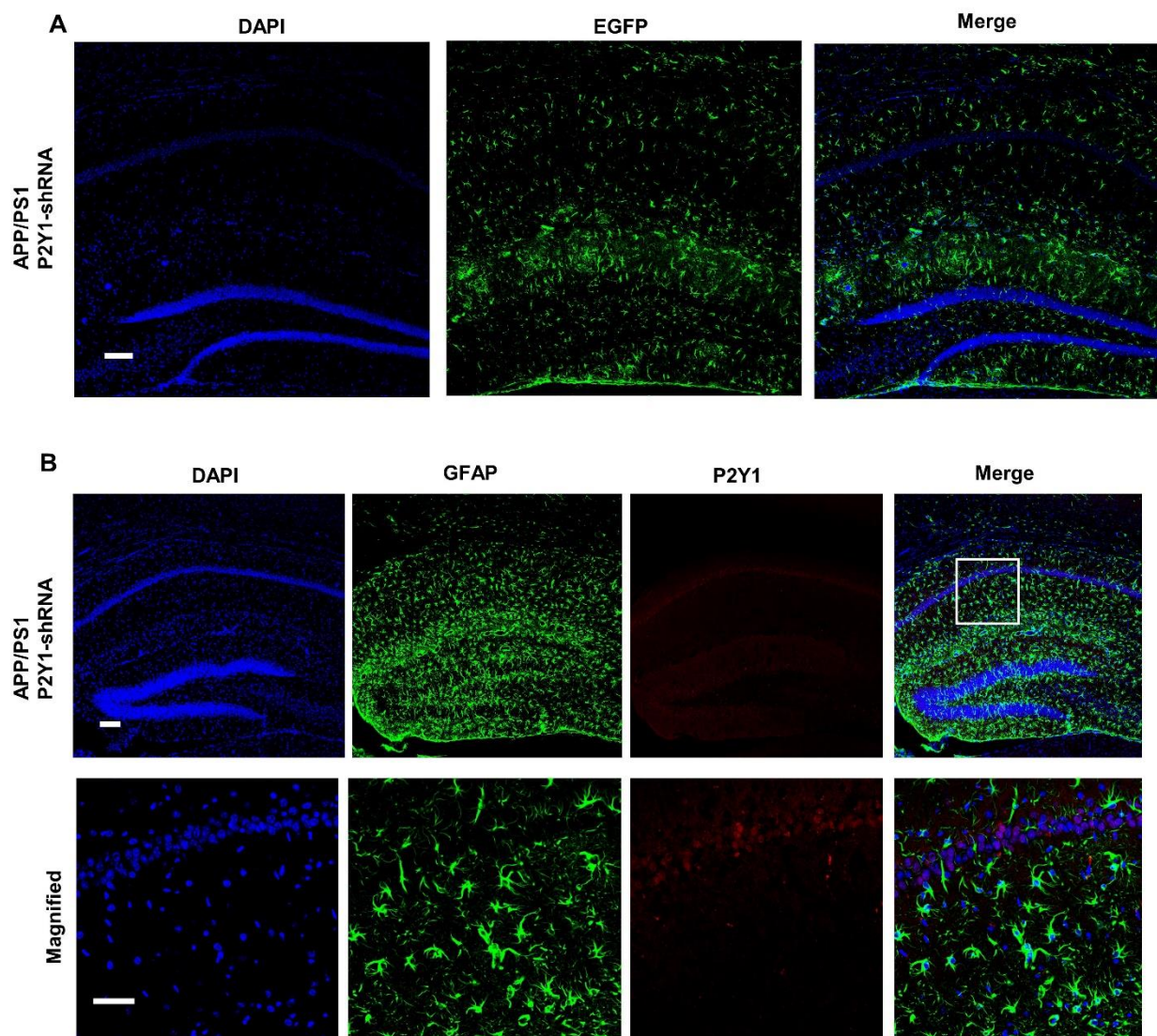
Shan Luo, Ami Tamada, Yuichi Saikawa, Yifei Wang, Qing Yu, Tatsuhiro Hisatsune*

SUPPLEMENTARY DATA



Supplementary Figure 1. The image of P2Y1 receptor in APP/PS1 and APP/PS1-P2Y1KO mice (Blue: DAPI; red: P2Y1R, scale bar = 100 μ m). In the mouse brain of APP/PS1-P2Y1KO, P2Y1 is virtually completely absent.

SUPPLEMENTARY DATA



Supplementary Figure2. The image in P2Y1-shRNA treated APP/PS1-P2Y1KO mice. (A) The EGFP expression in hippocampus can be seen after P2Y1-shRNA treated (Blue: DAPI; green: EGFP, scale bar = 100 μ m). (B) After P2Y1-shRNA viral therapy, astrocytes nearly never express P2Y1R. (Blue: DAPI; green: GFAP; red: P2Y1R, scale bar = 100 μ m; scale bar = 50 μ m in magnified figures).