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Supplemental information

Clathrin-mediated endocytosis cooperates with bulk endocytosis to generate vesicles

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Supplementary Information

Supplementary information contains Figure S1.

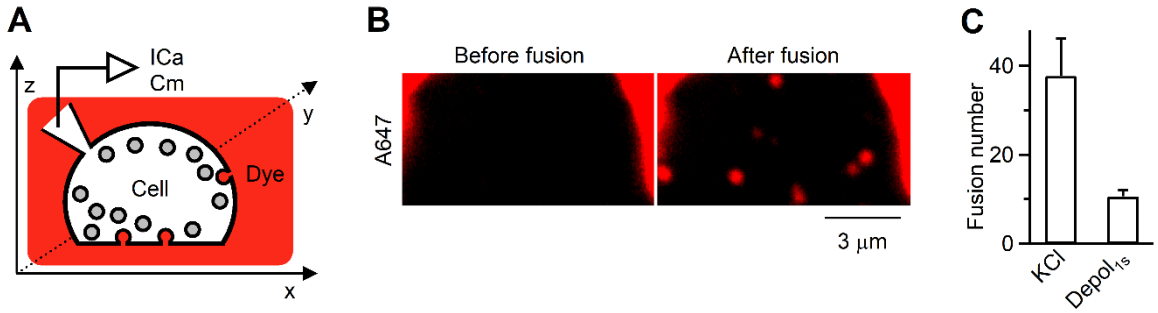

Figure S1. Imaging vesicle fusion induced by KCl (90 mM, 90 s) application and by a 1-s depolarization, related to Figure 2.

(A) Schematic drawing showing whole-cell recording of ICa and capacitance (Cm), and imaging at the cell-bottom with a fluorescent dye (red) in the bath.

(B) Confocal images of vesicle fusion in a fraction of a cell at the bottom (above the coverslip) in a bath solution containing Alexa 647 (A647, 30 µM) in the bath.
Left panel: the dark area before fusion at the cell-bottom represents a thin layer of A647 solution between the cell-bottom and the coverslip. Images were taken at 1 s before stimulation.
Right panel: A647 spots are observed after fusion. Images were taken at 0.5 s after a 1-s depolarization from -80 to +10 mV ($depol_{1s}$).

(C) The number of fusion spots induced by 90 mM KCl application for 90 s (12 cells) and by $depol_{1s}$ (60 cells). Fusion events from the cell bottom in an area of ~70 - 160 μm^2 were counted per cell.