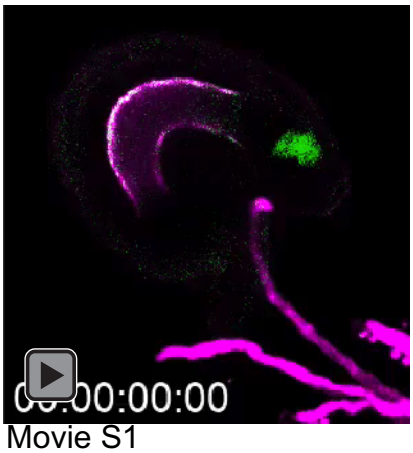
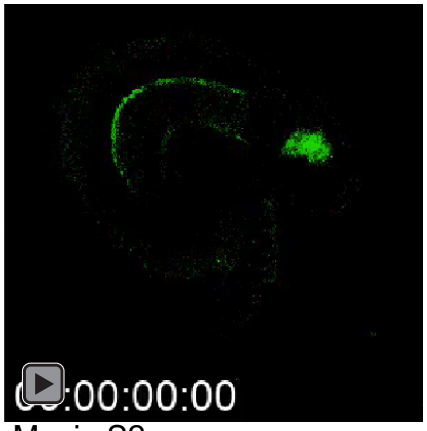
Supplemental Movies

Supplementary movie 1. NTA-GFP (green signal) redistributes to filiform apparatus region as ACA9::DsRed labeled pollen tube (magenta signal) approaches.

Supplementary movie 2. NTA-GFP (green signal) redistributes to filiform apparatus region during pollen tube reception (GFP channel only, same movie as S1).



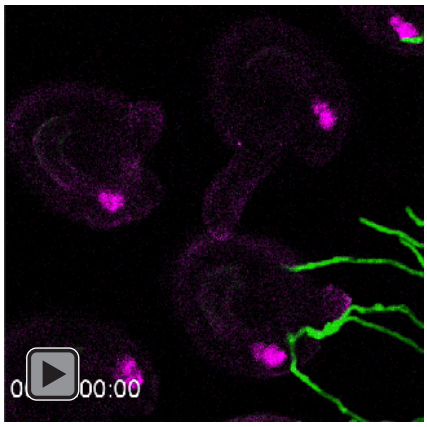
Movie S1



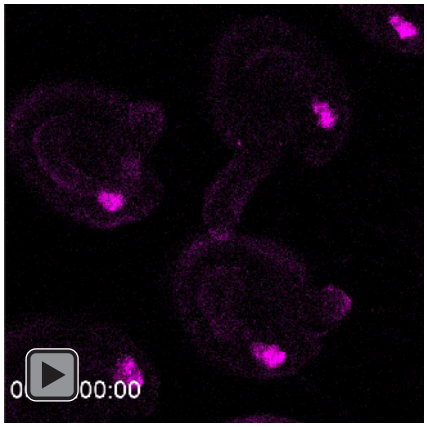
Movie S2

Supplementary movie 3. Golgi-mCherry signals (magenta signal) are evenly distributed along the length of the synergid as Lat52::GFP labeled pollen tube (green signal) approaches.

Supplementary movie 4. Golgi-mCherry signals (magenta signal) are evenly distributed along the length of the synergid during pollen tube reception (mCherry channel only, same movie as S3).



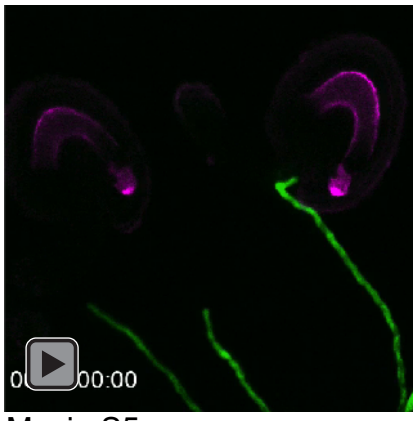
Movie S3



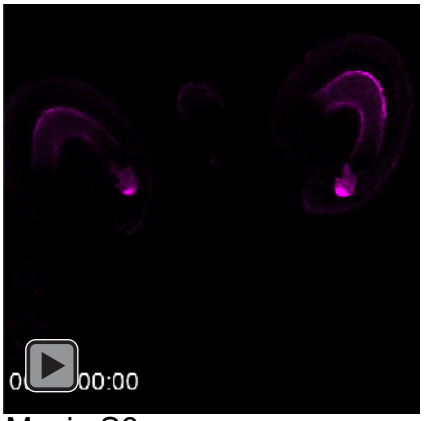
Movie S4

Supplementary movie 5. The trans-Golgi marker SYP61-mCherry (magenta signal) is localized toward the micropyle region of synergid cells both before and after pollen tube (green signal) arrival.

Supplementary movie 6. The trans-Golgi marker SYP61-mCherry (magenta signal) is localized toward the micropyle region of synergid cells during pollen tube reception (mCherry channel only, same movie as S5).



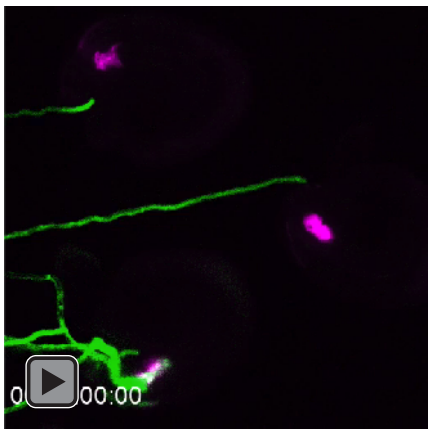
Movie S5



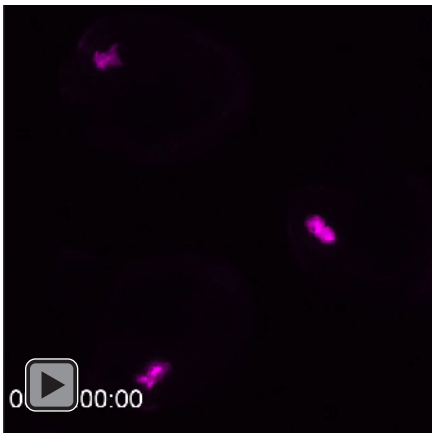
Movie S6

Supplementary movie 7. Before and after pollen tube (green signal) arrival, the ER marker SP-mCherry-HDEL (magenta signal) is distributed throughout synergid cells.

Supplementary movie 8. The ER marker SP-mCherry-HDEL (magenta signal) is distributed throughout synergid cells (mCherry channel only, same movie as S7).



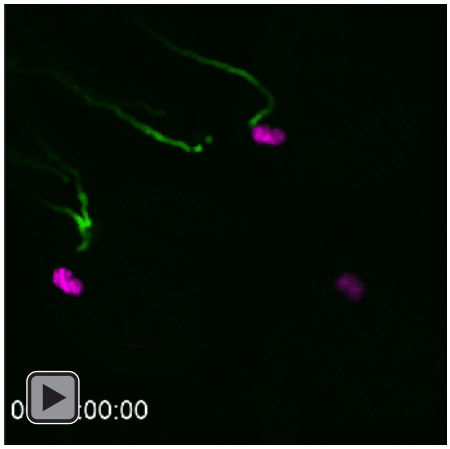
Movie S7



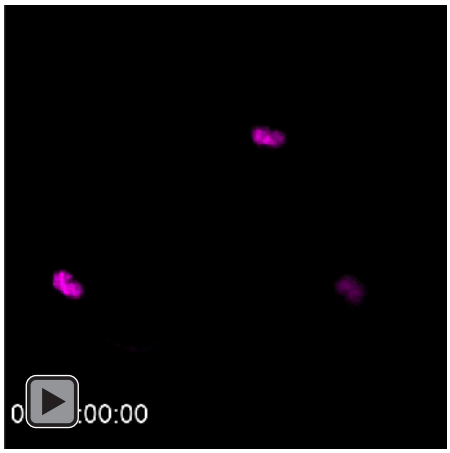
Movie S8

Supplementary movie 9. The peroxisome marker mCherry-SLK (magenta signal) does not redistribute to the filiform apparatus region after pollen tube (green signal) arrival.

Supplementary movie 10. The peroxisome marker mCherry-SLK (magenta signal) does not redistribute to the filiform apparatus region during pollen tube reception (mCherry channel only, same movie as S9).



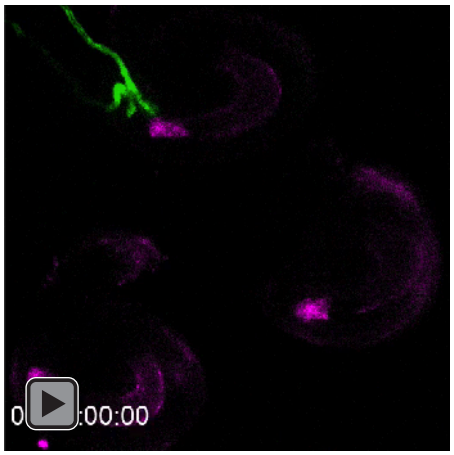
Movie S9



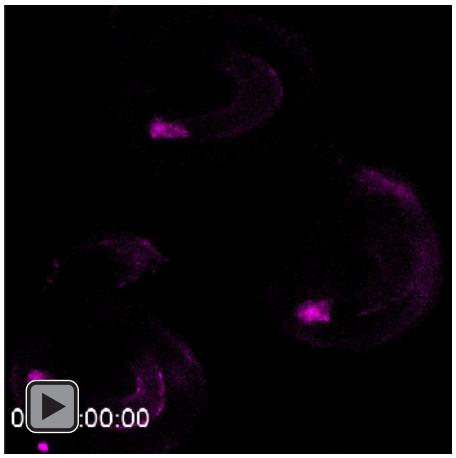
Movie S10

Supplementary movie 11. RabA1g-mCherry endosome marker (magenta signal) accumulates at the filiform apparatus region in response to pollen tube (green signal) arrival.

Supplementary movie 12. RabA1g-mCherry endosome marker (magenta signal) accumulates at the filiform apparatus region during pollen tube reception (mCherry channel only, same movie as S11).



Movie S11



Movie S12