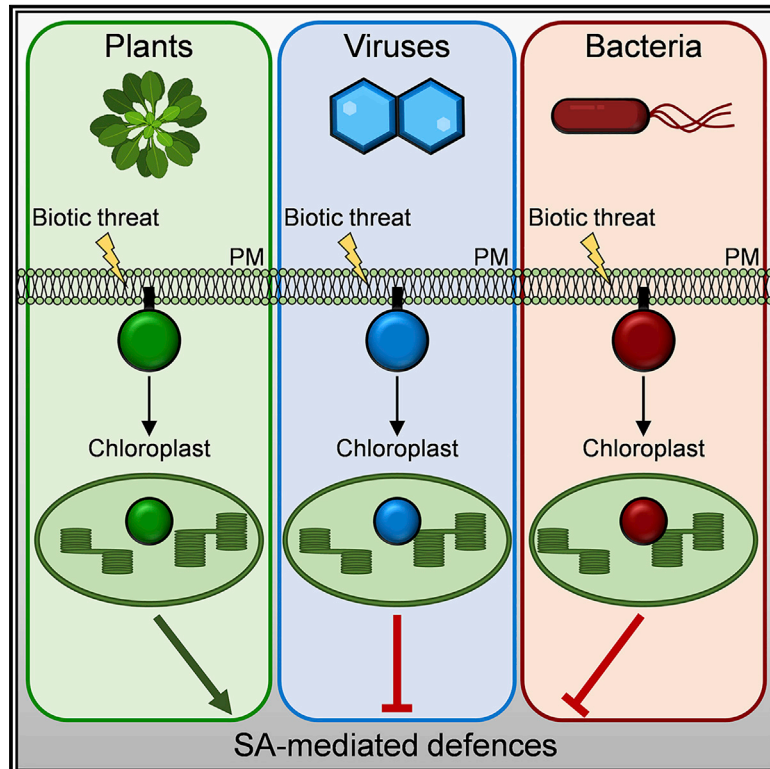


A Defense Pathway Linking Plasma Membrane and Chloroplasts and Co-opted by Pathogens

Graphical Abstract



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In Brief

Unrelated effector proteins from viral and bacterial pathogens infecting plants co-opt an endogenous pathway to dynamically translocate from the plasma membrane to chloroplasts in the host cell and suppress salicylic-acid-dependent plant defence responses

Highlights

- A viral protein moves from PM to chloroplasts upon plant sensing of biotic threats
- From the chloroplast, the relocalized viral protein inhibits SA-dependent defenses
- Plant proteins/pathogen effectors display similar trafficking and impact defense
- A pathway linking PM and chloroplasts and regulating defense may exist in plants

