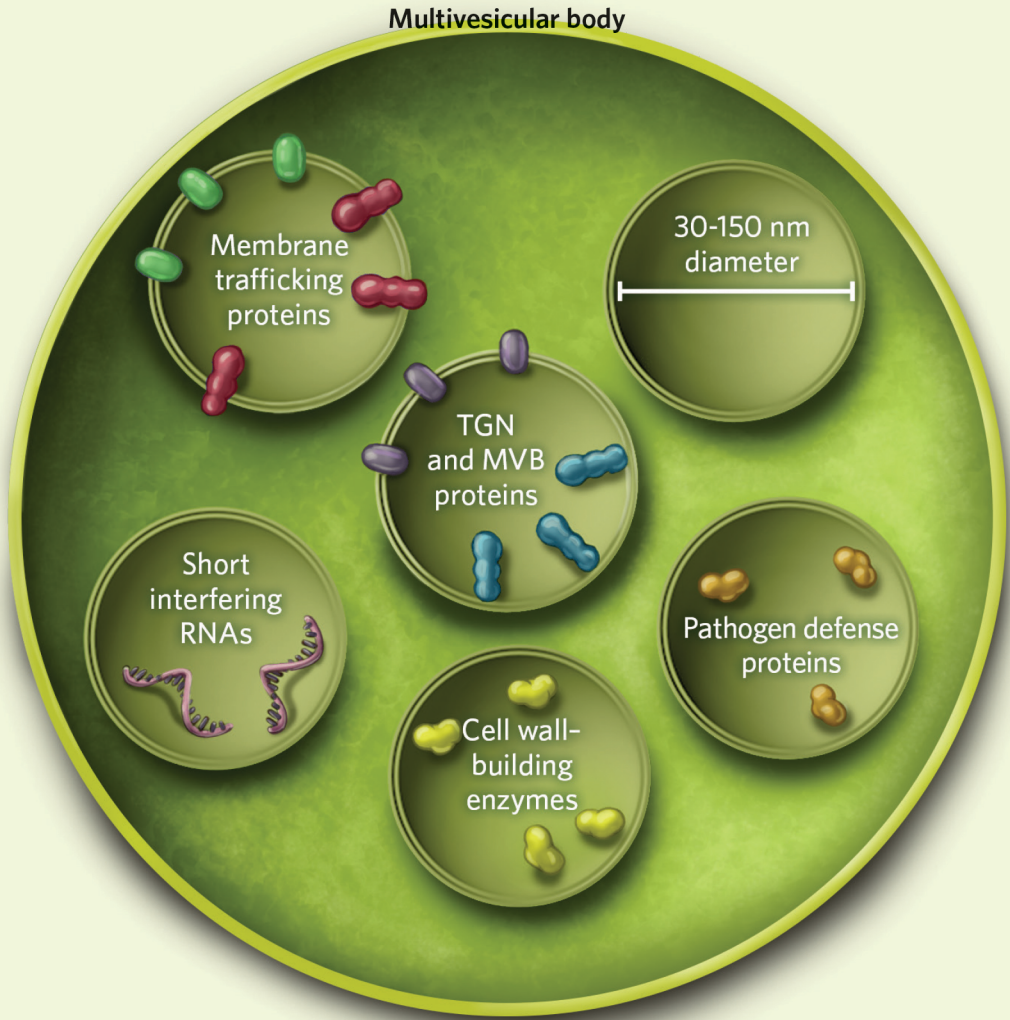


EXOSOME SPECS

When identifying vesicles thought to be exosomes, plant biologists look for a number of hallmark traits.



Size: 30 to 150 nanometers in diameter

Molecular markers: Membrane trafficking proteins and proteins derived from the trans-golgi network (TGN) and the multivesicular body (MVB)

Examples of known cargo:

- Cell wall-building enzymes that may be involved in plant growth and development
- Pathogen defense proteins that are delivered to sites of infection
- Short interfering RNAs that can silence pathogens' genes