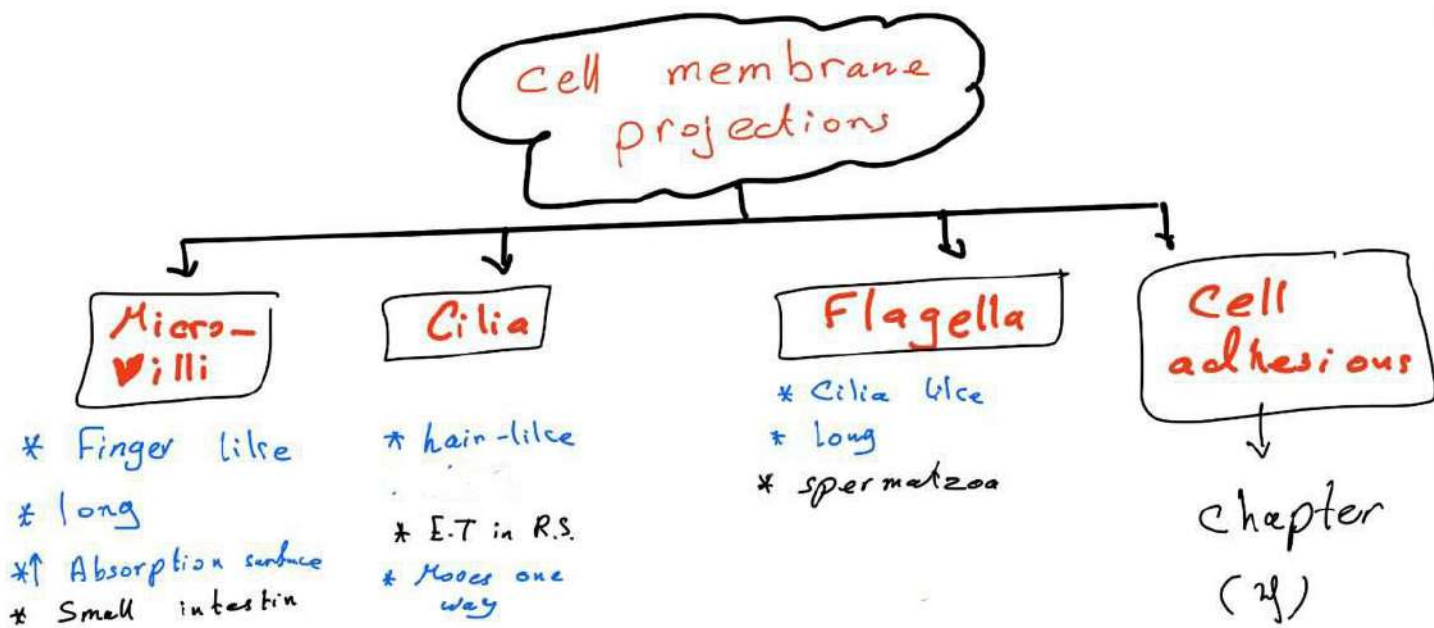


Special stains (9)





E.T = epithelial tissue

Organell	Structure	Functions
Mitochondria	<ul style="list-style-type: none"> - outer & inner memb. - Intermembranous space - Cristae → \rightarrow oxysomes (F_0-F_1) - Matrix → Ca^{++} / DNA / RNA_s / Ribosomes / Krebs' enzymes 	<ul style="list-style-type: none"> * Energy production * Self replication * Synthesize ↓ amount of their protein.
Golgi	<ul style="list-style-type: none"> - golgi stacks - transport vesicles - Secretory vesicles ↳ (3-12) flattened curved, & peripherally dilated tubules "cisternae" * Cis-face * Trans face - convex facing Nucleus - concave facing cell memb. 	<ul style="list-style-type: none"> * Pbn modification by adding - Sulfate / CHO * Concentration of pbn. * Isolation & packaging for enzymatic pbn.
sER	<p>anastomosing <u>tubules</u> → sER (no attached ribosomes)</p> <p>"cisternae"</p>	<ul style="list-style-type: none"> * Synthesis of steroid hormone * synthesis of fats (glycogen) * Ca^{++} pump. * Detoxification * As intracellular pathway.
rER	<p>flattened intercommunicating → rER <u>tubules</u> (has attached ribosomes)</p>	<ul style="list-style-type: none"> * Synthesis of intracellular pbn: <ul style="list-style-type: none"> 1) Secreted pbn. 2) lysosomal enzymes. 3) Plasma membrane integral pbn.s * Renewal of golgi cis-face.
Annulate lamella	<p>(6-10) copies of nuclear envelope. "cisternae"</p>	<ul style="list-style-type: none"> * Reserves for nuclear envelope.