

Golgi Body

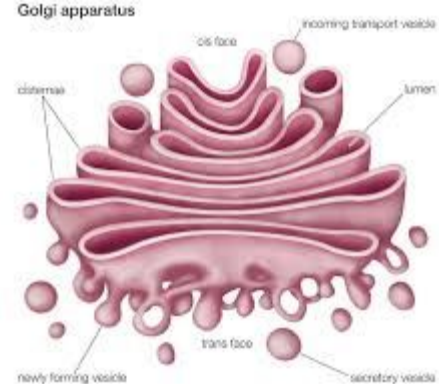
Quierah Crawford





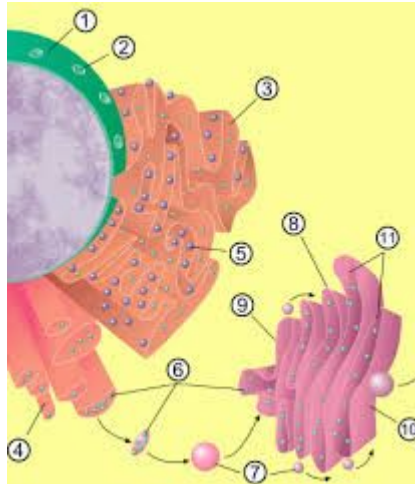
Major Processes of Organelle

The golgi body, is made up of membrane-bound sacs, and is also called the Golgi complex, or dictyosome. The job of the Golgi apparatus is to process and bundle macromolecules like **proteins** and **lipids** as they are synthesized within the **cell**.



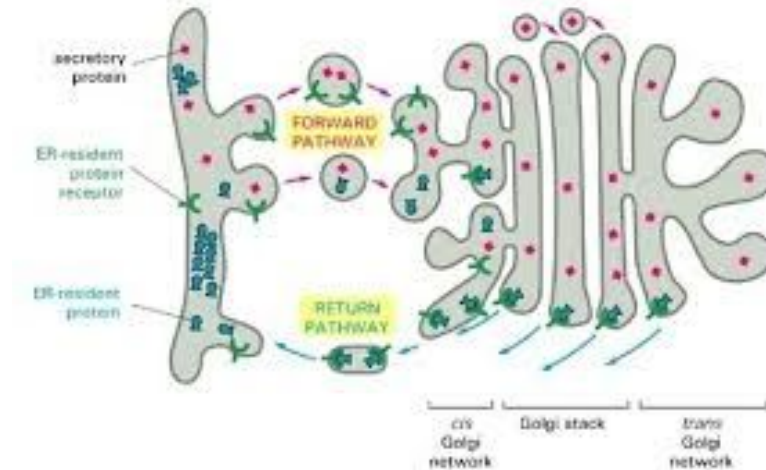
Interactions with other organelles

The golgi body, packages macromolecules for secretion and transportation outside the cell. It produces vesicles that encloses the macromolecules and transports it to the plasma membrane. It also works with the rough and smooth endoplasmic reticulum. The ER processes proteins and prepares them for transport and secretion.



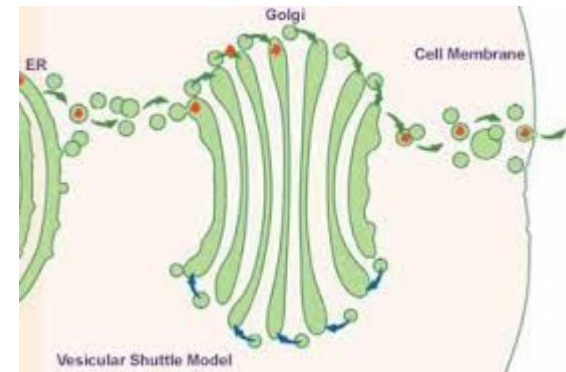
Relation of organelle structure to its functions

The Golgi body can be identified by its unique structure which some say looks like a maze, but in fact the structure is made of stacks of flattened membranous sacs, or cisternae. Golgi body function is to process proteins and sort cellular proteins for delivery inside or outside the cell.



Molecules used by the organelle

The close proximity of the Golgi membranes to the cell nucleus allows for proteins, carbohydrates, phospholipids, and other molecules formed in the endoplasmic reticulum to be transported to the Golgi apparatus to be biochemically modified during their transition from the cis to the trans poles of the complex. And the Golgi body gathers simple molecules and combines them to make molecules that are more complex. It then takes those big molecules, packages them in vesicles, and either stores them for later use or sends them out of the cell. It is also gathers the organelle that builds lysosomes (cell digestion machines).





Sources

- URL: http://www.softschools.com/science/biology/the_function_of_golgi_apparatus/
 - Website: TitleMath
 - Article: The Function Of Golgi Apparatus
 - Date Accessed: September 19, 2018
-
- URL: <https://www.thoughtco.com/golgi-apparatus-meaning-373366>
 - Website: ThoughtCo
 - Article: Golgi Apparatus: The Cell's Manufacturing and Shipping Center
 - Date Accessed: September 19, 2018
-
- URL: http://www.biology4kids.com/files/cell_golgi.html
 - Website: Rader's BIOLOGY 4 KIDS.COM - Biology basics for everyone!
 - Article: Golgi Apparatus - Packing Things Up
 - Date Accessed: September 19, 2018