

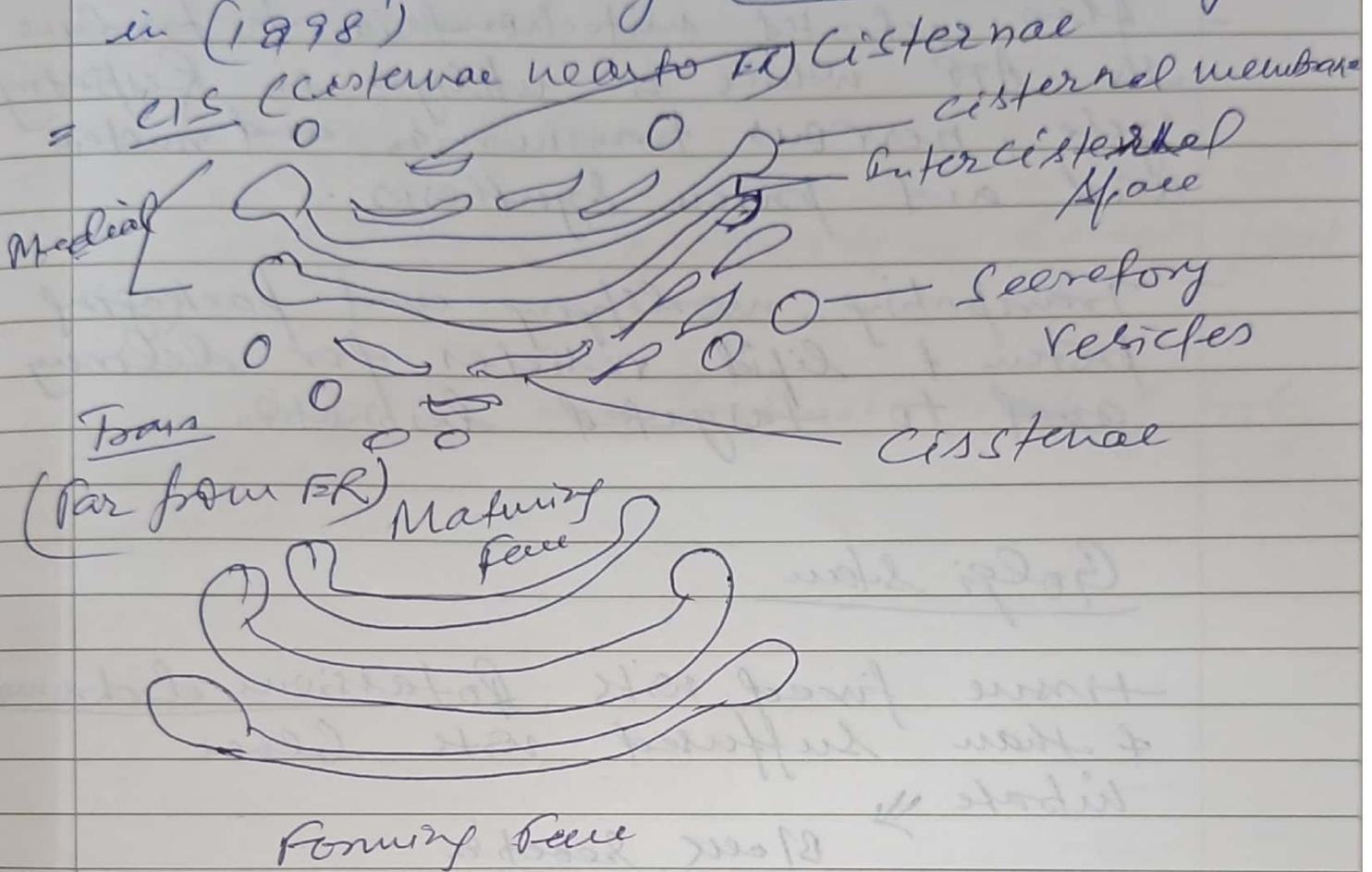
Golgi Complex

DATE

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⇒ Golgi apparatus, Golgi ~~to~~ complex, Golgi body or simply the Golgi is an organelle found in ^{most} eukaryotic cell.

= first reported by Camillo Golgi in (1898)



- consists of stack of flattened cisternae and associated vesicles.
- = located in cytoplasm
- = supported by matrix

→ studied in nervous tissue (Black reaction)
↓
staining technique
↓
Golgi stain

classmate

PAGE

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Function

Traffic police of the cell
DATE

- Secretory product
- Golgi complex play role in the formation of lysosome.
- Also activates mitochondria to produce the ATP which is utilized in respiratory cycle, nervous transmission and nucleic acid and protein synthesis.
- Transporting, modifying and packaging protein + lipid vesicles for delivery ~~and~~ to targeted destination.

Golgi stain

tissue fixed with potassium dichromate & then suffused with silver nitrate



Block sections



Internal reticular apparatus



Golgi apparatus

Structure

DATE

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- CIS Golgi Network — Faces the nucleus, forms a ER. entry point of Golgi apparatus

- CIS Golgi —

- ~~CIS~~ Medial Golgi

- Trans Golgi

- Trans Golgi Network — exist point

Cisternae — Simplest unit of Golgi apparatus.