

Endoplasmic Reticulum

DATE

ER was observed with light microscope by Garnier



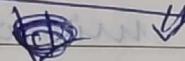
coined the term
ergastoplasm



with Electron Microscope



Thompson - Porter, Claude & Fullam



Porter

gave the name

Endoplasmic Reticulum

Rough ER



with
ribosome

Smooth ER

without ribosome

Synthesis and storage of
glycogen, fat & steroid.

Function

→ production & secretion of steroid
and hormones

→ Responsible for the synthesis of essential
lipid such as phospholipid & cholesterol.

→ Metabolism of carbohydrates.

→ released calcium ions which
is necessary for the nervous system
and muscular system

→ Provides a large surface area inside the
cell for various physiological activities.