

Mitochondria

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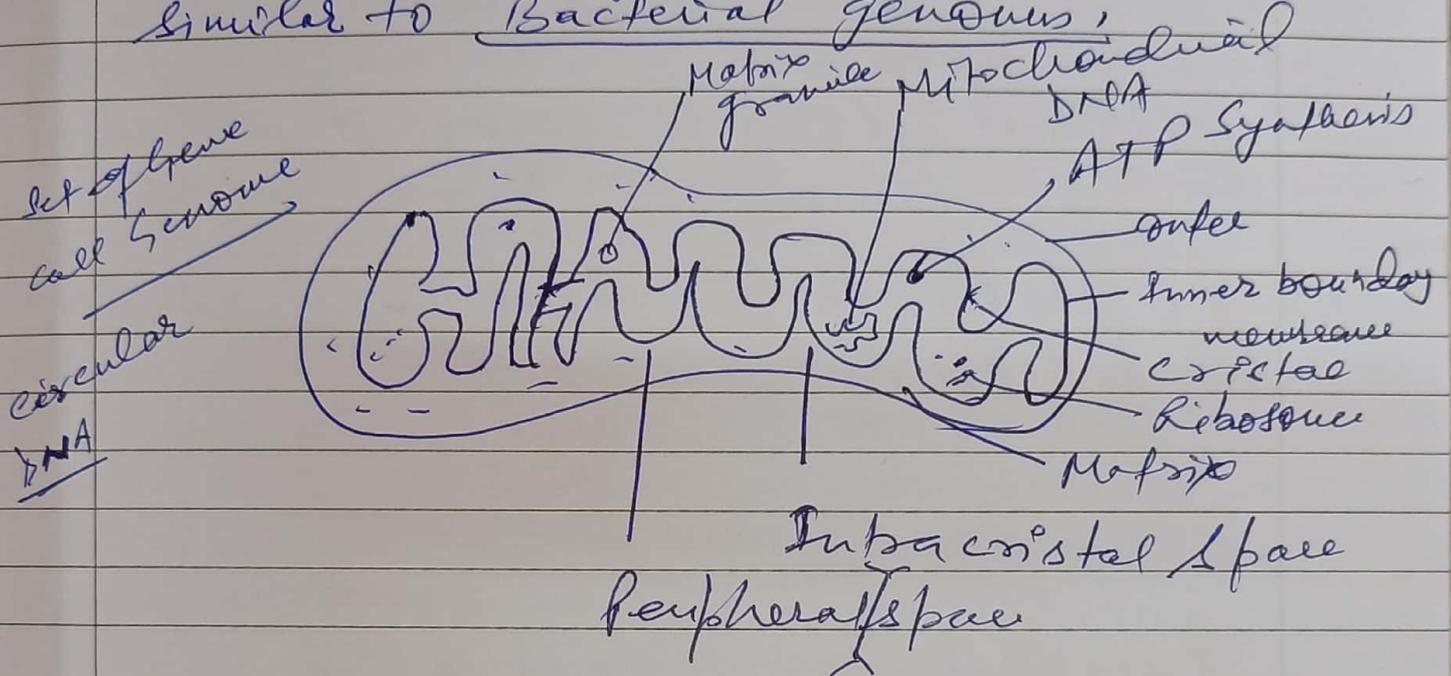
- from house of cell → "Siekeritz"
- Discovered by Kolliker
- Term coined by Richard Altman as "Bioblast"
- Isolation of mitochondria by Bensley & Hoerr
- Renamed by Carl Benda after 12 years.
- Mitochondrion → ~~but not~~ plural mitochondria
- Doubled ^{bounded} membrane → Eukaryotic organism
- Generate most of the cell's supply ATP (Adenosine Triphosphate)
- Some of cell of multicellular organism lack mitochondria (Red blood cells of mature mammalian)
- Eukaryotic Monoclononoids have completely lost their mitochondria
- whereas liver cells more than 2000.
- outer membrane
- inner "
- Intermembrane space
- Cristae
- matrix

classmate

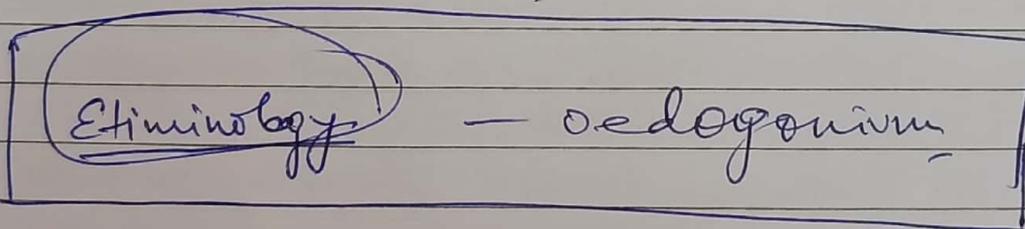
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→ Although most of cell's DNA is contained in the cell nucleus, the mitochondria has its own genome (Mitogenome) similar to Bacterial genome,



→ Phospholipid bilayers and proteins



Function of Mitochondria

- ATP from formation
- Metabolism of fat & Carbohydrate
- Secretion of enzyme
- Maintain body temperature.