

Bilaminar Model

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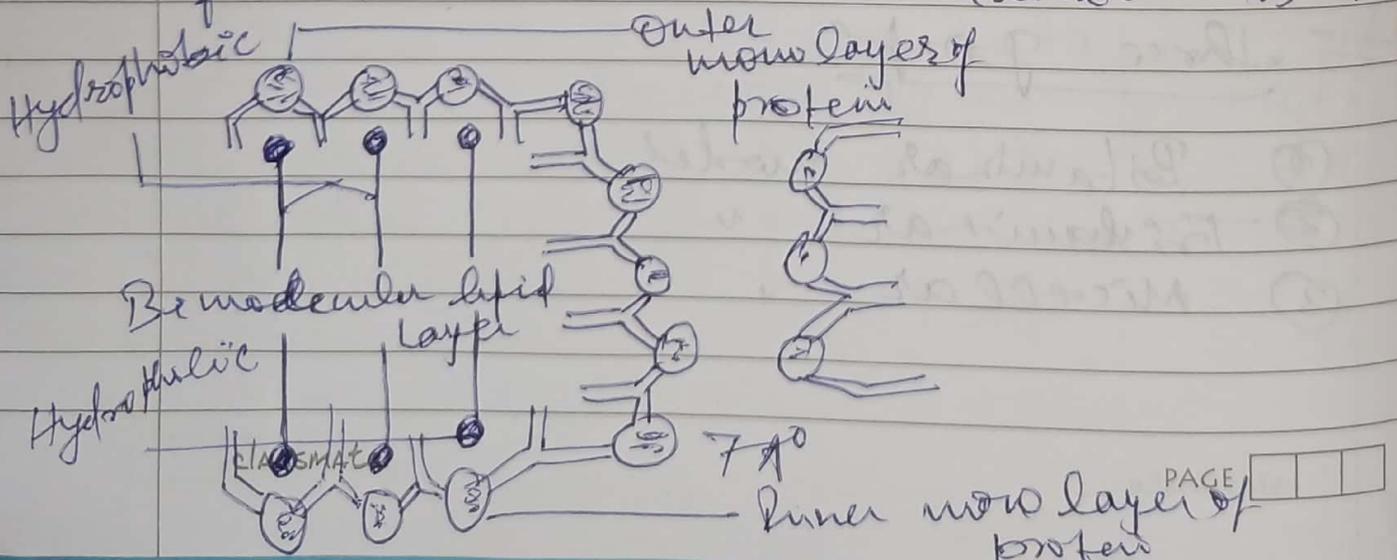
1st of reported by Gorter and
Grendel in 1925. According to him
plasma-membrane made up of two
layer in which one layer made
up by protein & another by lipid.

Trilaminar Model

In this model plasma-membrane is
made by three layer. Some important
models are as follows:-

a) Danielli & Davson Model -

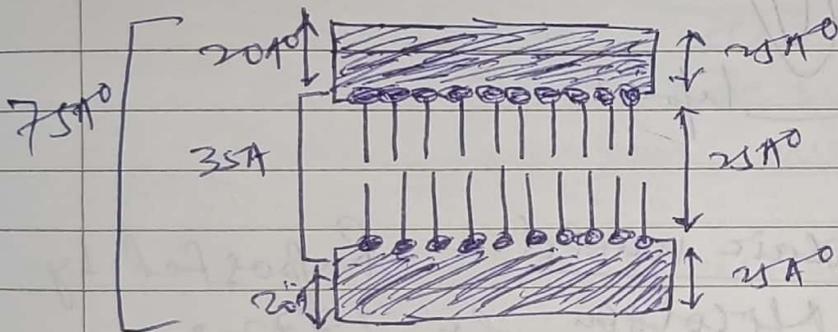
Reported by Danielli & Davson in
1935. According to this model plasma-
membrane is made by three layer
in which two layer by protein &
in between protein layer there is
a layer of phospholipid bimolecular
phospholipid. Protein ~~is~~ is absorbed
and Globular both type. In every
lipid molecule has head & tail.
A pore found at some place of
plasma membrane which thickness is 7A.



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③ Unit membrane model

- Reported by Robertson 1935.
- In this model 2 two layer made by aqueous protein in between there is bimolecular phospholipid layer is situated. Every protein layer is 20\AA thick approximately. & lipid layer about 35\AA thick. So the total thickness of this membrane is 75\AA . Lipid layer is found as lipid molecule. In every lipid layer there is a hydrophilic head & a hydrophobic tail. Head is situated near protein & tail is far. Head thickness is 5\AA which is connected with 20\AA thick protein layer. So every layer thickness is 25\AA .



e) Greater membrane model →

- three layered
- lipid layer between two protein layer.
- inner layer of protein is unpaired.
- outer layer paired by Glycoprotein side chain oligosaccharide found Glycoprotein.
- On this apex negative charged sialic acid is situated.