

Lecture 28

Lipid Metabolism:

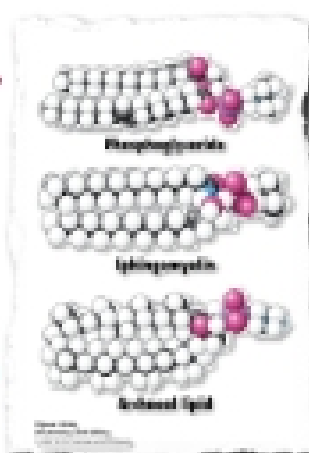
TAGs and Membrane Lipids

Triacylglycerol Synthesis

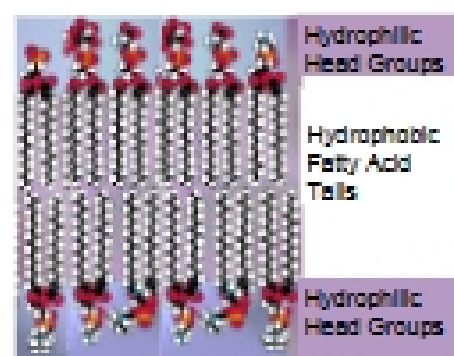
Phospholipid Synthesis

Glycolipid Synthesis

Aberrant Lipid Synthesis and Disease



Membrane lipids



http://iain.surrey.ac.uk/teaching/chem/biochem/04_membranes/07

Three Classes of Membrane Lipids:

Sterols: Cholesterol



Phospholipids:

- Phosphate
- Alcohol head group
- One or more fatty acids
- Platform: either glycerol or sphingosine





Glycolipids:

- One or more sugar head group
- One or more fatty acids
- Platform: sphingosine in animals
- Glycerol in some organisms (plants)



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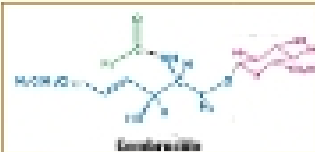



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