

S. II 2001 (H) Cytoskeleton

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These extrinsic proteins make a boundary between the cytoskeleton and the plasma membrane. The control cell shape, delimit specialized membrane domains and help in cell adhesions (attachment with other cells and to the substrate). The membrane consisting of these boundary proteins, which are responsible for association of plasma membrane with underlying cytoskeleton, is described as membrane skeleton. For erythrocytes, the component of this membrane skeleton, where a network consisting of spectrin, actin and other proteins is attached to plasma membrane through "ankyrin" and proteins. The membrane skeleton also has proteins: adducin, tropomyosin, domainin, which do not directly to the membrane, but add to the stability of membrane skeleton.

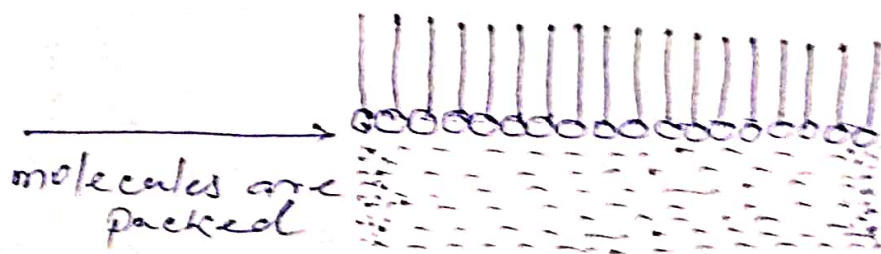


Fig: Cytoskeleton

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