CONCEPT: BASAL LAMINA

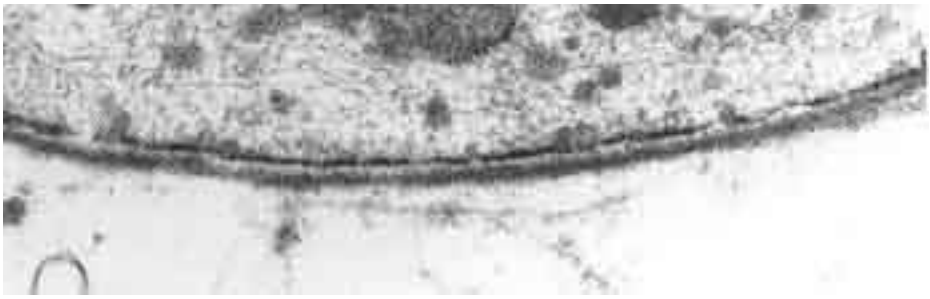
● The **basal lamina** acts as a thin, but strong extracellular matrix under certain cell types

□ Mainly found _____ epithelial cells

- But can also be found under certain muscle, fat, and schwaan (surround a neuron) cells

□ The basal lamina is about 40-120mm thick

EXAMPLE: Basal lamina



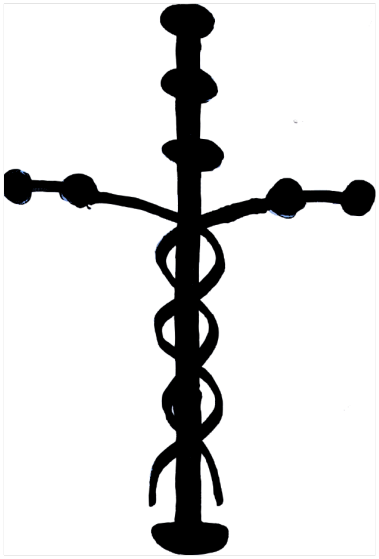
● The basal lamina is composed of two _____

□ **Laminin** is an organizer of various fibrous proteins making up the basal lamina

□ **Type IV Collagen** provides tensile strength to to the basal lamina

- Links with laminin, and other proteins to form a rope-like helix

EXAMPLE: Laminin protein



PRACTICE:

1. The basal lamina supports mainly which cell type?
    a. Epithelial cells
    b. Endothelial cells
    c. Connective tissue

2. Type IV collagen is an important protein in the basal lamina because it provides what?
    a. Organization to the proteins in the basal lamina
    b. Connections between multiple proteins in the basal lamina
    c. Tensile strength to the basal lamina