

Dermal **fibroblasts** are cells within the **dermis** layer of **skin** which are responsible for generating **connective tissue** and allowing the skin to recover from **injury**.

Using organelles (particularly the rough endoplasmic reticulum), dermal fibroblasts generate and maintain the connective tissue which unites separate cell layers.

Furthermore, these dermal fibroblasts produce the protein molecules including **laminin** and **fibronectin** which comprise the extracellular matrix. By creating the extracellular matrix between the dermis and epidermis, fibroblasts allow the epithelial cells of the epidermis to affix the matrix, thereby allowing the epidermal cells to effectively join together to form the top layer of the skin.

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