真 皮

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〈シンポジウム〉 皮膚をめぐる香粧品科学のターニングポイント

真 皮

服部 道廣*

Dermis

Michihiro HATTORI*

Summary

Progressions of genetic engineering in recent years has improved the molecular biological analysis of photoaged skin. These studies have shown that some cytokines including IL's, TNF- α , TGF- β or EGF can be candidates for the important factors of regulating molecular dynamics of the matrix elements in photo-aged skin. And it is also expected that the mechanisms of effective drugs such like vitamin A acid will be clarified and the side effects of these drugs will be diminished for cosmetic use.