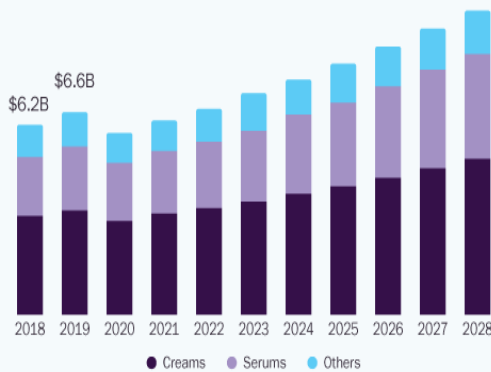


Skincare Genomics



U.S. DNA-based Skin Care Products Market

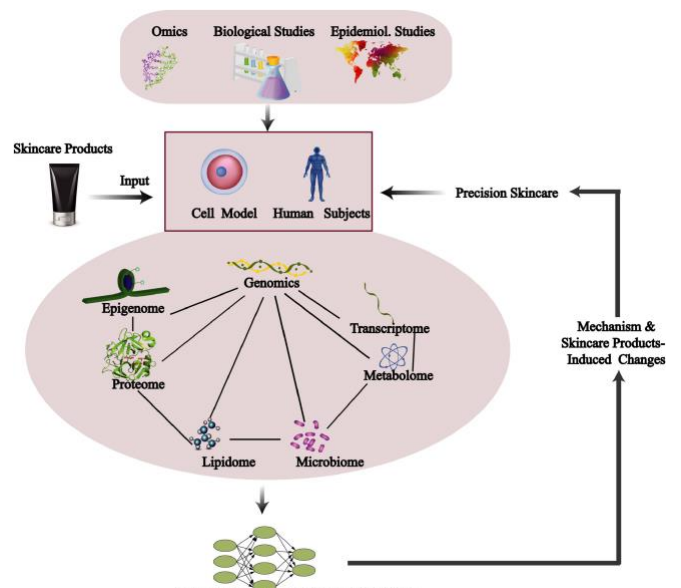
size, by product, 2018 - 2028 (USD Billion)



5.3%

U.S. Market CAGR,
2021 - 2028

Source:
www.grandviewresearch.com



Skinomics: Genomics based Skincare

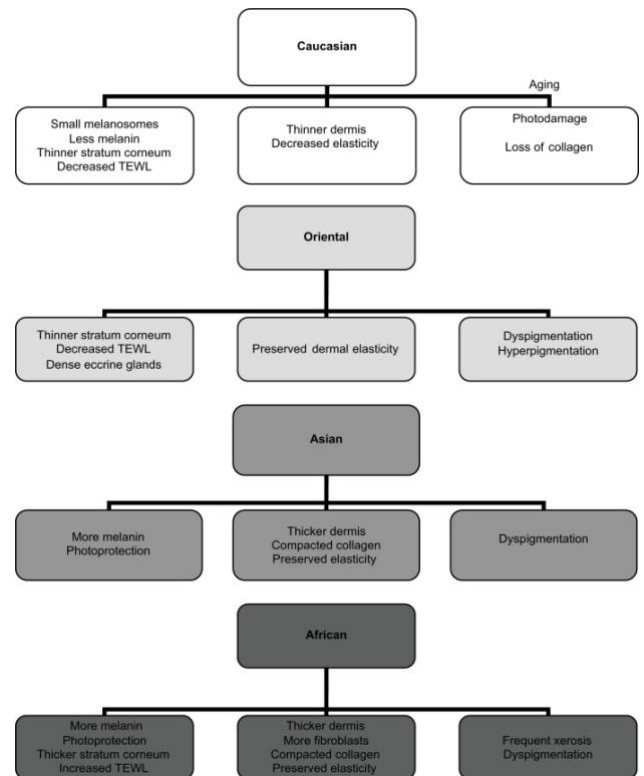
Skincare is a multibillion-dollar industry globally and more so in countries like Japan and Korea. Like our skin color, its condition is also strongly linked to the genes and the variants therein. There are thousands of skincare clinics catering to millions of customers trying to find an ideal treatment that makes their customer's skin glow and retain that for a long time. More often than not, such personalized treatments are based on human expertise and on trial-and-error basis. Sometimes, these kinds of treatments may have a long-lasting adverse effect on your skin as the genomic basis is not understood. Genomics together with transcriptomics and skin microbiome analysis not only alleviates such hazards, but strengthens the personalized skincare treatment based on solid Datascience.

Clinical Genomics



Molecular Genetics

Skincare is largely influenced by an individual's Melanogenic Pathway (skin colour) and oxidative stress response pathway besides their complex interaction with the collagen pathway. All the genes in these pathways are well studied and it has been proven that specific variants and their expression in different ethnic populations such as Caucasian, South East Asian, West Asian, Middle Eastern and African. Genes such as AHCY, ASIP, DCT are expressed at a higher level in African population. EIF6, EGFR, EIF2S2 are expressed more in West Asian and Middle Eastern population. IRF4 is associated with skin tanning in Caucasians. MC1R is associated with freckles in Caucasians. Molecular analysis of these genomic data and their corresponding oxidative stress response genes together with corresponding gene expression and microbiome data leads to Precision Skin Care



Why myClinGen?

myClinGen is a complete and comprehensive solution from sample collection to NGS Sequencing to BIG data analytics on Supercomputer to Customized reports to Cloud based Knowledgebase hosting to Genetic Counselling at affordable rates and a faster Turn Around Time (TAT).

Please see: www.myclingen.com for more information.