Nu Skin is taking the science of anti-aging to a completely new level by studying the genetic origins of how and why we age. Developed by Nu Skin in collaboration with leading scientists, ageLOC science is based on the discovery of internal sources of aging that contribute to an aging appearance, what Nu Skin calls age-related super markers, or arSuperMarkers.

Nu Skin’s exclusive ageLOC science targets these arSuperMarkers—the ultimate sources of aging that can influence how we age.

Dr. Joseph Chang
Chief Scientific Officer
EVP Product Development

Based on this discovery, Nu Skin is able to identify critical arSuperMarkers called Youth Gene Clusters, which are functional groups of genes that work together to keep us young. Only ageLOC™ is uniquely positioned to understand these age-related super markers and their influence on how we age.

By analyzing human tissue at the genetic level, we’ve learned the crucial role of gene expression in retaining one’s youth.

This revolutionary discovery is based upon Nu Skin’s exclusive collaborations with leading scientists around the globe, millions of dollars in development, and years of combined anti-aging and genetic research.

There is no doubt that in order to retain a youthful appearance, genes must regain their youthful activity patterns. By analyzing human tissues at the genetic level, we’ve learned the crucial role of gene expression in retaining our youth. Dr. Joseph Chang

These are clusters that are in order to retain a youthful appearance, genes must regain their youthful activity patterns. By analyzing human tissues at the genetic level, we’ve learned the crucial role of gene expression in retaining our youth.
Identifying the Source

The scientific community has access to the Human Genome, but Nu Skin’s breakthrough ageLOC science gives us the ability to interpret it in a meaningful way. In recent scientific discoveries, Nu Skin has identified with aging and genetics experts, the existence of what we call Youth Gene Clusters. These are groups of genes that help influence how we age. Nu Skin has found and identified these functional groups of genes that are key to how our genes express themselves as we age. Nu Skin believes that finding and identifying these functional groups of genes is the key to addressing aging at the source.

Clinical study results, genomic analyses, and substantiated research from ageLOC science has led to the identification of specific functional groups of genes—Youth Gene Clusters—that are responsible for youthful skin attributes. The expression of these genes is responsible for the appearance of signs of aging on our skin. Through ageLOC science, Nu Skin has the ability to reset these genes to behave more youthfully, helping to restore a more youthful balance in the skin.

Re-setting the balance

In order to achieve youthful skin, it is important to reset them to reflect a more youthful profile. Resetting Youth Gene Clusters is a subtle balancing process—not as simple as turning them on and off. Some genes within the cluster may need to be turned up while others may need to be turned down. Nu Skin’s proprietary ageLOC science works with Youth Gene Clusters to create a youthful balance within each cluster—returning them to their youthful patterns of activity.

Scientific Foundation

In anti-aging science, the Nu Skin team is leading the way. Nu Skin’s ageLOC research has resulted in advanced scientific formulations and enhanced anti-aging products that can redefine the future of skin care. In fact, our ageLOC laboratories are the first of their kind—Nu Skin has learned that crucial gene expressions are related to retaining youth for a longer period of time than we ever thought possible. Understanding how science can restore youthful activity patterns in our genes is the key to addressing aging at the source.

By studying the way genes are expressed in color-limited tissues, Nu Skin is continuing to analyze and interpret these gene expressions in an effort to develop new, innovative products designed to help slow the aging process. Nu Skin’s ongoing research, combined with its new research partnerships, will continue to develop and implement exciting anti-aging solutions that will stand the test of time.

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