

# REGENBIO: The Ultimate Cellular Reset

*Recharge. Reconstruct. Revitalize.*

**A New Paradigm in Bio-Intelligent Skin Science.** RegenBio is a profound biological intervention designed to reset, rebuild, and re-energize skin from within. Moving beyond surface enhancements, we address the fundamental drivers of aging to engineer a comprehensive ecosystem for skin longevity.

## The Genesis of Aging

- 🌱 Aging is a Cellular Energy Crisis.
- 🌱 **Decreased NAD<sup>+</sup>:** Leads to sluggish metabolism and impaired repair.
- 🌱 **DNA Damage:** Accumulation from UV and oxidative stress.
- 🌱 **Structural Collapse:** Degradation of Collagen & Elastin.

## The RegenBio Mandate

1. **Recharge:** Ignite cellular energy (NMN).
2. **Reconstruct:** Repair DNA and architecture (Sodium DNA/PDRN).
3. **Revitalize:** Restore deep hydration (HA + Amino Acids).
4. **Longevity:** Activate anti-aging pathways.

# The Genetic Architect: Sodium DNA (PDRN)

## Repairing the Code of Youth

At the core of RegenBio is Sodium DNA (PDRN), a highly purified signaling agent. It communicates directly with cells via  $A_{2A}$  Adenosine Receptors, triggering a cascade of tissue repair and growth.

## Mechanism of Action



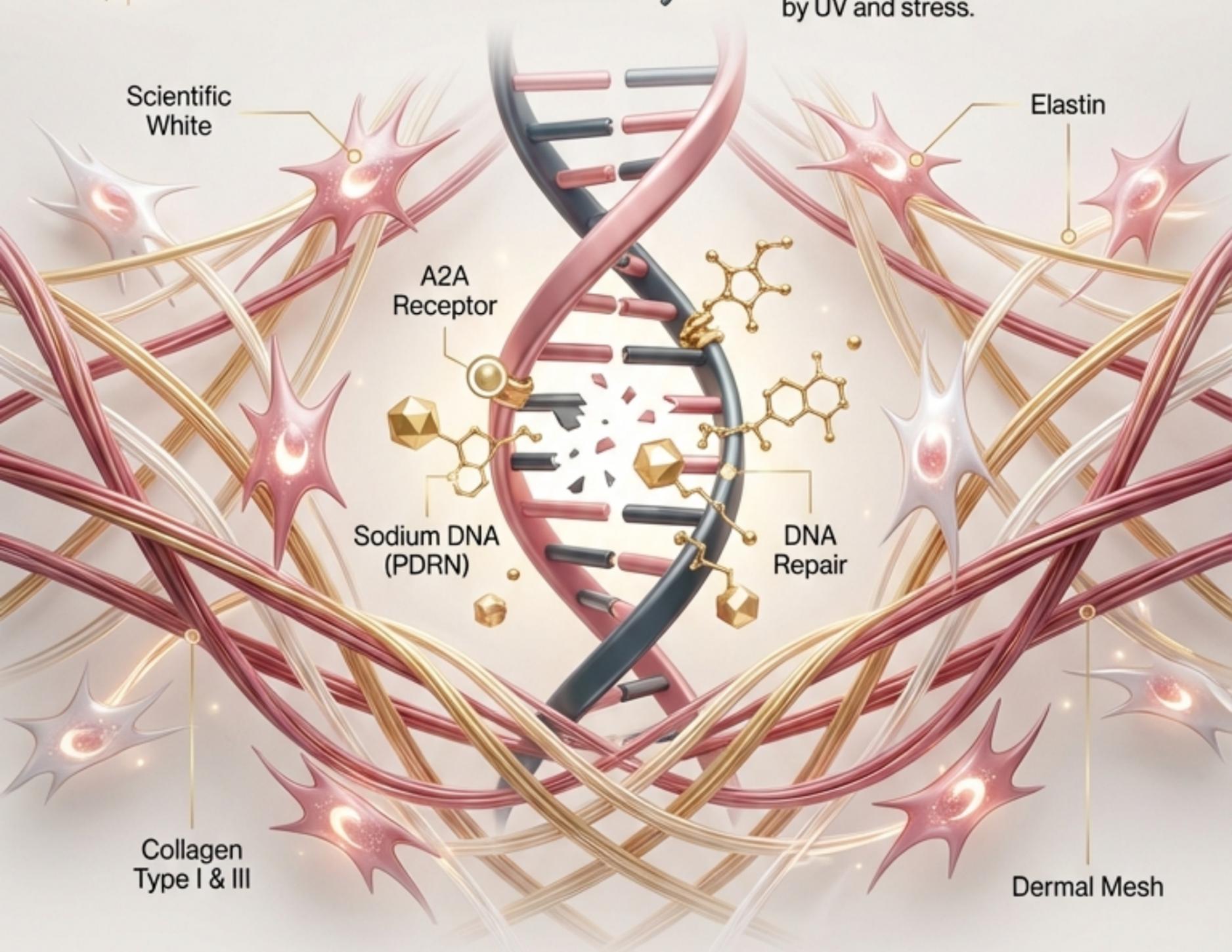
### Fibroblast Stimulation

Boosts production of Type I, III, and IV Collagen for density, and Elastin for bounce.



### DNA Repair

Provides nucleosides/nucleotides—the basic units for DNA synthesis—to mend genetic damage caused by UV and stress.



### Angiogenesis

Promotes new blood vessel formation for improved microcirculation.



### Differentiation

Guides the growth of new, healthy skin cells.

## Clinical Benefits

- Enhanced Dermal Density (Thicker, resilient dermis).
- Wrinkle Reduction (Deep structural repair).
- Accelerated Healing (Potent anti-inflammatory effects).

# The Holistic Synergy: Energy & Architecture

NMN, Hyaluronic Acid, and Amino Acids



## 1. The Fuel: NMN (Nicotinamide Mononucleotide)

NMN is the cutting-edge precursor to NAD<sup>+</sup>, the vital coenzyme for cellular metabolism.

- **Mitochondrial Boost:** Increases ATP production, providing the energy required for efficient cellular repair.
- **Sirtuin Activation:** Switches on 'longevity genes' to enhance DNA repair and calm chronic inflammation.
- **Result:** Cells act younger with improved metabolic rates.

## 2. The Matrix: HA + Amino Acid Complex

**Hyaluronic Acid (The Hydrator):**  
Holds 1,000x its weight in water, creating the optimal aqueous medium for bio-active ingredients and providing instant plumping.

**Amino Acids (The Builders):**  
While PDRN provides the blueprint, Amino Acids provide the raw material ('bricks') to synthesize new collagen and elastin proteins.



# RegenBio in Practice

## Unlocking the Skin's Full Potential



### Ideal Candidates

- **Devitalized Skin:** Dullness, fatigue, loss of radiance.
- **Aging Signs:** Fine lines, wrinkles, laxity.
- **Environmental Damage:** Photo-aging and stress.
- **Procedure Support:** Pre- and post-aesthetic treatments for recovery.

### The Treatment Journey

**Phase 2 (3-6 Weeks)**  
Visible improvements in texture, firmness, and radiance.

**Phase 1 (1-2 Weeks)**  
Immediate hydration boost and improved vitality.

**Phase 3 (6+ Weeks)**  
Deep cellular rejuvenation—significant reduction in wrinkles, enhanced elasticity, and a sustained youthful glow.

### The RegenBio Advantage

RegenBio is more than an anti-aging product; it is a cellular longevity treatment. By combining the structural repair of PDRN, the energy of NMN, and the support of HA/Amino Acids, we enable skin to function younger.