the convergence of science, beauty and affordable luxury.
innovation in every formula.

Tapping into our rich dermatological heritage, the team at skinbetter science™ set out to create a new paradigm in clinical skincare.

Cutting edge science is the principal driving force behind each of our unique formulations. Our Research and Development team seeks out breakthrough innovations from all corners of the world to deliver the clinical efficacy essential to visible skin rejuvenation, with safety as a top priority, to inspire trust in our brand.

the patient experience.

We fuse innovative technology with a patient-centric experience that fulfills the desire for a more sensorial moment. Elegant packaging and sophisticated formulas create a sense of luxury and prestige. We seek to increase your patient retention by delivering highly effective, exclusive products that are a convergence of science, beauty and affordable luxury, for an experience unlike any other.
scientific innovation: delivery is key to effectiveness.

The stratum corneum (SC) is an effective barrier to trans-epidermal water loss and penetration of exogenous substances. Ingredients such as proteins, sugars, peptides and nucleic acids generally have difficulty penetrating the SC due to their high molecular weight. These ingredients have molecular weights in excess of 1,000 Dalton (Da).¹

The 500 Dalton rule: There is evidence that ingredients have a 500 Da maximum molecular weight to penetrate the skin. The most commonly used pharmacological agents applied in topical dermatotherapy are under 500 Da.²

active ingredient delivery strategies.

A representation of the epidermis showing the three pathways for diffusion of compounds across and into the adjacent dermis, adapted from Fang et al.³
Introducing InterFuse™ technology, an innovative way to deliver skincare actives faster, deeper and with pinpoint precision.

The stratum corneum allows the penetration of lipid soluble molecules more readily than water-soluble compounds. In the case of large molecule skincare actives, which cannot cross the barrier, lipid solubility becomes a critical component of a delivery strategy.

InterFuse™ technology is a double trans-lipid system which delivers ingredients faster, deeper and with pinpoint precision.

- A lipophilic coating surrounds large molecule active ingredients.
- A skin penetration agent temporarily reduces the barrier resistance of the stratum corneum.
- The active skincare ingredient is now lipid friendly and able to go faster and deeper for maximum effectiveness.

InterFuse™ penetrates faster and deeper even with molecular weights greater than 500 Da such as hyaluronic acid at 2,000,000 Da.

A simplified schema of InterFuse™.
Hyaluronic acid topical line filler

- Patented, state-of-the-art InterFuse™ technology drives high molecular weight (1,600,000-2,200,000 Da) injectable grade hyaluronic acid faster and deeper to topically fill the appearance of expression lines.
- Four additional types of hyaluronic acids of varying molecular weights work to bind water to the surface of the skin to improve moisture retention to plump the appearance of lines and wrinkles.
- Expression lines appear immediately smoother with a blend of two neuro-calming peptides.
- A collagen nourishing complex of an amino acid building block, messenger peptides and vitamin C works synergistically to improve collagen.
- Used twice daily as the first step of the skincare regimen, this targeted formula helps reduce the look of deep wrinkles and expression lines and is complementary to in-office treatments, for enhanced results.

All Skin Types.
For deep expression lines, crow’s feet, fine lines and wrinkles on forehead, upper lip and nasolabial folds.
AM/PM

5 types of hyaluronic acid at different Dalton weights including injectable grade HA revolumize the appearance of skin and plumps fine lines and wrinkles!
clinically demonstrated results.

- 8 week study of 25 female volunteers, ages 30 to 80, with moderate photoaging.
- Twice daily application of **Intensive Treatment LINES** to target areas: crow’s feet, forehead, nasolabial folds, fine lines and wrinkles.

<table>
<thead>
<tr>
<th>EXPERT GRADING ANALYSIS SHOWED A DECREASE IN THE TARGET AREAS.</th>
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<tbody>
<tr>
<td><strong>4 WEEKS</strong></td>
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<tr>
<td>Fine lines / wrinkles</td>
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<tr>
<td>Forehead wrinkles</td>
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<tr>
<td>Crow’s feet</td>
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68% of subjects were graded as improved in the nasolabial folds.

Data on file, skinbetter science.
Eye recharger

- Revolutionary InterFuse™ technology drives a cutting edge blend of messenger peptides and building block amino acids across the barrier to invigorate collagen, improving density and firmness.

- A neuro-calming peptide relaxes the appearance of crow’s feet almost immediately.

- Vitamin C, extracted from the Australian kakadu plum brightens tired dull under eye skin. This superfruit contains the world’s richest source of Vitamin C, measuring up to 100 times the pure Vitamin C content of an orange.

- Under eye puffiness and congestion are relieved through a combination of caffeine and a highly specialized yeast derivative.

- Niacinamide reduces trans-epidermal water loss.

- Hydrolyzed lupine protein and jojoba esters improve skin’s barrier strength.

- A low molecular weight sodium hyaluronate increases skin’s moisture retention.

All Skin Types.
For crow’s feet, under eye puffiness and darkness in the under eye area.
AM/PM

A mixture of powerful ingredients for total eye rejuvenation!
rejuvenate smoothing
Daily Treatment Cream
FACE

Collagen booster
• Revolutionary InterFuse™ technology drives a super potent blend of messenger peptides to nourish five types of collagen, all critical to skin density.
• Reinforces the dermal epidermal junction (DEJ) to help protect against the look of premature skin sagging.
• Firms the feel of skin texture for a more lifted and contoured appearance.
• Surface lines appear more relaxed with a neuro-calming peptide that offers an immediate smoothing effect.
• Formulated with super potent polyphenols, derived from Mediterranean olive trees, to scavenge free radicals and help protect against the breakdown of collagen.
• A blend of shea butter and glycerin provides a breathable layer of moisture.

All Skin Types.
For skin sagging, lines, wrinkles, loss of firmness and radiance.
AM/PM

A cutting edge approach to collagen masterfully designed to defy time!
tretinoin, retinol and alpha hydroxy acids: foundational anti-aging ingredients with limitations.

alpha hydroxy acids: good but never enough alone.

- The improvement of photoaged skin is one of the most cited benefits of AHA’s. These improvements have been measured as decreases in roughness, discoloration, solar keratoses, and overall pigmentation. AHA’s also increase density of collagen and improve the quality of elastic fibers.\(^4\)
- Glycolic acid accelerates collagen synthesis by fibroblasts, and modulates matrix degradation and collagen synthesis.\(^5\)
- Glycolic acid and lactic acid have been found effective in melasma by accelerating the epidermal turnover and by directly inhibiting melanin formation in melanocytes.\(^6\)
- But, unlike retinoic acid and the retinoid based precursors, there is no evidence that alpha hydroxy acids exert an effect on toll-like receptors.\(^7\)

tretinoin and retinol: good but tension between efficacy and tolerability.

Tretinoin is one of the most studied ingredients for the restoration of photo-damaged skin. The seminal study, by Albert Kligman M.D. in 1984, was followed by years of scientific research demonstrating the efficacy and safety of tretinoin in photo-damaged skin.\(^8\)

- There are distinct limitations of tretinoin which often lead to discontinuation of therapy:\(^9\)
  - The visible benefits of tretinoin are seen very gradually and over a long period of time, sometimes frustrating patients.
  - There are common occurrences of retinoid related adverse effects such as irritation, erythema and dermatitis.
- The use of retinol in skin rejuvenation was explored as a less irritating alternative to retinoic acid. Retinol produces less trans-epidermal water loss, erythema and scaling than retinoic acid but was found to be 20 times less potent than retinoic acid, as it converts inefficiently to retinoic acid.\(^10,11\)

inefficient retinol conversion.

Retinol must convert to retinaldehyde and finally to retinoic acid, leading to less efficacy.

\[
\text{retinyl esters} \leftrightarrow \text{retinol} \leftrightarrow \text{retinaldehyde} \rightarrow \text{retinoic acid}
\]

Alpha hydroxy acids and retinoids are the ideal combination for skin rejuvenation, however, they have never been successfully combined in one stable formula... until now.
introducing one of the most powerful retinoids to enter the anti-aging market since tretinoin!

Retinoids are a critical component to managing skin aging. Results are directly linked to consistent application. However, many people discontinue use due to erythema, dryness, flaking and other noticeable side effects. Now, from the Research and Development labs at skinbetter science™, comes AlphaRet™, a revolutionary and proprietary retinoid technology product offering that provides visible skin rejuvenation with the full measure of retinoid efficacy, and better tolerability than prescription tretinoin.

The innovation:

Phase 1.
Lactic acid replaces alcohol to create a single conjugate.

Lactic Acid (AHA as alcohol) + Retinoid = Lactyl Retinoate

Phase 2.
Ethyl alcohol is fused with lactic acid to create an AHA ester alcohol.

Ethyl Alcohol + Lactic Acid = Ethyl Lactate

Phase 3.
The two conjugates are combined to create our new and revolutionary technology, AlphaRet™.

Ethyl Lactate + Lactyl Retinoate = Ethyl Lactyl Retinoate (ELR)

Optimal effectiveness.
Minimal irritation.

When applied to skin, this double conjugated retinoid undergoes a double hydrolysis to release both the collagen invigorating retinoid and the skin retexturizing alpha hydroxy acid. While these two ingredients are known to be potentially irritating on their own, the mechanism of hydrolysis creates a natural “time release” action to deliver top level effectiveness, with little to no irritation.
New gold standard

- A significant reduction in the appearance of depth and size of wrinkles is visible in as little as four weeks*, with little to no irritation.

- Proprietary and revolutionary AlphaRet™, a new skin rejuvenating technology, is the result of combining two gold standard anti-aging ingredients, a retinoid and lactic acid (AHA), to create a revolutionary double conjugated retinoid.

- Glycolic acid helps retexturize to increase the efficacy of AlphaRet™.

- A targeted peptide blend acts synergistically with AlphaRet™ to invigorate collagen.

- Squalane, naturally present in the skin’s lipid barrier, helps soften the feel of skin.

- An ultra hydrating blend of niacinamide, ceramides, fatty acids and shea butter provides deep moisture to help counteract the dryness associated with traditional retinoid based products.

- A trilogy of skin soothing ingredients including allantoin, glycyrhetinic acid, bisabolol and portulaca extract provides a sensation of calmness.

- A potent blend of antioxidants provides protection against collagen, elastin and hyaluronic degradation.

All Skin Types.
For lines, wrinkles, uneven texture, discoloration.
PM

Available in two concentrations, AlphaRet™ Overnight Cream FACE and Intensive AlphaRet™ Overnight Cream FACE, which contains a higher level of glycolic acid for increased skin retexturization.

*Individual results may vary.
rejuvenate with skinbetter science!

Power up your skincare plan with our simple to follow guide!

for deep expression lines
Intensive Treatment LINES
Apply to clean, dry skin as the first step of your skincare regimen.
AM/PM

for skin sagging, lines and wrinkles
Daily Treatment Cream FACE
May be applied following Intensive Treatment LINES.
AM/PM

for lines, wrinkles, uneven tone and texture
AlphaRet™ Overnight Cream FACE
Intensive AlphaRet™ Overnight Cream FACE
May be applied following Intensive Treatment LINES.
PM

for crow’s feet, wrinkles, puffiness, under eye darkness
Daily Treatment Cream EYE
May be applied following Intensive Treatment LINES.
AM/PM
clinical references.
