

LEADERSHIP

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INDUSTRY

Consumer Health - Skin Care and Cosmetics- Pharmaceutical - Drug Delivery and Formulation

PRODUCT PIPELINE

- Wound healing
- Acne scar treatment
- Topical anesthetics
- Anti-aging skincare
- PLGA Enhanced Drug Delivery

STRATEGIC PARTNERS

- PTD technology licensed from Bioceltran, South Korea
- Bellus Skin Cosmetics Licensed from SmartCell Tec, South Korea
- Distribution Agreements in place in EU and ASEAN countries

CONTACT INFORMATION

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Madenco Biosciences Inc. is focused on bringing products to the consumer health and pharmaceutical markets utilizing our proprietary transdermal delivery and nanoparticle formulation technologies.

OUR PROPRIETARY TECHNOLOGY PLATFORMS

Protein Transduction Domain (PTD) Technology

Our patented PTD technology enables the effective transfer of macromolecules such as proteins, DNA and peptides into the dermis by transforming them into cell-penetrating peptides (CPPs).

- Superior to liposomal formulations for transdermal delivery
- Enhanced delivery of growth factors (SP1-EGF, SP1-FGF1) to receptors

PLGA Nanoparticles Formulation for Enhanced Drug Delivery

Patented PLGA (polylactic-co-glycolic acid) is biocompatible and biodegradable, exhibits a wide range of erosion times, has tunable mechanical properties and most importantly, is a FDA approved polymer.

- Formulation adaptable to a wide range of drug molecules or proteins for topical or parenteral administration

OUR PRODUCTS

Bellus Skin Rejuvenation Serum

The world's 1st skin permeable fusion protein targeting both EGF and FGF1 receptors.

Using the skin permeable fusion protein containing Madenco's patented PTD Technology, branded as SP Technology™, Bellus Skin Serum is clinically proven to reduce the visible signs of aging in as little as 8 weeks.

Current formulation:

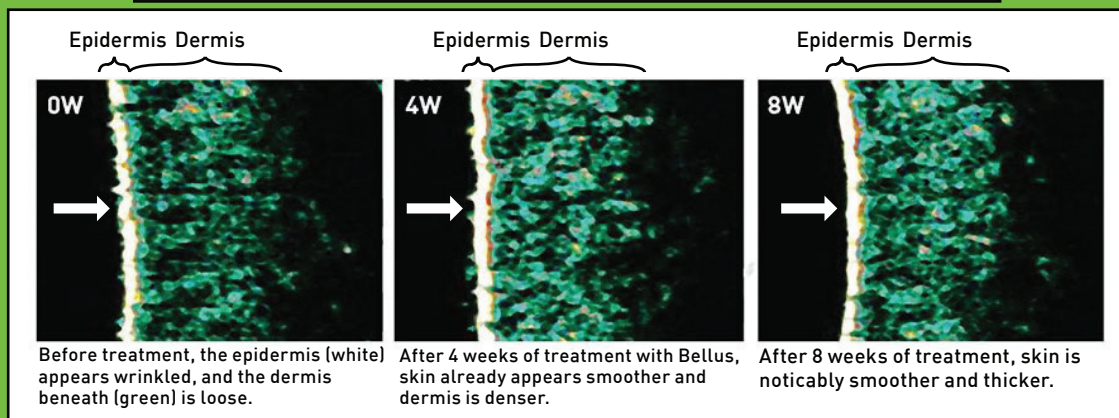
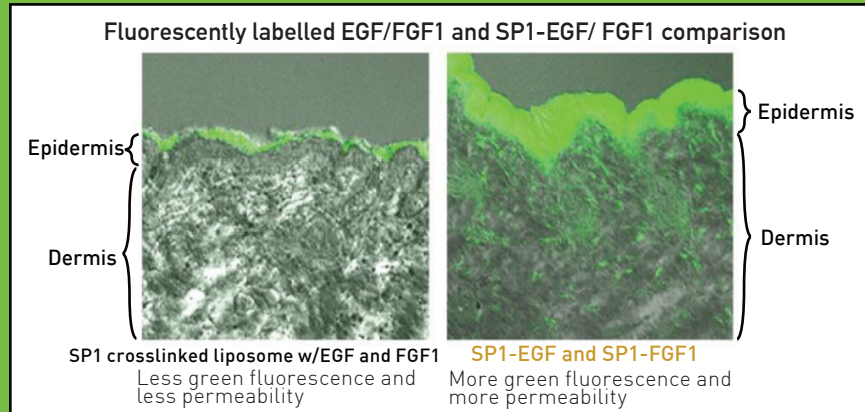
- 3 x 10ml and 1 x 10ml rejuvenation serum available in Canada online at www.belluskin.com
- Registered in Europe

SP-DERM

Our dermatology and medi-spa exclusive line

- **SP-DERM Recovery** for patients who are recovering from dermatology procedures
- **SP-DERM Maintenance** for people who wish to maintain the effects of the Bellus serum or those in a younger age bracket that haven't experienced the effects of photo aging
- **SP-DERM Acne** for people with atrophic acne scars that don't wish to go through laser treatment

PTD Technology is superior to liposomal formulations*



* An, J.J., Eum, W.K. (2013). "Protective effects of skin permeable epidermal and fibroblast growth factor against ultraviolet-induced skin damage and human skin wrinkles". *Journal of Cosmetic Dermatology*, 12, 287-295.

Four clinical studies^{1,2,3,4} have proven the active ingredients in Bellus to significantly:

- Increase dermal density, tightness and smoothness^{1,4}
- Reduce the appearance of wrinkles^{1,3}
- Reduce the appearance of pores²
- Increase elasticity¹
- Increase moisture¹



1. Korea Institute for Skin and Clinical Sciences. (2014). "Human application test of 'Bellus Skin GF Recovery Serum' for the improvement of wrinkles, dermal density, skin drooping, elasticity, and moisturization".
 2. Derma Pro Skin Research Centre. (2015). "A clinical study of skin pore shrinkage (size, number and volume) for bellus skin on human skin."
 3. Internal Study, Wrinkle analysis. (2014).
 4. An, J.J., Eum, W.K. (2013). "Protective effects of skin permeable epidermal and fibroblast growth factor against ultraviolet-induced skin damage and human skin wrinkles". *Journal of Cosmetic Dermatology*, 12, 287-295.

PLGA Nanoparticles are formulated for enhanced drug delivery

