INTRODUCTION OF COMPANY
INDEX

OGANACELL

01 COMPANY OVERVIEW
02 ABOUT PEPTIDE
03 MANUFACTURING ABILITY
04 PRODUCT
OGANA CELL is proud to have total 11 peptide researchers and the world’s best peptide technology.

**Brand**

Produce and sell of peptide cosmeceutical
Anti-aging, anti-acne, hair growth, expand product family soon.

**OEM/ODM**

Functional cosmeceutical, development of formulation
Provided ODM in Hong Kong, Korea and China, and so on.

**Ingredient**

Development of new peptide
Anti-acne, hair growth, anti-aging, moisturizing, Brightening.
COMPANY STATUS

C.E.O
Choo, Shin-hwan

Main Business
Peptide Cosmeceuticals Raw Material, ODM, Brand

Head Office
8F, 327, Dosan-daero, Gangnam-gu, Seoul, 06019, Rep. of KOREA

Factory
58 Baekseogongdan1-ro, Seobuk-gu, Cheonan city, Choongcheongnamdo
Ph.D. in Applied Biological Chemistry at The University of Tokyo
Post Doctor in Pacific Northwest Research Institute, Washington
Crystal-genomics Co., Ltd. Research Fellow
Peptron Co., Ltd Senior Researcher
Natureland Co., Ltd. Head of Laboratory
Peptron Co., Ltd Inspector

15 Years of Peptide Research Career
Domestic & Overseas Patents: 21Cases (12 registered, 9 applied)
ABOUT PEPTIDE
Peptide is a 'polymer of Amino acid' in which consists on 20 chains amino acids existing in our body, and play a role of hormone in our body. There are more than 95% of 'Ligand (Key) existing in our body.
ADVANTAGE & WEAKNESS OF PEPTIDE

**ADVANTAGE**

The Highest safety
Being a body composing substance, not harmful for human body with no side effect

The Highest bioactive effect
Being a hormone that transmits signal or gives orders in a body, the application even of small dosage of peptide of peptide show & the excellent effect

Various kind of medicine was developed by using peptide, because of excellent effect. It gave start to develop peptide for ( cosmetics + pharmaceuticals ) = cosmeceutical

**WEAKNESS**

Price is very expensive
More expensive than gold at least more than dozens of times , and more than 1 million $ per kg

<table>
<thead>
<tr>
<th>Peptide type</th>
<th>g</th>
<th>Price</th>
<th>For</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beta amyloid</td>
<td>1g</td>
<td>84,918$</td>
<td>for research</td>
</tr>
<tr>
<td>Exendin4</td>
<td>1g</td>
<td>12,737$</td>
<td>medical supplies</td>
</tr>
<tr>
<td>Octreotide</td>
<td>1g</td>
<td>2,972$</td>
<td>medical supplies</td>
</tr>
<tr>
<td>Melanostatin5</td>
<td>1g</td>
<td>849$</td>
<td>for skincare</td>
</tr>
<tr>
<td>Argireline</td>
<td>1g</td>
<td>101$</td>
<td>for skincare</td>
</tr>
<tr>
<td>Gold</td>
<td>1g</td>
<td>42$</td>
<td></td>
</tr>
</tbody>
</table>

It was got much attention due to the excellent bioactive effect raw material of Cosmetics owing to the excellent bioactive effect and clear mechanism of action, but is used only for some Cosmetics of high price, or minute amount is just contained, which is difficult to show the real effect because of very high prices.
HISTORY OF PEPTIDES

Before 70s

Peptide was called as precious substance of hormone which was from God. As everyone knew that it is existed in the body, but very difficult to synthesize freely. (Novel prizes awarded 3 times with only basic research)

80s

Regular synthesis became available while the synthesis method was developed in the early 1980s.

After 90s

Various Peptide Pharmaceuticals are being developed. (Currently more than 50% of injections are Peptide Pharmaceutical.)

2004

It was used as the raw material of Cosmetics for the first time by Sethema Company in France.
Finding Active site of protein

General research method of peptide developing company
High developing cost for finding high active peptide, and high ingredient cost because of longer chain of amino acids

By changing sequence of amino acid, reduce the number of amino acid, and raise the activity
Expect higher active peptide, and popularization of peptide ingredient due to lower production cost from lower number of amino acid

Synthesize peptide with bio active small molecule and expand new ingredient categories
Responded technology for needs about multi-functional products in cosmetics, possible to develop higher active ingredient

In pharmaceutical, there are some attempts to develop Novel Peptide and Fusion Peptide, but in cosmetic ingredients fields, only biomimetic peptide is developed.
OGANA CELL is excellent in popularization and applicable research of Novel Peptide and Fusion Peptide as well as developing specific part of protein to peptide.
MANUFACTURING ABILITY
**CORE TECHNOLOGY ABILITY**

**Capability of Developing Novel Peptide**
Develop new improved peptide in activity and productivity as compared with existing peptide (activity 🡻 & amino acids 🡻)

CIL-020, anti-acne peptide, has 1/3 decreased length with improved efficacy compared to UCLA medical school.

CIL-011, anti-wrinkle peptide, has 23% improved efficacy than Palmitoyl-Pentapeptide-4 (France company “S”).

**Source:** ChungNam Medical University In-vitro Test (2013.04)
Capability of Developing Fusion Peptide
Developing multi-functional new peptide by conjugating peptide and non-peptide active small molecule
Developing fusion peptide of CPP (Cell Penetrating Peptide) with peptide which directly resolve fat for lipolytic peptide
Manufacturing Capacity of Peptide
BioActron 300MTM

| Novel Peptide | Fusion Peptide | Synthetic Technology |

**Strength**
- Maximize production efficiency
- Lower the cost with high yield
- Minimize the loss by controlling climate and humidity

- Maximum capacity: more than 200g(batch)
- Production yield: more than 90%
- Specialize in cosmetic ingredients

▲ Peptide Synthesizer (BioActron 300MTM)
PRODUCT
P-Line
Peptide Concentrating Series

1. Containing 5 types of high-content Peptide

Peptide: High price premiere material that usually use at luxury brand such as Lancome, Esteelauder, Laprairie. (it is more expensive than gold and costs more than million won in 1g)

- **WrinkleFree-J316™ Peptide** (10-1573745)
  It developed after many years of research which accelerates creating collagen that improves skin elasticity and wrinkle. Increases collagen synthesis ability to 150% (Result from Chung-nam medical school)

- **Triple-M Complex™ Peptide**: It is a moisturized component that is originally from skin natural moisture factor which keeps moisture balance.

- **Acetyl Hexapeptide-8**: Peptide that is famous for ‘Spreading Botox’

- **Copper Tripeptide-1**: Peptide which is effective for skin recover, increasing elasticity and antioxidation

- **Nonapeptide-1**: Peptide that is good for skin whitening by blocking creation of melanin

2. Max 500ppm of Peptide content: Normally Peptide content in Korea cosmetics is 1~10ppm.

3. It helps synthesizing collagen and skin recover which makes skin elastic

4. Safe product that consist of components which is lower than EWG level 2

5. Test finished: All the products have no stimulation to skin
PEPTIDE CONCENTRATING TORNADO CLEANSER

- **Bio-Fiber™**, which is designed in a form of superfine fibres, removes heavy metals and dusts from the skin

- **Bio-Shield™** left moisturises from natural moisture factor and removes useless wastes, dead skin cell and dusts

- High content **Peptide 200 ppm**

- High detergency, Low skin stimulation, product that keeps lots of moisture after washing face

- Directions: After wash the face, apply suitable amount and start cleansing.
PEPTIDE CONCENTRATING HEAVEN WATER

- The best balancing of elasticity, moisture, calm
- Arranges skin and makes the face moisturized
- High content Peptide 520 ppm
- Directions: After cleansing, apply suitable amount and start tapping the face softly
PEPTIDE CONCENTRATING
AMAZING LOTION

• Optimum balance of moisture and sebum provides enough sebum and refreshed feeling

• Mild lotion which is lower than EWG level 1, no stimulation to sensitive skin

• High content Peptide 650 ppm

• Test finished: no stimulation to skin

• Directions: Apply suitable amount and start massaging the face
PEPTIDE CONCENTRATING MIRACLE AMPLE

- Because of compound between Peptide and vitamin, you can experience strong antioxidation.

- Miracle antioxidation power that changes brown apple to white

- Just 4 weeks, you can experience elasticity, skin recover and whitening

- High content Peptide 500 ppm

- Directions: First press the button. Compound of Peptide and vitamin will mix with ample. Shake the bottle and apply suitable amount and start massaging the face. Keep in refrigerator after open for better result.
PEPTIDE CONCENTRATING TRUE CREAM

- High content of peptide product for collagen creation and skin recovery
- High enrichment of Peptide accelerates synthesis of collagen which strengthen skin elasticity and increases skin cell regeneration
- Nutrient cream that strengthen skin barrier and balances skin moisture and sebum
- High content Peptide 760 ppm (Contains 175 times more than L company’s Peptide cream product)
- Directions: Apply suitable amount and start massaging the face
PEPTIDE RECOVERY CREAM

- **OGANACELL RECOVERY CREAM** is composed of 10 special components for your skin, helping to be **elastic** and **moisturize**.

- It helps balance out the moisture in your skin and improves for wrinkle.

- High content **Peptide 100 ppm**

- Directions: After apply the appropriate amount on your face, massage the face softly for absorption.
OGANA CELL has an about 3,000m² factory for manufacturing its own cosmetics.

Possible to produce over 100,000ea a day

Our peptide developing capabilities and a factory with an effective production line make it possible to provide excellent products with high concentration of peptides and with competitive price compared to other products.

We produce competitive formulations based on our 20 years experience of working in cosmetics industry.
CONTACT WITH OGANA

http://oganacell.com/index.html

https://www.facebook.com/oganacell/

https://www.instagram.com/oganacell/
THANK YOU

Contact Point
OGANACELL Co., Ltd
Choo, Shin-whan (CEO)
+82-10-3100-7949
chuu@ogana.co.kr

OGANACELL Co., Ltd