

STC



STC



Pioneering life science research
for mankind



STC

Making young 100 years & healthy 120 years into a reality

Founded in 1989 with the principles of contributing to mankind by developing cell treatment with a righteous mind, STC Stem Cell Treatment & Research Institute, together with the Stem Cell Research Center, Agricultural Life Sciences Research Center, Lifestyle Sciences Research Center, New Drugs Development & Research Center and the Gene Research Center are moving towards making the young 100 Years & healthy 120 years into a reality.

In 2013, STC discovered the newly Elicited Stem Cell without side effects (STC-nEPS) for the first time in the world. Using the same, STC has successfully differentiated into a pancreatic β - cell, chondrocyte, osteoblast, adipocyte, hepatocyte, and neurocyte.

We are now in the process of developing every tissues and organs with the rapidly evolving 3-D printing technology.

As a leading life sciences company, STC's mission lies in contributing to the mankind by developing treatments for incurable diseases with its leading stem cell based technology and Energy Water, a new growth factor.

*STC-nEPS : newly Elicited pluripotent stem cells without side effects by natural compound



STRI

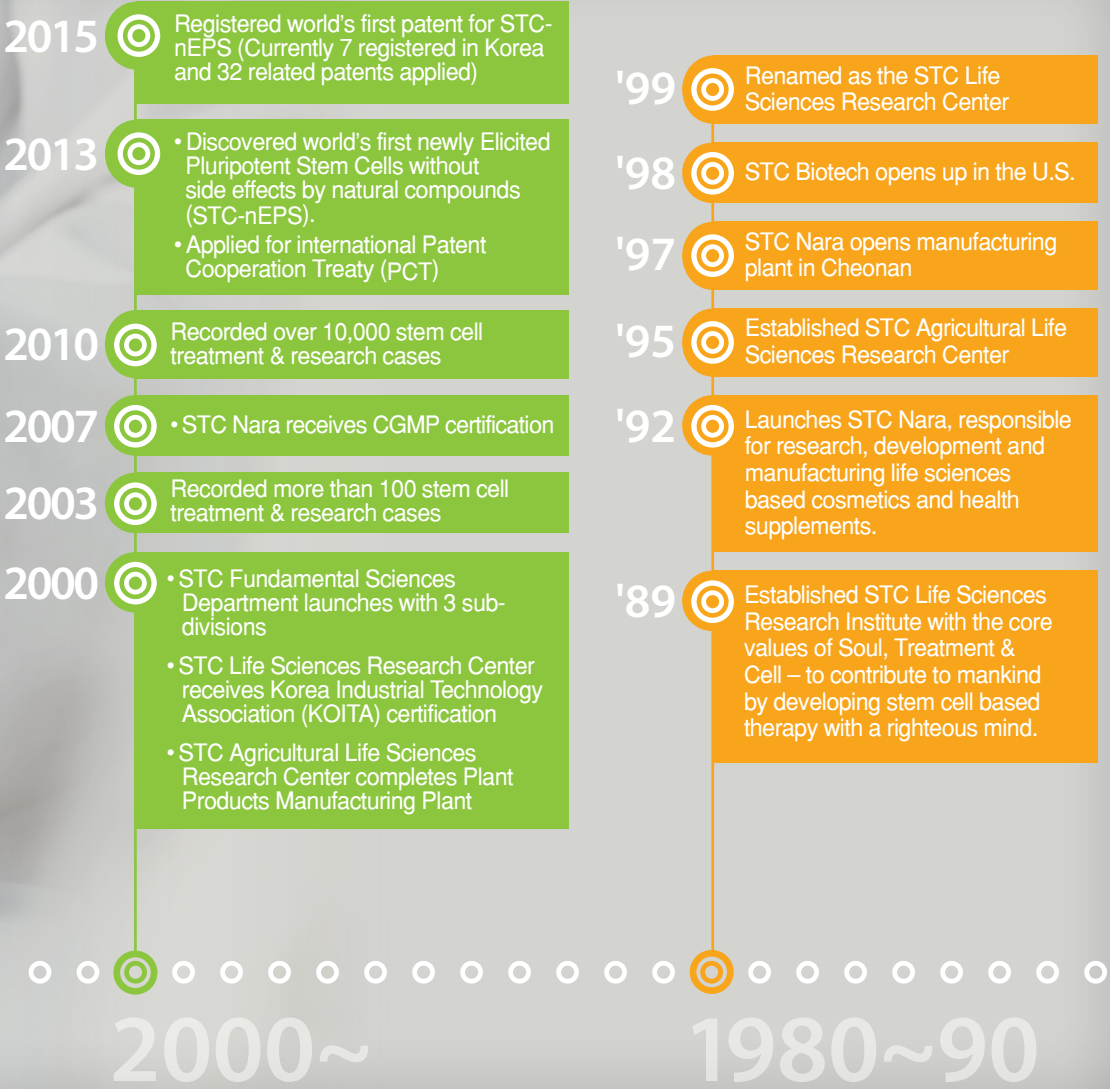
In 2013,
STC Stem Cell Treatment & Research Institute (STRI)
discovered the newly Elicited Stem Cell
without side effects (STC-nEPS) with its very own technology.

STC
Stem Cell
Treatment & Research Institute

Free from every side effects visible
in iPS (induced Pluripotent Stem Cell) and embryonic stem cell,
STC-nEPS is expected to bring the quality of life
for mankind into a whole new paradigm.

www.stcstri.com

STC's History





Founder's Message

Respect for Mankind
Living Tomorrow
Changing the World

Tomorrow becomes a reality with
STC science & technology

Seven decades have passed since the Second World War ended and Korea celebrated its independence. Albert Einstein's theory of relativity changed the whole paradigm in Physics, man first laid foot on the Moon during the '60s and today people are talking about journeying to Mars.

Civilization, culture and knowledge is changing rapidly. Owing to stem cell research, mankind have come closer to answering the eternal question of birth, old age, sickness and death and we're ready to celebrate the young 100 years-of-age.

STC-nEPS, a pluripotent stem cell without side effects, is a true marvel and innovation to create a new paradigm in science and open up a new chapter in history for all of mankind. With vision as a world leading bio company, it is our ardent wish that this discovery will contribute to the society and mankind in a way it truly deserves.

Founded in 1989 and celebrating its 26th anniversary, life science company STC has continued to make great strides including research and development of the world leading stem cell technology and energy water.

We believe such meaningful discovery will enable us to contribute to human health by means of extending life and anti-ageing. Furthermore, research in the field of agricultural sciences is yielding agricultural productivity as well as improving earth's environment. Firm belief in the company's mission to contribute to the health and improving the quality of mankind life by every employee and stakeholder has enabled us to move on during the past decades.

Moreover, health supplements and beauty products developed with stem cell and energy technology have served us as a valuable means for us to reach our audiences directly. STC is building on tomorrow and with its mission to contribute to the mankind, we continue to grow with our customers. We look forward to your continued support and hereby express our utmost appreciation.

Chairman Kye-Ho Lee

Research
based company

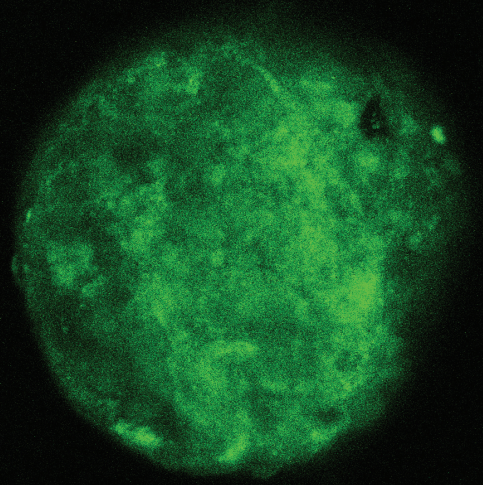
STC

has come up with its very own technology to develop the newly Elicited Pluripotent Stem Cell without side effects, for the first time in the world.

Using this innovation, STC has successfully differentiated the STC-nEPS into a neurocyte, pancreatic beta cell, chondrocyte, osteoblast, adipocyte and hepatocyte.

Using world's leading stem cell technology, STC believes that worldwide distribution of its pluripotent stem cell, STC-nEPS along with its applied research, will bring mankind closer to its mission, to be free from illnesses.





STC-nEPS

STC - newly Elicited Pluripotent Stem cells without side effects
by natural compound

STC-nEPS

newly Elicited Pluripotent Stem cells without side effects
by natural compound

nEPS(newly Elicited Pluripotent Stem cells without side effects by natural compound), which pluripotency is induced from a Mesenchymal Stem Cell.

Free from side effects and immune rejection responses,
STC-nEPS is good for immediate use on anyone.

The newly developed pluripotent stem cell was discovered using STC-F002,
extracted from a natural products.



Good for immediate and wide use on masses
Enables customized stem cell treatment using one's own stem cells
Safe and powerful. Good for immediate clinical application



Free from cancer
Free from immune rejection responses or mutation



Faster cell activation and proliferation
High production efficacy

www.stcstri.com

STC-nEPS

Application

Free from side effects, good for wide use and with superior production efficiency, technological innovation behind STC-nEPS is expected to change the paradigm of the life sciences industry.

The pluripotent stem cell STC-nEPS will be able to treat different diseases with ease and speed.

Not only will mankind live longer, they will live on healthy and beautiful.

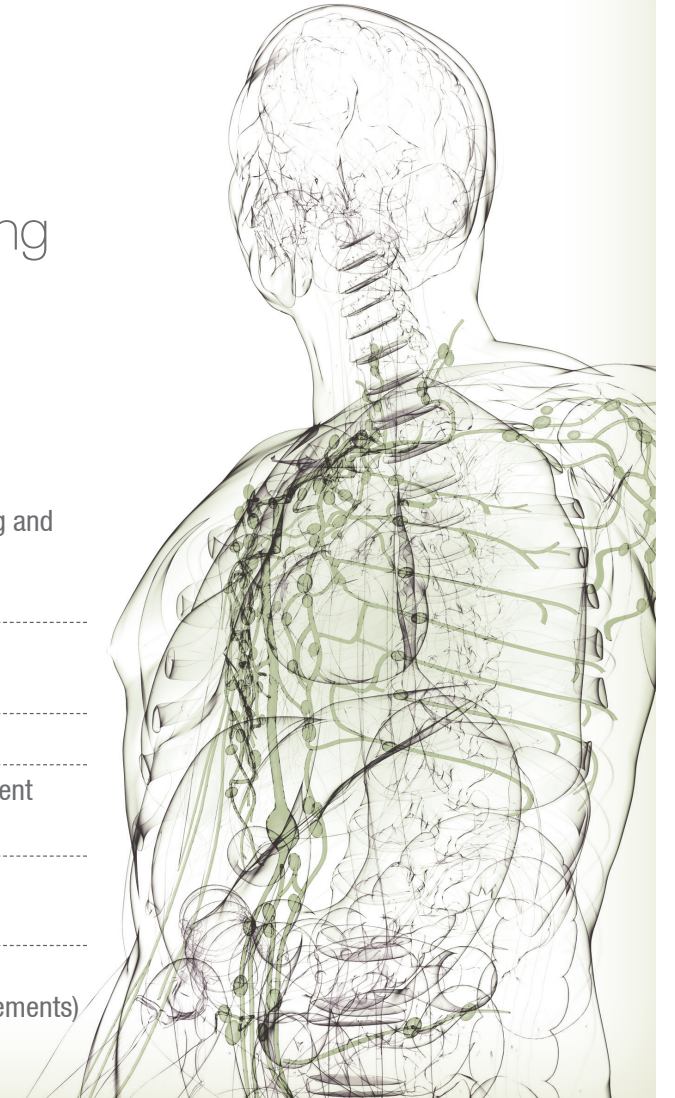
Changes will take place in many areas of human lives.

Application of STC-nEPS is expected in the following business areas.

Treatment cases using STC stem cells

: In cooperation with 97.7 B&H Clinic

- To treat incurable diseases, Down-ageing and cosmetic surgery
(Cosmetic and rehab purposes)
- Supplying to world medical centers
(Customized and for wide use)
- Stem cell banking
- New drugs toxicity and efficacy assessment system using human stem cells
- Transplanting differentiated organs and differentiated cell treatment
- Stem cell related products
(treatments, cosmetics and health supplements)



Business Prospects with **STC-nEPS**

By changing the paradigm in world stem cell industry,
STC-nEPS will enable our growth into a world leading
bio company, accompanied by an explosive growth
in the world stem cell market.

Business prospects
with STC-nEPS may be
categorized into
treatment, supply,
GF(Growth Factor),
drug non-clinical test,
rejuvenating cell,
and cell differentiation
treatment.

Details are as follows :

1 Treatment Business (Total medical service)

- Stem cell treatment center
- Medical hotel
- Stem cell research center
- Stem cell banking

2 STC-nEPS Supply Business

targeting worldwide stem cell clinics, pharmaceutical companies and research centers to offer individually tailored diseases treatment

3 A Stem Cell Growth Factor is a generic term used to name a polypeptide created in the process of stem cell culturing that boosts cell division, growth and differentiation.

- Cosmetic ingredient
- Health supplement ingredient
- To supply as manufacturing ingredient

4 Non-Clinical drug testing business

Targeting the global animal non-clinical testing market, STC-nEPS cell testing possesses the following features.

- Efficacy and toxicity testing by differentiating STC-nEPS into a human organ cell
- Superior verification effect on human body
- Free from ethical controversy

5 Rejuvenating Cell

STC-nEPS is a pluripotent stem cell capable of treating incurable diseases and Down-ageing functions. Very soon we wish to upgrade this innovation into STC-nEPS 2 with a rejuvenating function added to this pluripotent cell.

6 Cell Differentiation Treatment

To differentiate into an organ cell in need, natural compound or a stem cell growth factor is added to the cell to induce differentiation into only a human organ cell in need. By replacing the tissue cell directly, treatment efficacy will improve but with low cost.

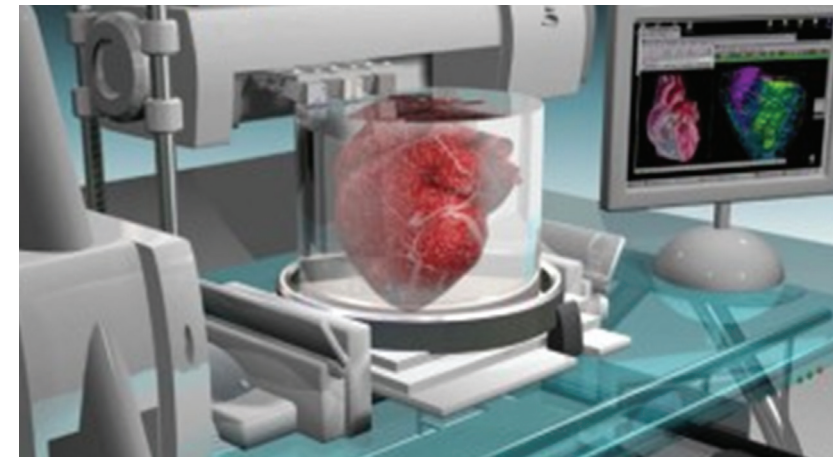
- Source treatment of diseases
- Cell / tissue alternative treatment

Developing artificial human organs using **STC-nEPS**

With STC-nEPS aided by 3-D printing technology,
we will be able to develop artificial human organs including heart,
liver, and kidney.

This is made possible because of its pluripotency which
has enabled STC-nEPS to differentiate into a neurocyte,
pancreatic beta cell, chondrocyte, osteoblast,
adipocyte and hepatocyte.

Active researches have been conducted in the field
tissue engineering to apply fibroblast cells in developing blood vessels,
muscles and skin. However further progress was needed
to develop a fully functional human organ and
we believe STC-nEPS will be able to fulfill
this functional aspect required.





ENERGY WATER

Energy Water is

a functionally optimized water to maintain a life phenomenon.

Re-constructing molecular arrangement of water will enhance its structural order and control entropic (entropy = molecular disordering, i.e. causes of ageing) expansion.

Containing dynamic stability for abnormal cells and information for body balance, Energy Water will restore human body to its original healthy state.

It will make the healthy genes and make the abnormal genes extinct show up again.

www.energywater.com

Energy Water will

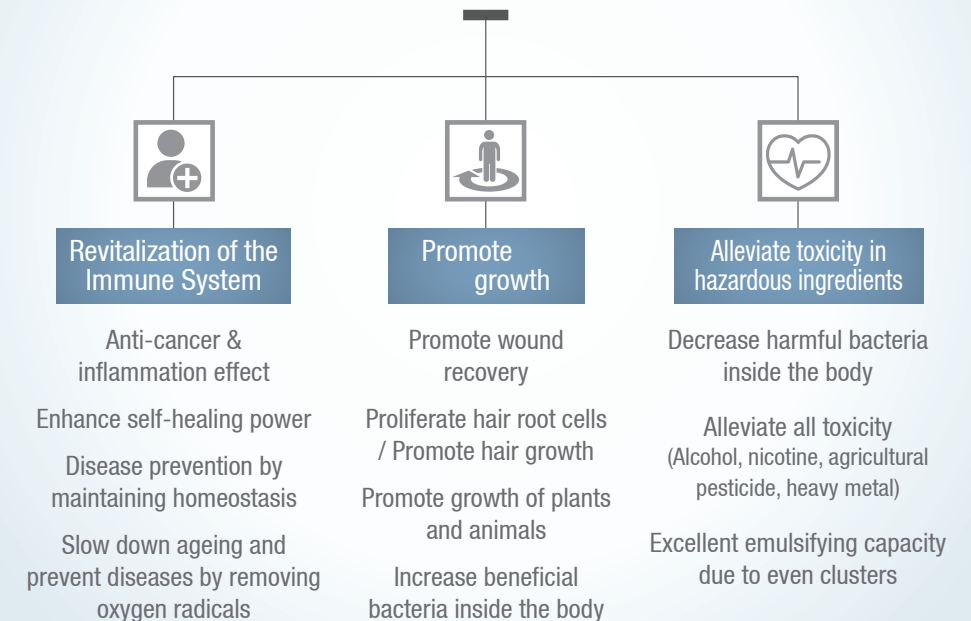
help the human body to overcome the disorderly surroundings and recover its orderly state by creating a healthy environment from inside and out.

Adding inorganic ion while exerting electromagnetic force from the outside will restore order in the layout of the water molecular structure.

Resonance of the water molecules using energy wavelength will reinstate its natural condition and lastly, entering information related to body balance will complete the process to create energy water.

Benefits of Energy Water

Revitalization of the immune system, promote growth, and relieving toxicity from hazardous materials are among the benefits of Energy Water.
Detailed research outcome are as follows



Above are a joint research outcome by Biochemistry School, Korea Molecular Medicinal Nutrition Research Institute at Korea University Medical School and the MetaBio Research Institute.



Join Us in Living Tomorrow

For decades, STC has been living tomorrow while diligently pursuing a better tomorrow for mankind through science and technology.

Such continued even when life science was hardly known and the world had little faith in this category of science.

Discovering the Newly Elicited Pluripotent by Natural Compound (STC-nEPS) in 2013 provided STC an opportunity to look at the world with a whole new paradigm which enabled us to successfully differentiate STC-nEPS into the pancreatic β -cell, chondrocyte, adipocyte, hepatocyte and the neuron.

Furthermore, with advance of the 3-D printing technology, we believe that making of every tissues and artificial organs have come closer at our doorsteps.



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