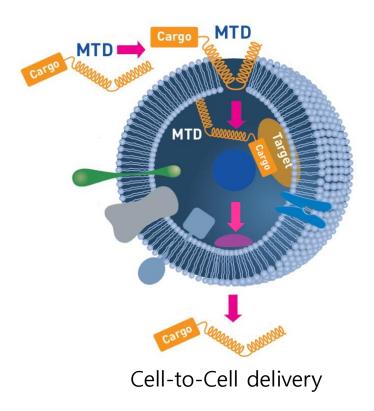
ProCell Therapeutics, Inc. PII-SKIN SCI Journal

2017. 05. 10



Platform Technology : MITT™



Cargo (Functional Material)

Therapeutic antibodies
Recombinant Proteins

Peptides

siRNA and DNAs

Low MW molecule(chemical)

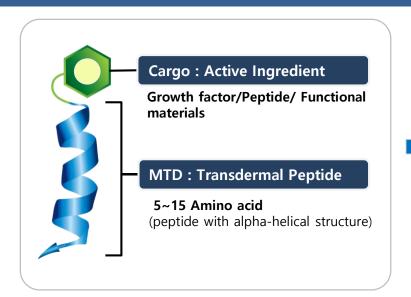
Nano-particle or liposome

◆ MTD (Macromolecule Transduction Domain)

Consist of 5~15 amino acids Intracellular Cargo delivery

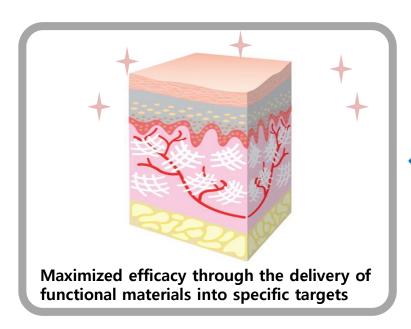
- MITT Macromolecule Intracellular Transduction Technology
- MTD Macromolecule Transduction Domain
- PII-SKIN "Penetrating to Skin"

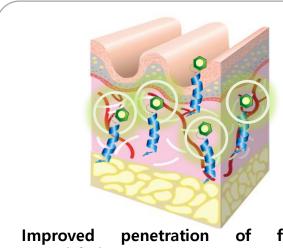
PII-SKIN Platform technology



 PII-SKIN Platform technology to improve transdermal delivery of functional materials

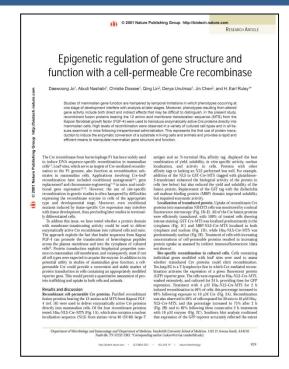
: Anti-aging/wrinkle, Hair growth, Brightening, etc.





Improved penetration of functional materials into stratum corneum and other skin layers by MTD

SCI Journal of ProCell Therapeutics







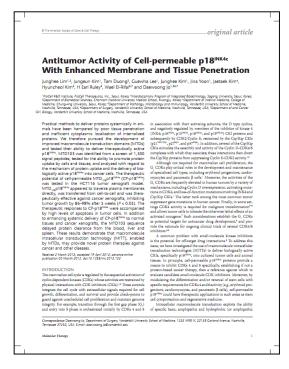
Nature Biotechnology

Nature Medicine

Nature Neuroscience

- Nature Biotechnology : MTD development history Personal paper of founder
- Nature Medicine: Study of MTD applied to immunotherapy proteins Personal paper of founder
- Nature Neuroscience: Study of MTD applied to brain therapeutic proteins
 - KIST & Procell jointly published paper.
 - Provided MTD for KIST research.
 - An example of proven MTD technology from other organizations.

SCI Journal of ProCell Therapeutics







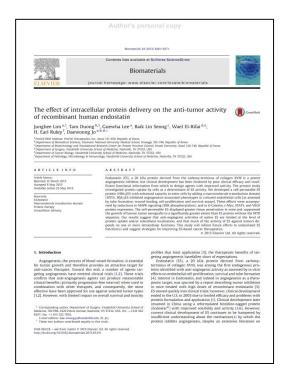
Molecular Biology

Cancer Research

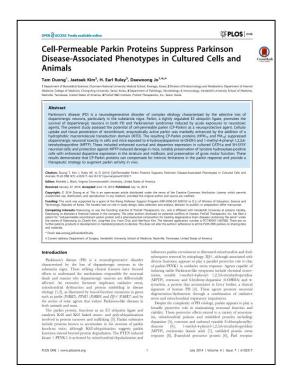
Clinical Cancer Research

- Molecular Biology & Cancer Research & Clinical Cancer Research & Biomaterials
 - : Study of MITT applied to development of anticancer drug
 - A paper published by Procell

SCI Journal of ProCell Therapeutics







Biomaterials

Scientific Report

PLOS One

- Scientific Report: Study of MITT applied to development of induced differentiated stem cells
 - A paper published by Procell
- PLOS One: Study of MITT applied to development of Parkinson's remedy
 - A paper published by Procell

Summary

- Journals of Procell is focused on the study of
 "Development of Cell-permeable Protein Therapeutics for New Drug Development"
 applying MITT, the Source technology,
 and MTD (Macromolecule transduction domain), the basis of technology.
- PII-SKIN is a technique of MITT applied to skin, as one branch of MITT, and works by MTD, permeating skin cells, is applied to various substances (eg, growth factor, peptide).
- This is included in the technology of MITT & MTD,
 which allows substances to function by imparting cell permeability.
 And each study can be used as a resource to confirm the technology.