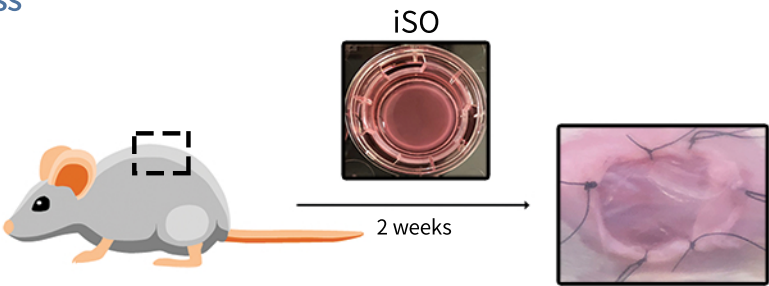


Fibrosis

Fibrosis model using induced pluripotent stem cell-derived fibroblast. We provide efficacy evaluation service focused on anti-fibrotic effect of novel treatments using iPSC-derived skin graft model.

* Disease : Systemic sclerosis (Scleroderma)

▪ Service process



▪ Gene expression level

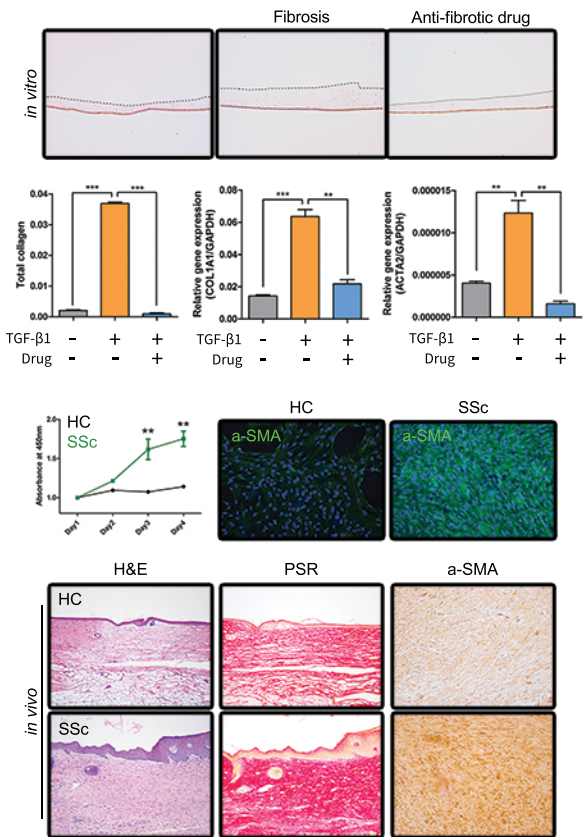
- COL1A1, COL1A2, COL3A1, ACTA2

▪ Cell proliferation analysis

- Cell counting kit-8 assay, BrdU assay
- Migration assay

▪ Analysis of fibrosis

- a-SMA expression
- Total collagen expression
- Picro Sirius Red stain
- Masson Trichrome stain
- Anlysis of skin thickness



“Stem Cell Res Ther. 2018 Aug 13;9(1):217. doi: 10.1186/s13287-018-0958-2.”