Outline of P&D Project

「Development of method for complex tissue regeneration via tissue embryonization」

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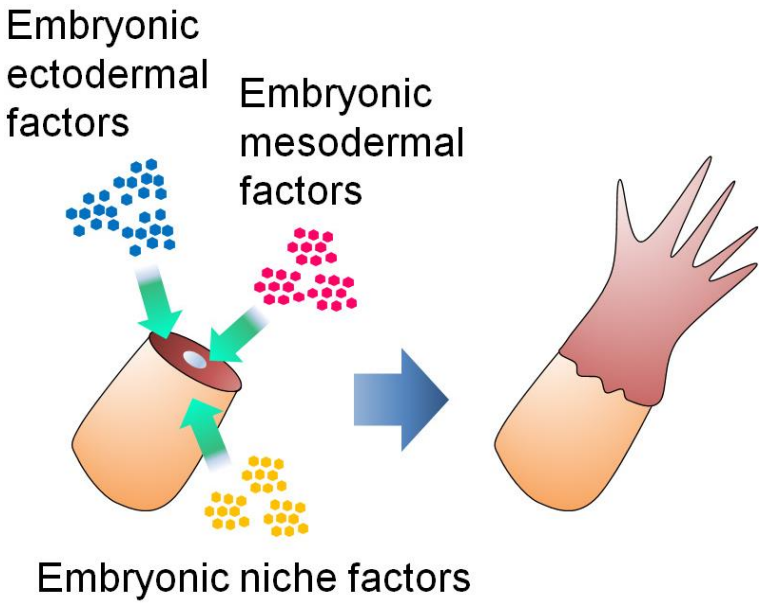
Outline of P&D Project

Based on engineered gene transfer, the present research project targets the recovery of damaged compound tissues and organs that are generally considered impossible to regenerate, by means of induction of multiple adult cells into precursor cells similar to embryonal cells. We seek to develop a method for regenerating lost limbs and restoration from age-related tissue degeneration using a substantially feasible method for clinical settings.



Expected Breakthroughs by 2040

- Method to regenerate defected limbs.
- Method to recover from age-related skin degenerations.
- Preventive measure for age-related musculoskeletal tissue degeneration to enable the elderly remain active.
- Facilitate “inclusive society” by expanding independent life.