

# Tissue Repair via Acellular Stem Cell Therapies

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## What is it?

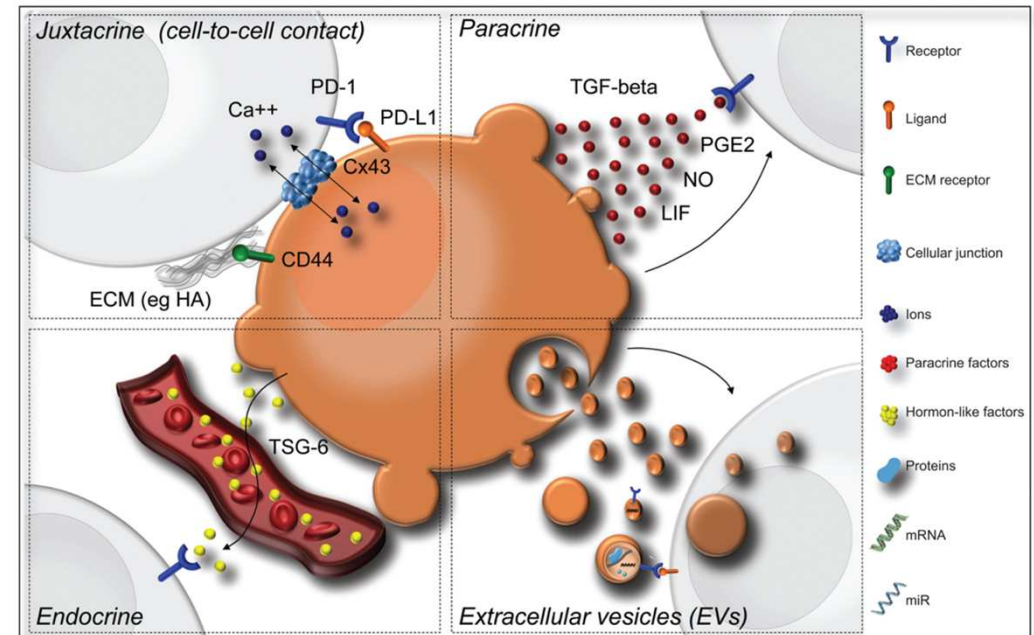
This is a first aid kit that stem cells release and that can be used to develop acellular therapies

## How do you propose to tackle this?

Study how stem cell (exosome-mediated) signalling and its effects on adaptive and innate immune responses (protective immunity)

## Difficult Challenges

- Manufacturing (stability and scalability)
- Selectivity
- Distribution (and imaging)
- Dose and route of injection
- Therapeutic niche of action



Pluchino and Cossetti, *Glia* 2013 Sep;61(9):1379-401