

Stamceller – hva er de og hva kan de brukes til?

Joel C. Glover

Avdeling for molekylær medisin

Institutt for medisinske basalfag

Universitetet i Oslo

Nasjonalt senter for stamcelleforskning

Oslo universitetssykehus

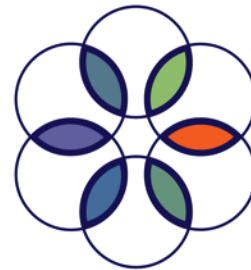


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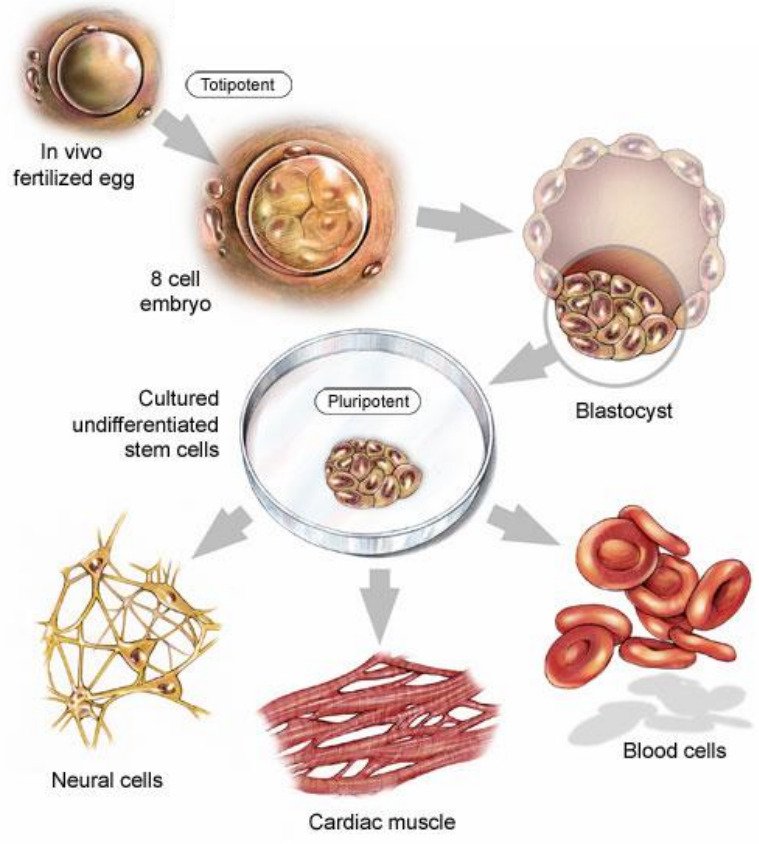


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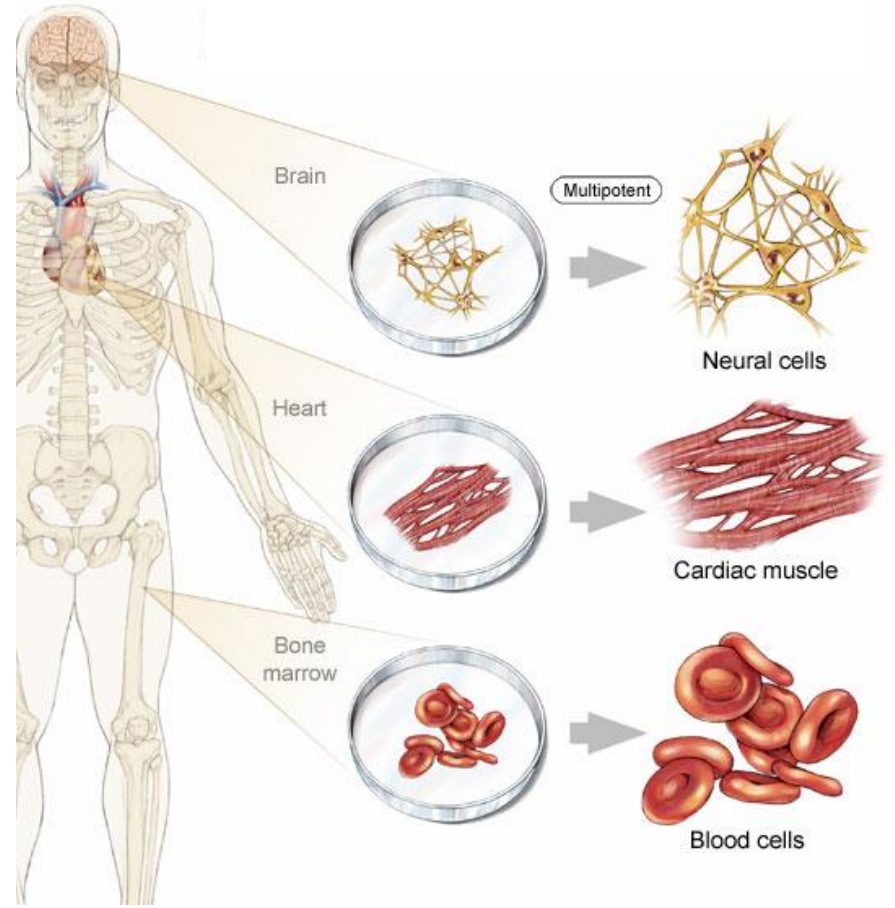


NORWEGIAN CENTER FOR
STEM CELL RESEARCH

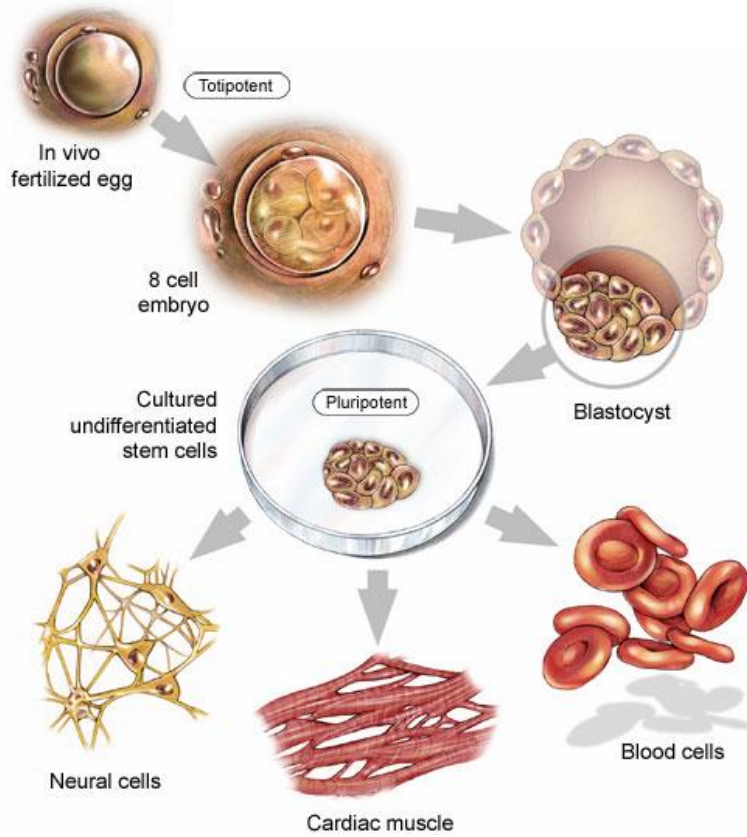
Embryonale stamceller



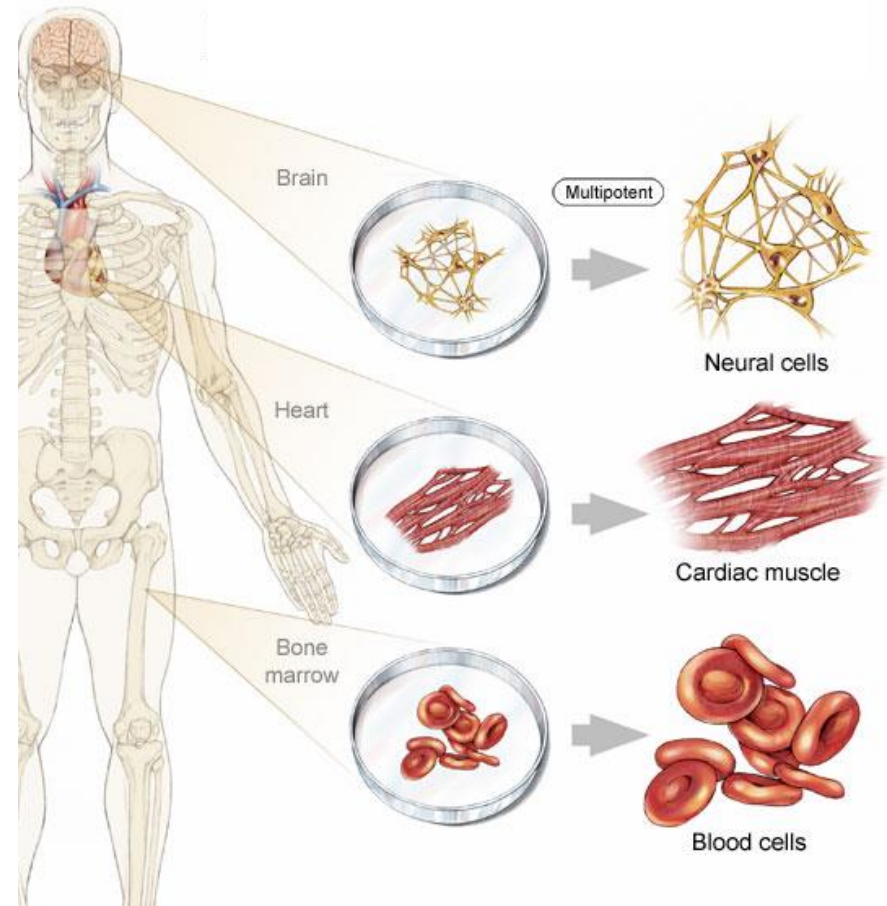
Somatiske stamceller



Embryonale stamceller



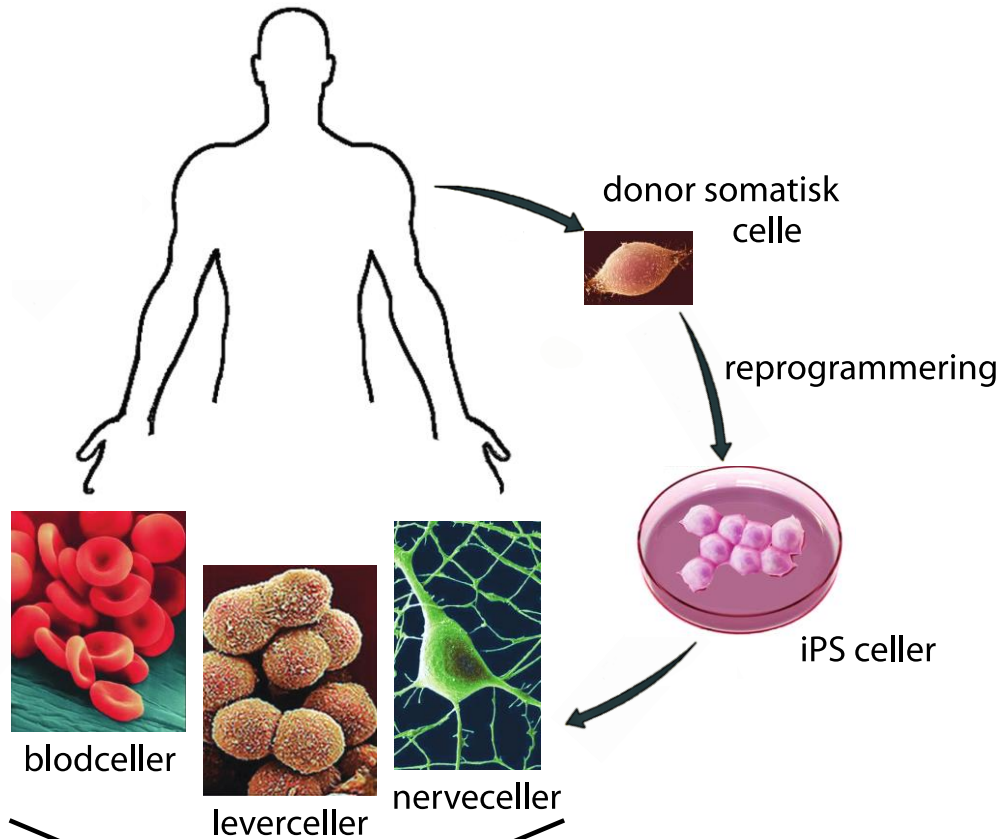
Somatiske stamceller



er pluripotente = kan lage alle celletyper

induserte pluripotente stamceller (iPS celler)

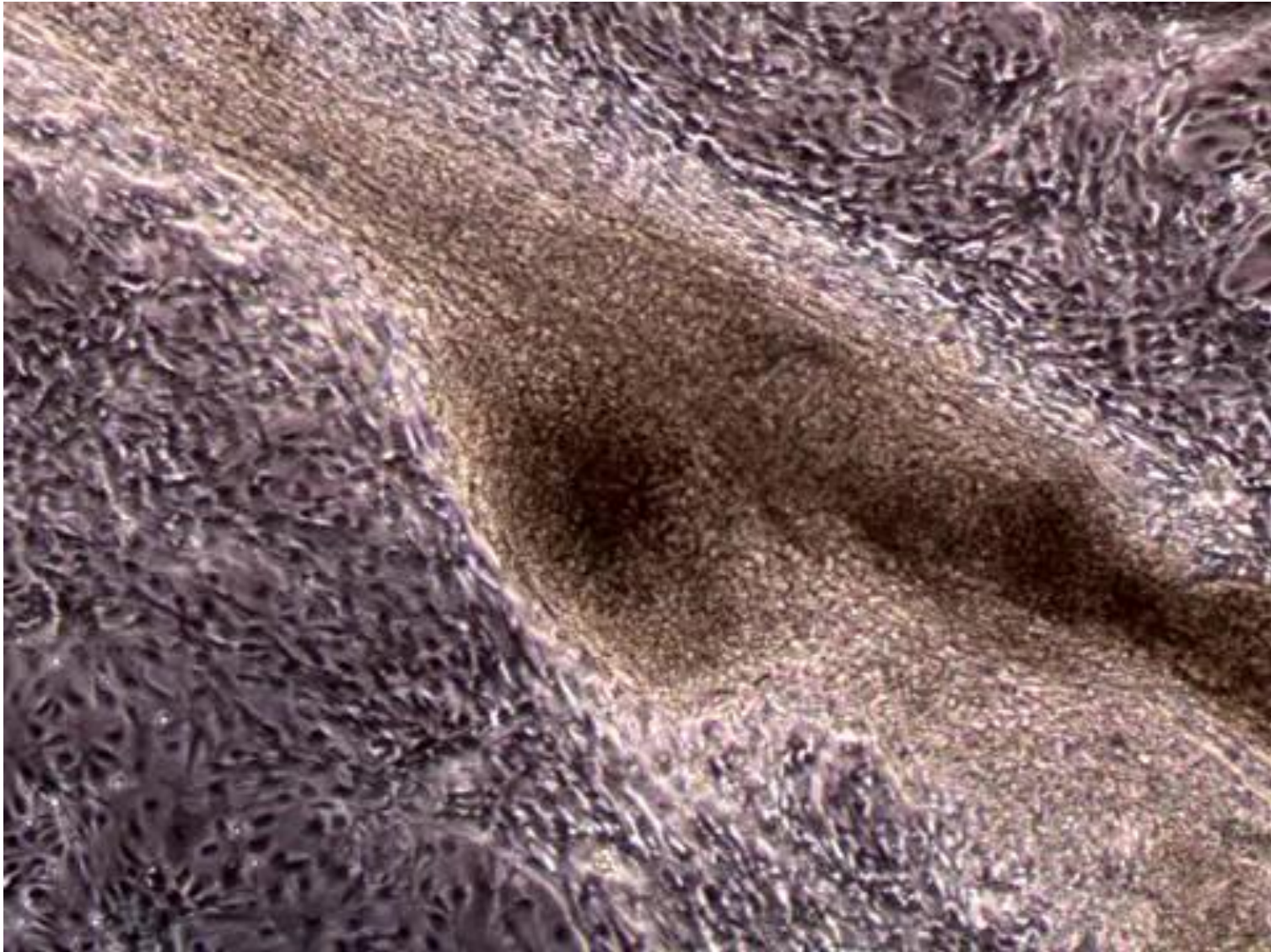
Shinya Yamanaka John Gurdon

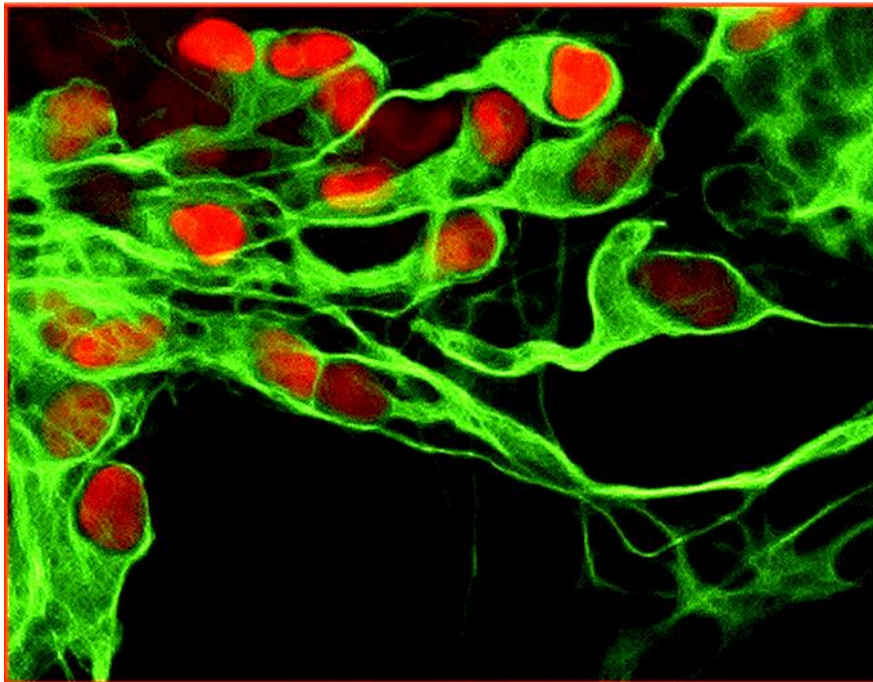
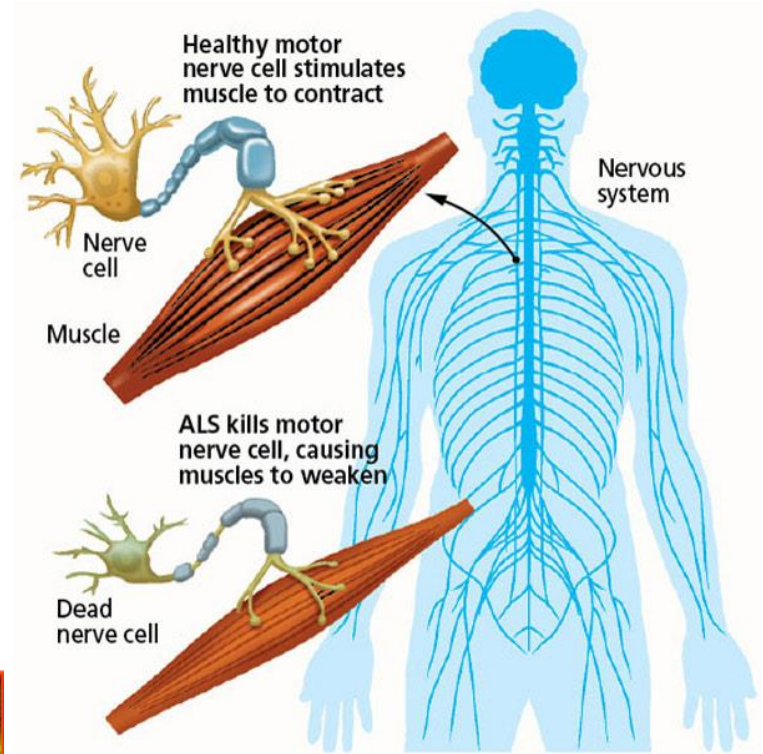


in vitro sykdomsmodeller, medikamentscreening,
transplantasjonsstudier

Hege Fjerdingsstad

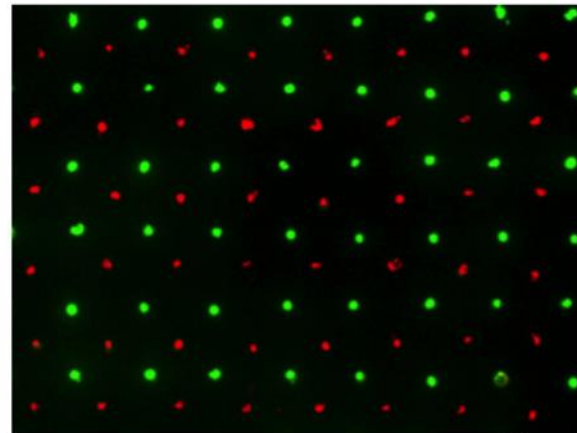
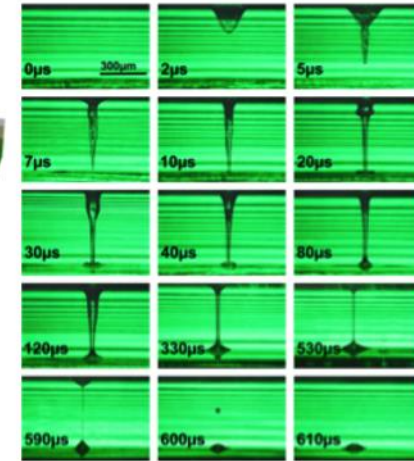
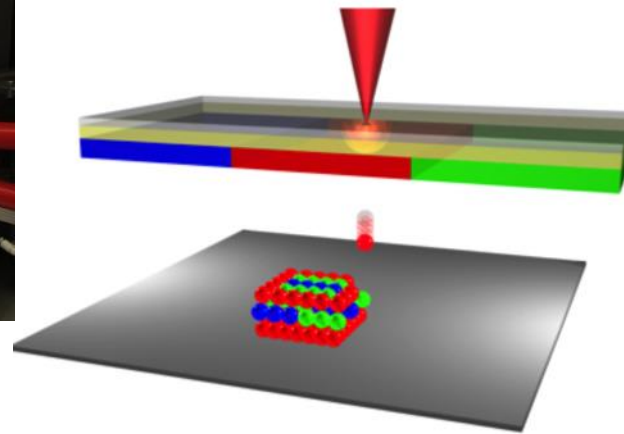




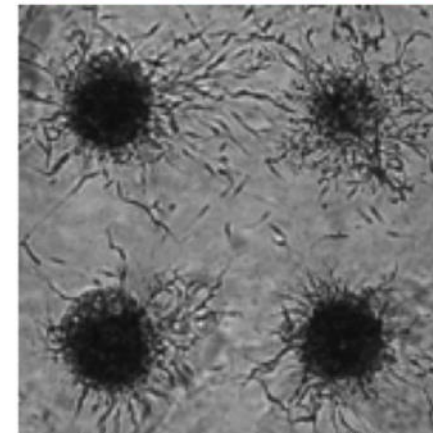


Finne årsaker
til sykdommer
....som ALS

Printing av vev med stamceller

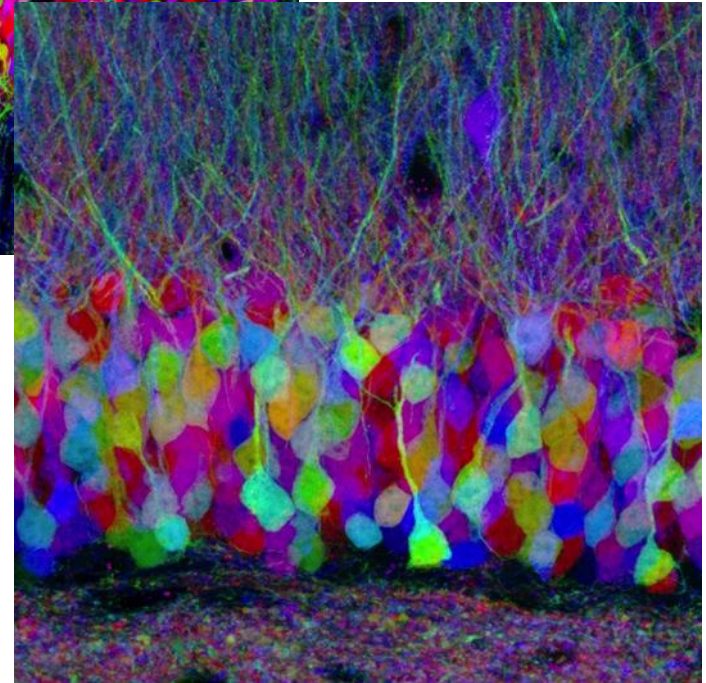
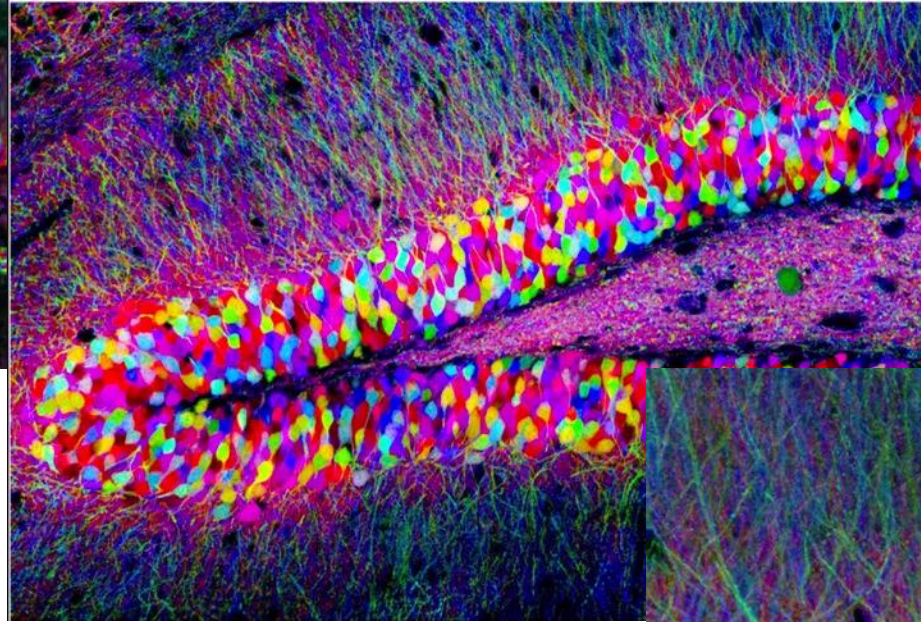
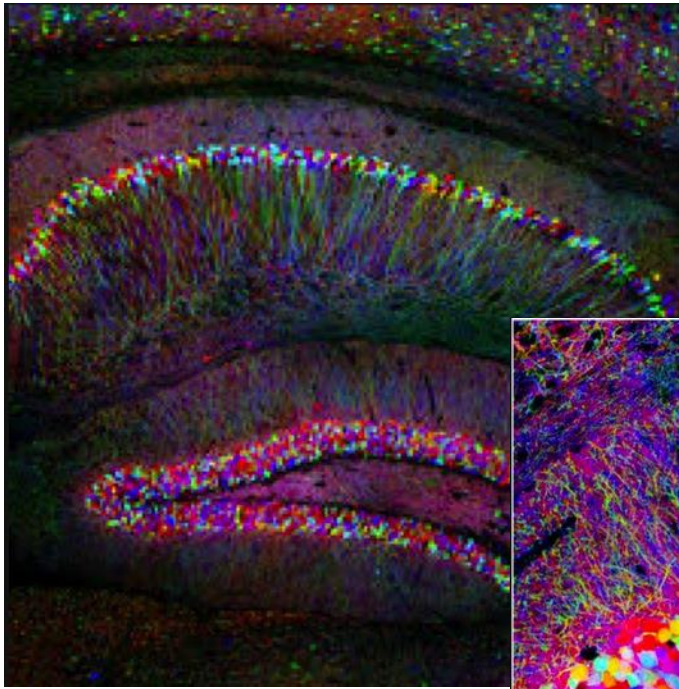


600 μ m



250 μ m

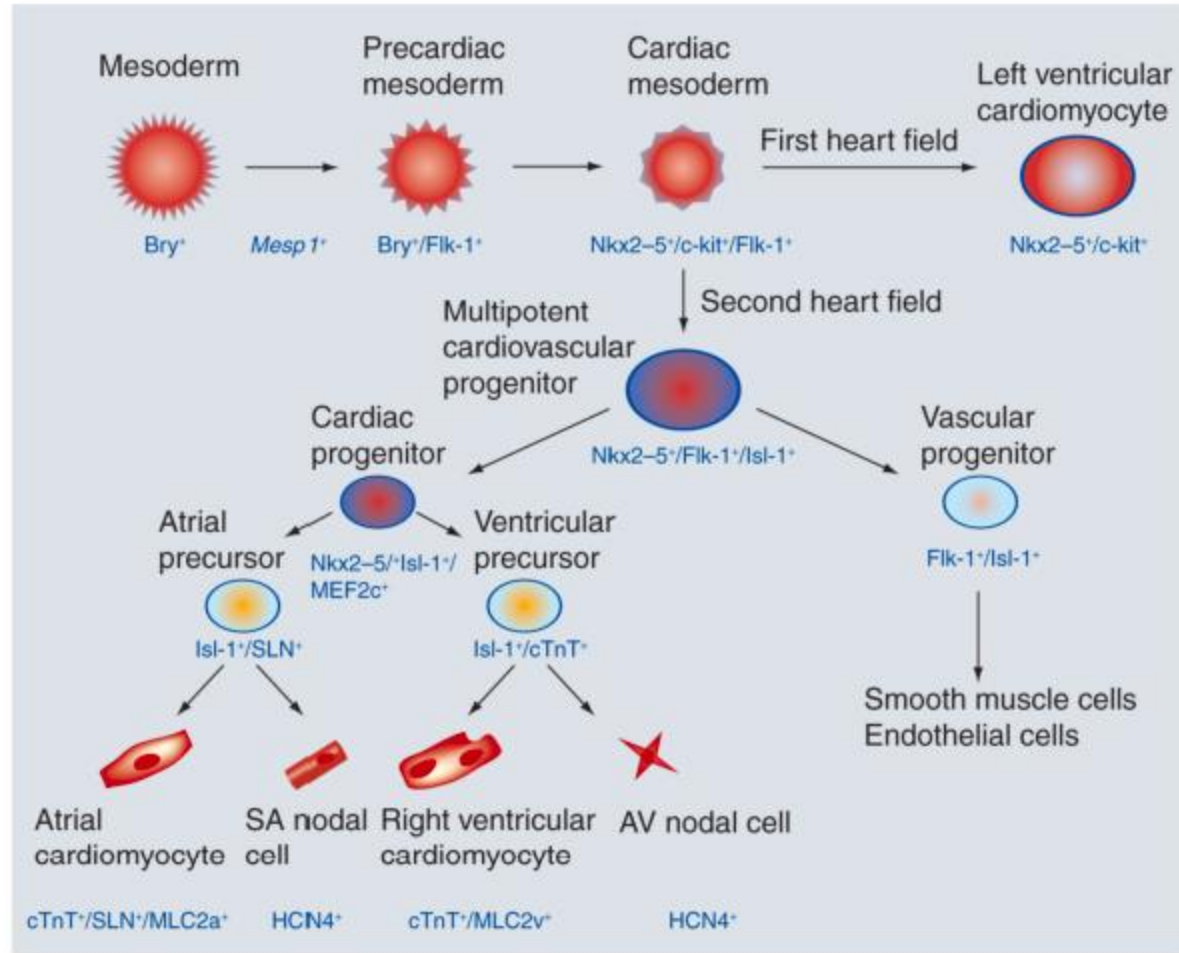
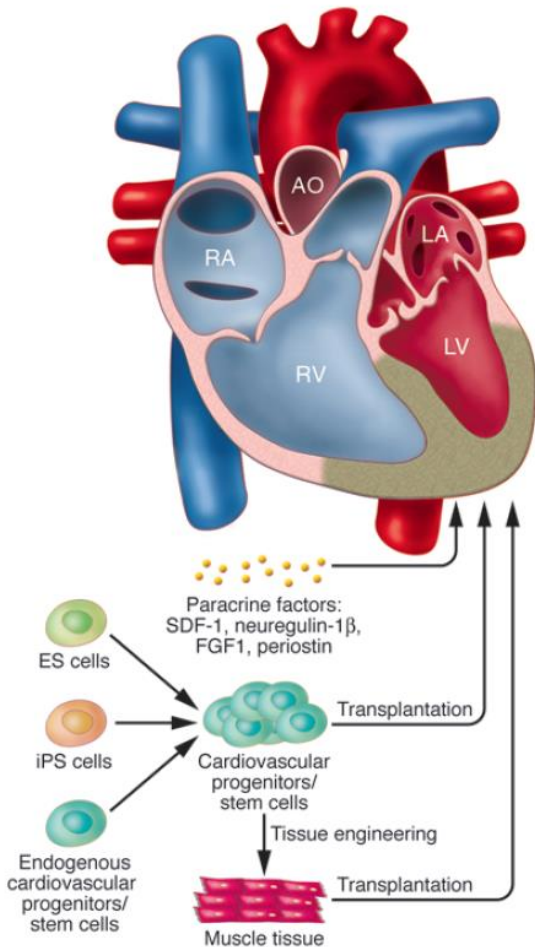
Nytt hjernevev kan kanskje lages i fremtiden?



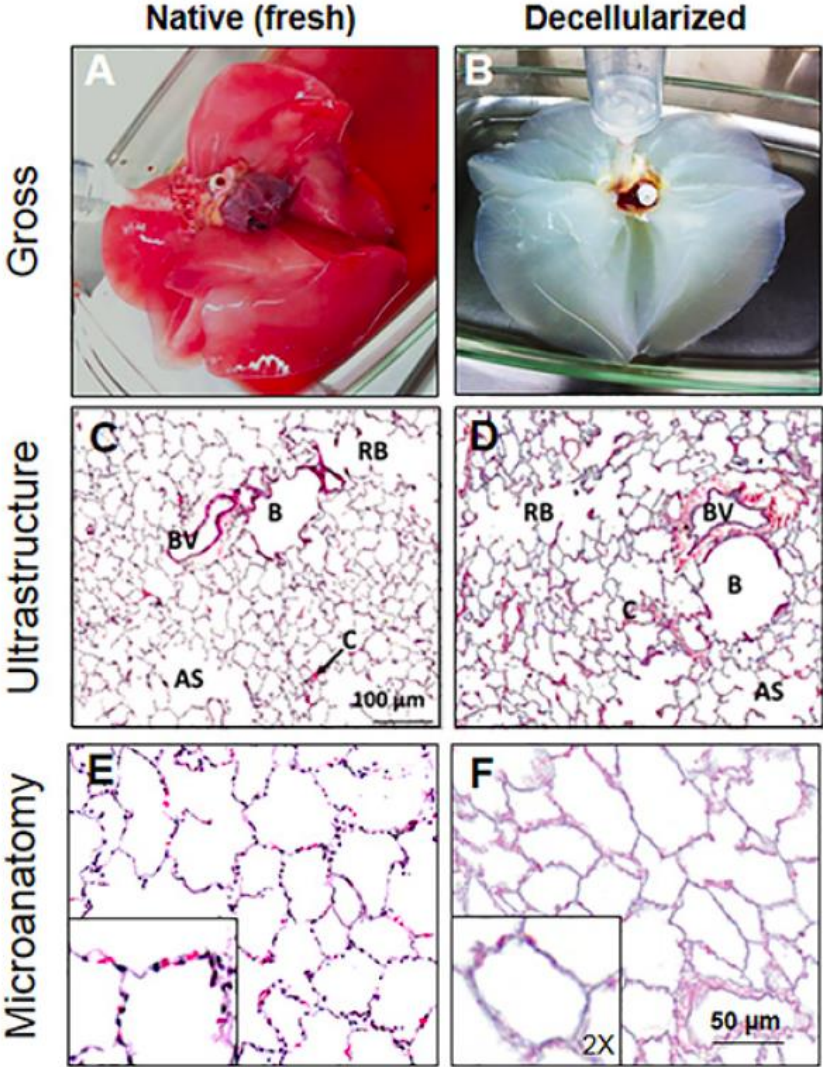
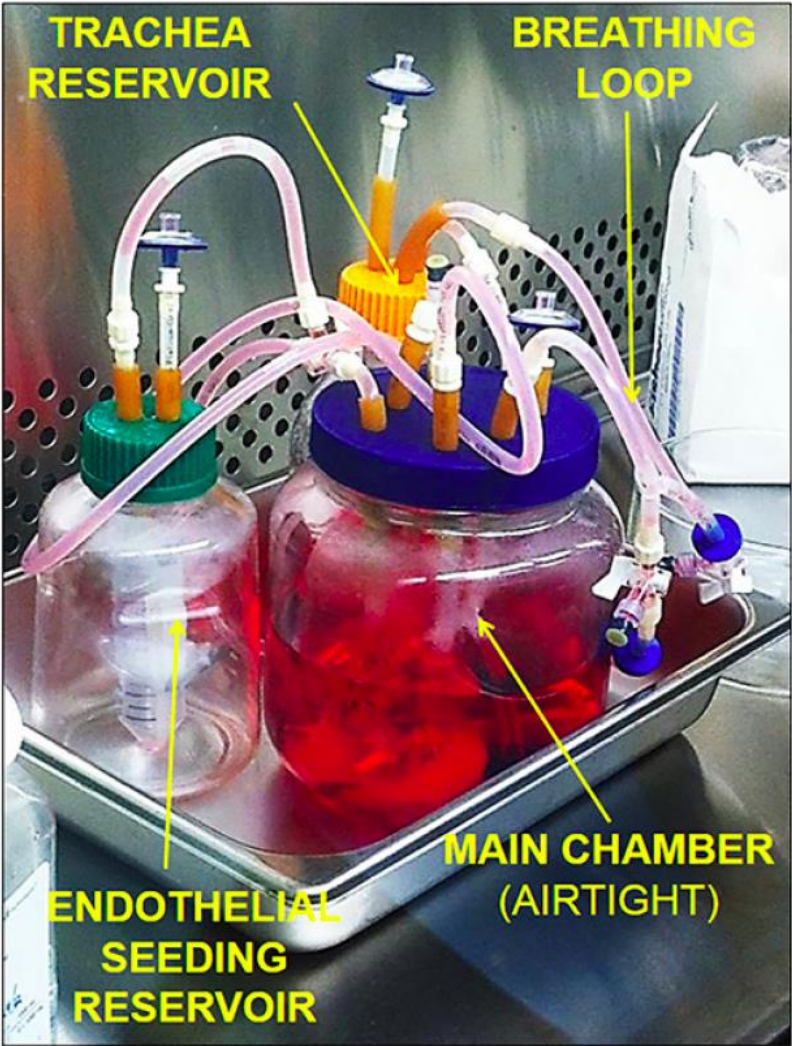


Fjerning av celler fra rottehjerte

Bygge nytt hjertevev med stamceller



Bygge nytt lungevev med stamceller



Stamceller – kilder til nytt vev

