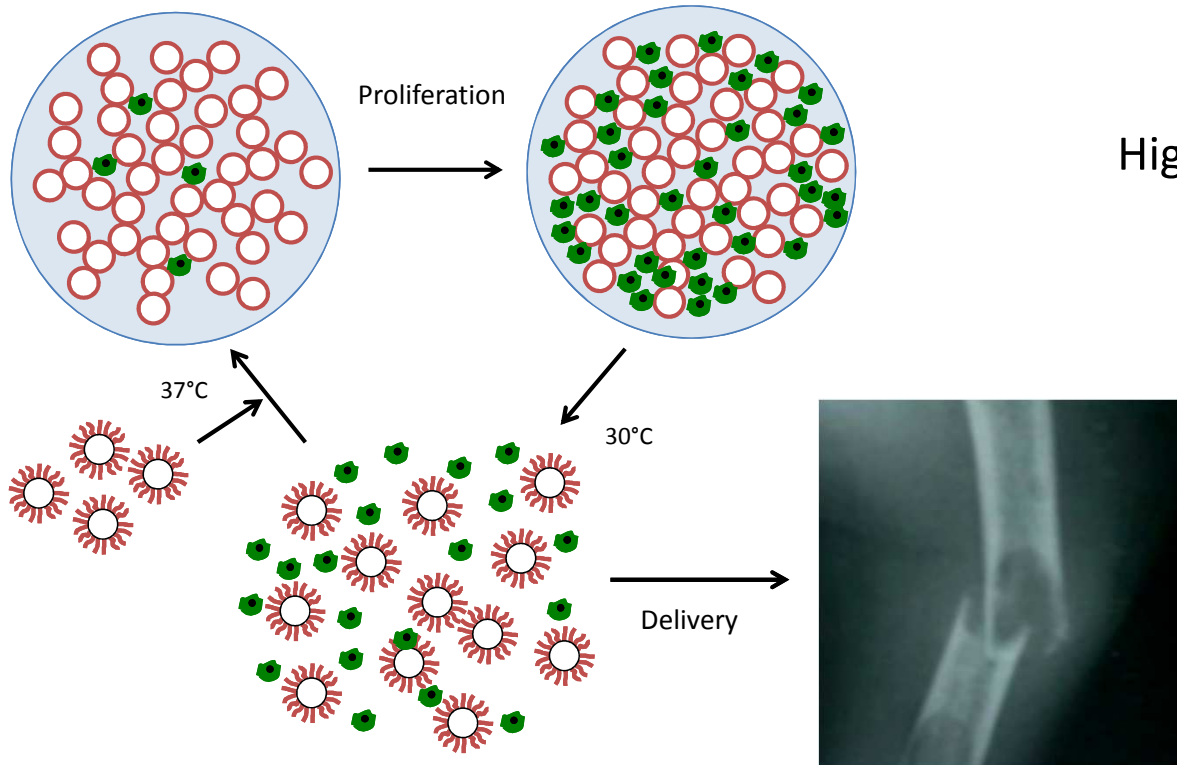


# Thermoreversible Colloidal Gel

Presented by: kevin.shakesheff@nottingham.ac.uk



UK Regenerative  
Medicine Platform



## What is it?

Highly porous material that transitions from liquid to gel at body temperature

## Strengths

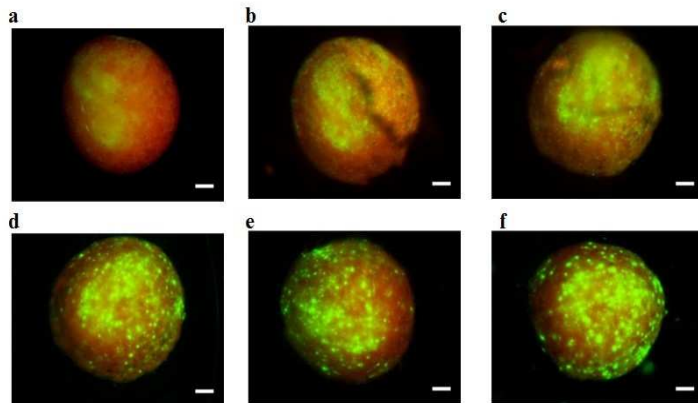
3D culture of cells with no trypsination at passage  
Cell delivery into body

## Weaknesses

Not tested for many cell types

## Potential Applications

MSC expansion and delivery  
Automated cell expansion in bioreactor  
Magnetic separation of cells and materials



Temperature-induced scaffold formation