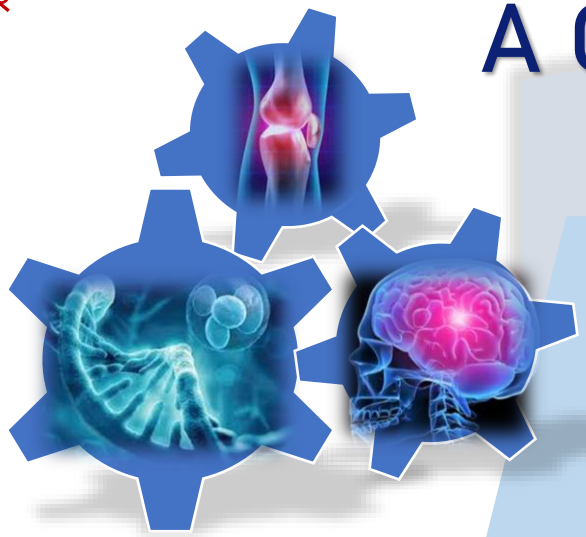
Sept – Nov 2023

Minor Regenerative Medicine: A Game Changer Technology



Erasmus MC
Surgery
Internal Medicine
Orthopeadics
Cell Biology
Psychiatry
Cardiology
Medical Ethics

TU Delft
Biomechanical Engineering

Biotech companies

Regenerative Medicine is a multidisciplinary field aiming to harness the power of **stem cells** and **biomaterials** to model or replace diseased organs.

This minor provides a framework of basic knowledge to think creatively about **innovative strategies** and **technologies** at the cutting edge of medicine and biology

We offer:

- A **two-week visit** to (inter)nationally renowned laboratories
- **Inspirational lectures** and **lab demonstrations**
- Background and **clinical applications** of regenerative medicine
- **Theme weeks** focusing on different parts of the human body
- Background and tools to address related **ethical issues**

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Erasmus MC

Program Theme weeks

Don't miss out on this exciting Minor!

Introduction

- General intro
- Crash course knowledge gaps

W1

Regenerative medicine of abdominal organs

- Liver
- Kidney
- Pancreas

W2

Cardiovascular & respiratory systems and stem cell therapies

- Cardiac regenerative medicine
- Pulmonary system

W3

Skeletal systems and 3D printing

- Muscle
- Cartilage
- Bone

W4

Nervous systems and bio-electronics

- Psychiatric stem cells
- Learning & memory

W5

Tissue Engineering, biomaterials, and organ-on-chip technology

- Demo's & hands-on at TU Delft
- 3D printing assignment

W6

Preparation lab visits,

W7

Lab visits

- Two-week visit (inter)national experience
- Meet the experts!

W8+9

Presentations

- Plenary presentations Research Proposal
- Plenary exchange of experiences lab visits

W10