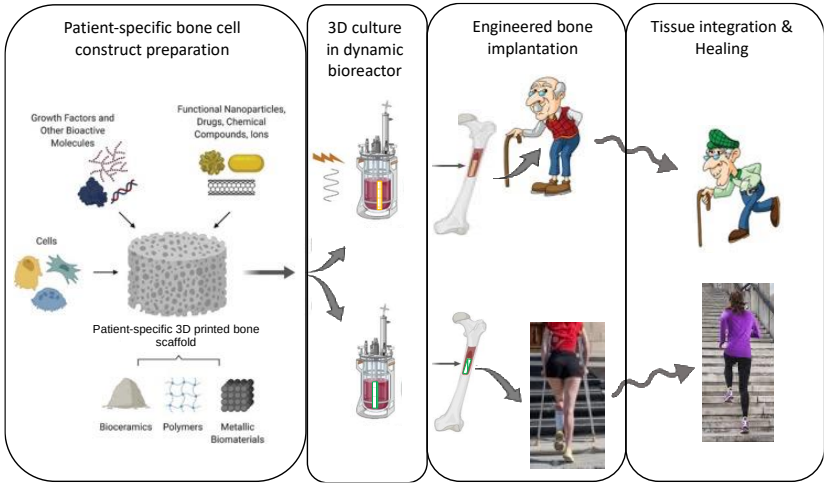
OSTEONET

In vitro 3D cell models of healthy and OSTEOpathological ageing bone tissue for implantation and drug testing in a multidisciplinary NETwork

The Project

Aims

- to train a cohort of scientists and technologists so that they can operate complex dynamic bioreactors for 3D bone cell co-/culture
- to build a multidisciplinary research network involving experts of technical and medical disciplines to merge their expertise and exploit possible synergies for the development of reliable and sustainable 3D in vitro cell models of healthy and aged bone tissue



- to train a cohort of scientists and technologists so that they can exploit the bone model features to increase knowledge on the effects of ageing on bone biology and mechanobiology, and on bone response to drugs, to leverage the use of 3D cell models in clinics and basic/industrial research labs to benefit patients

The Consortium

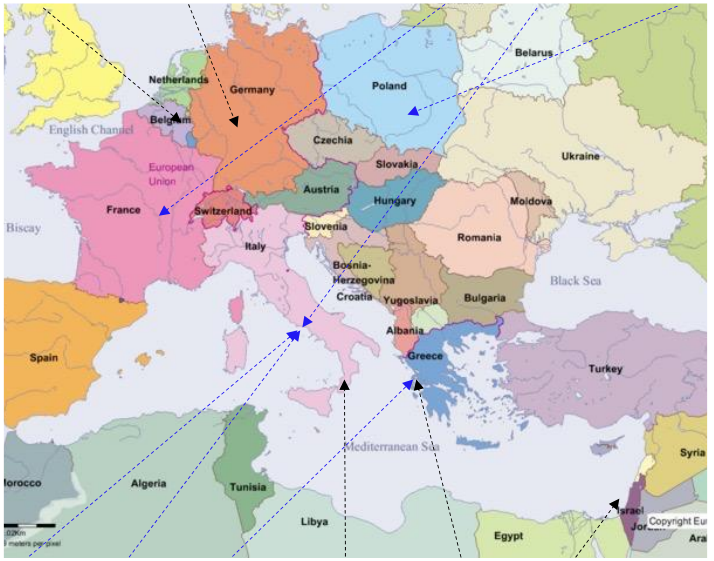
Ghent University (Belgium)

Techncal University of Applied Sciences Mittelhessen (Germany)

Elvesys (France)

Hypatia (Italy)

AI Factory (Poland)



Cellex (Italy)

7HC (Italy)

InSYBio (Greece)

University of Calabria (Ialia)

ISI (Greece)

Tel Aviv University (Israel)

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