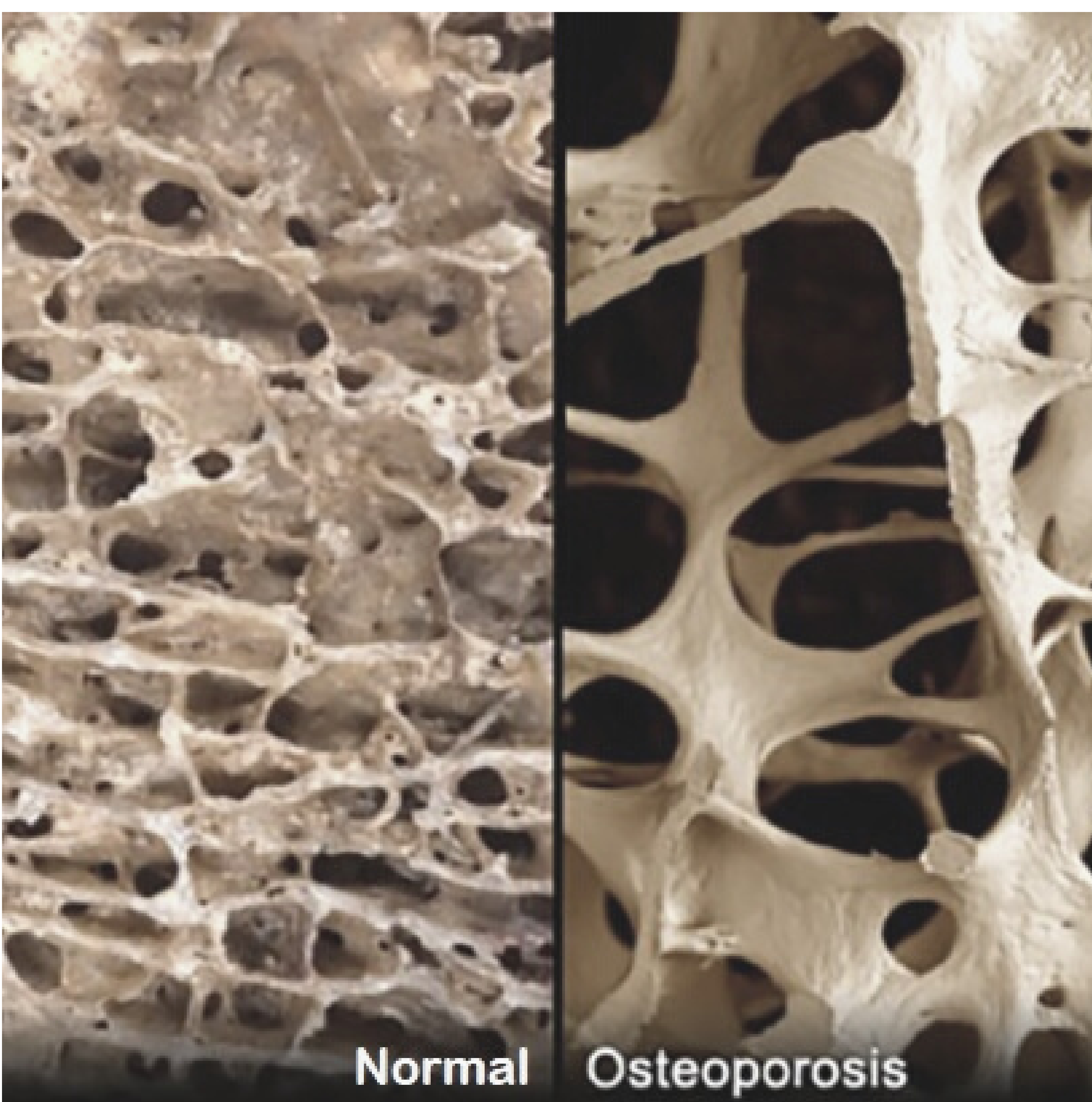




# PoCOsteo



## APPROACH

### Improvement of osteoporosis management

The objective of the PoCOsteo project is to overcome two important gaps in the clinical armamentarium of osteoporosis management: an early-stage identification of high-risk individuals who would best benefit from intervention and a low cost and accessible monitoring solution for those affected.



## DEVICE DEVELOPMENT

### Osteoporosis prediction device

PoCOsteo's solution is the development of an in-office device capable of determining both the genetic predisposition and BTM values of osteoporosis from a single drop of blood at acceptable cost. The result will be a personalized Fracture Risk Prediction via a Point-of-Care device.

This device, which brings together biomarker measurement, profiling of genetic variations and assessment of the underlying risk factors, will be used by physicians to enhance the predictive accuracy of fracture prognosis and to provide the affected individuals with personalized care.

## WHAT IS PoCOsteo ABOUT?

### Bone disease prevention

The PoCOsteo project focuses on the development, clinical validation and preparation for commercialisation of a Point-of-Care tool for bone disease (a.o. osteoporosis) prevention, detection and treatment.



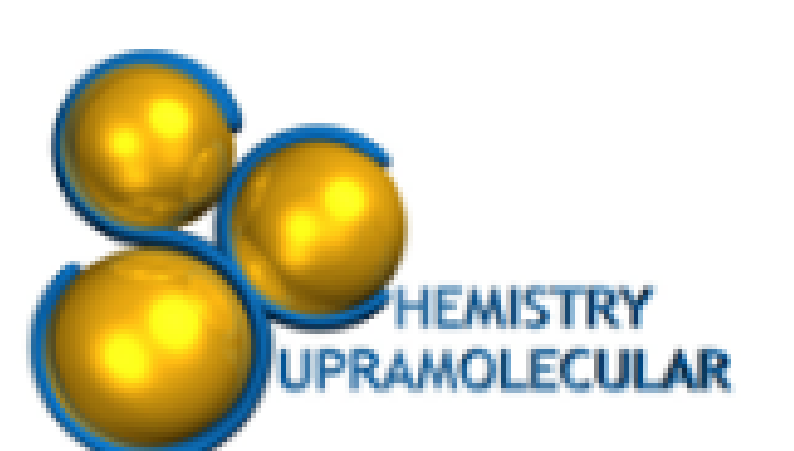
## DEVICE DESIGN

### Single Point-of-Care device

The device design aims to integrate proteomics and genomics technology into a functional single PoC microfluidic device and to validate the final instrument by comparing the results with that of the current state-of-the-art of each technology separately.



## PARTNERS



The project is supported by the European Union's Horizon 2020 Framework Programme for Research and Innovation Action, project number 767325