

PROJETOS DE I&DT COPROMOÇÃO – INTERNATIONAL PARTNERSHIPS

SENTINEL

Novel injectable biosensor for continuous remote monitoring of cancer patients at high-risk of relapse

Project Name: SENTINEL

Project Code: NORTE-01-0247-FEDER-045914

Main Objective: To strengthen research, technological development and innovation

Region of Intervention: North

Beneficiaries:

Coordinator: Stemmatters, Biotecnologia e Medicina Regenerativa SA;

Partners: Laboratório Ibérico Internacional de Nanotecnologia (LIN);

CCAB - Centro Clínico Académico Braga, Associação;

Universidade do Minho – Instituto de Investigação em Ciências da Vida e Saúde

Universidade do Texas – Austin (UTA)

Approval Date: 11-02-2020

Start Date: 01-04-2020

End Date: 01-04-2023

Total Budget: 1 372 554,92 €

EU Financial Support: FEDER – 1 062 217,26 €

CCAB Budget: 85.466,42 €

Project Description:

Sentinel project proposes the breakthrough development of remote monitoring tools for high-risk profile cancer patients. Such technology aims to increase the positive predictive value (PPV) of cancer screening, while facilitating the remote and ubiquitous monitoring of patients in large scale.

The main objective of the SENTINEL project is to develop a minimally invasive and biocompatible implantable biosensor to be used in the early tumor surveillance in post-operative prostate cancer patients.

This consortium project is led by Stemmatters, Biotechnology and Regenerative Medicine SA, in collaboration with partners CCAB- Centro Clínico Académico Braga, Laboratório Ibérico Internacional de Nanotecnologia, Universidade do Minho and in partnership with the Universidade do Texas - Austin (UTA).