

**FESTEL CAPITAL**

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## **Bioresorbable Material**

### **Summary**

The bioresorbable material can be implemented as a bone wax substitute or a filling material for bone defects. In contrast to commercial bone wax, the bioresorbable material does not adhere to surgical instruments.

Industrial partners are sought for various possible commercialisation options.

### **Background**

FESTEL CAPITAL is supporting a German university to commercialise an innovative bioresorbable bone substitute material.

### **Description**

The material has a pasty or waxy consistency, which remains dimensionally stable in the humid environment of the body and is bioresorbable. The bioresorbable material comprises of at least two different surface modified particles. The particles consist of biodegradable materials (ceramics, glasses, salts or polymers in pure form or mixtures) and are chemically modified by covalently bound polysaccharides. After wetting, the particles cleave together and build a paste.

### **Application areas**

- Sealing material for bone wounds to inhibit bleeding out of the cancellous bone (spongiosa)
- Filling materials for small bone defects or jaw-bones

## **Advantages**

Advantages this material offers include the following:

- It is bioresorbable
- In contrast to commercial bone wax, the bioresorbable materials do not adhere to surgical instruments

## **Investment Opportunity**

The aim of FESTEL CAPITAL is to commercialise this innovative bone substitute material. In the search for industrial partners different commercialisation options, such as out-licensing or a sale of all relevant intellectual property and know-how, are possible. Detailed information can be provided after the signing of a confidentiality agreement.

## **Disclaimer**

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## **About FESTEL CAPITAL**

FESTEL CAPITAL is an advisory and investment firm focusing on the commercialisation of technologies in the areas of energy, environment, health, materials and nutrition.

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