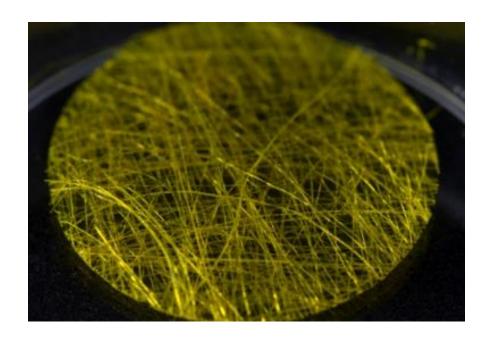
Drug-loaded implants

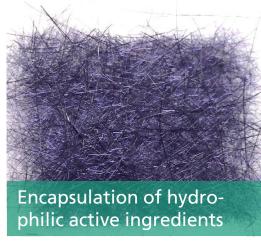


FIBROUS ABSORBABLE DRUG CARRIER FOR SUSTAINED RELEASE

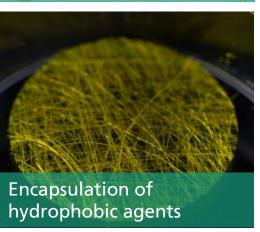
Bioresorbable fibrous nonwovens, whose base material has already been CE-certified for the regeneration of chronic diabetic wounds, can also be used to treat surgically injured tissue. The fiber structure serves as a scaffold for the regrowth of cells into the wound defect. In parallel to this tissue regeneration, the fibrous structure resorbs into *orthosilicic* acid within several weeks without shrinkage effects. In the manufacturing process of the fibers, various active substances can be embedded in the fiber matrix, which are retarded and locally released over the resorption period, e.g. antibiotics, analgesics, but also cytostatics after a tissue resection.

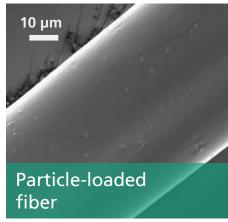
In addition, a surface functionalisation of the fibers with proteins is possible.

Versatile application areas









SERVICES

- Development of drug-loaded implantable scaffolds
- Formulation of hydrophilic and hydrophobic substances
- Surface immobilization with proteins, enzymes
- Integration of particulate therapeutics
- Adjustment of drug release kinetics

APPLICATIONS

- Regenerative medicine
- Resorbable, drug-loaded implants
- Encapsulation of active ingredients



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