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ABSTRACT (10 pt)

FIBRONIQ-UGhent Nanofiber Consortium is a consortium of research groups inside the Ghent University that performs research with the aim of valorization of the results obtained. The main but not exclusive focus in FIBRONIQ is on electrospinning and nanofibrous structures. The consortium is headed by Prof. Paul Kiekens and led by Dr. Philippe Westbroek.

Inside FIBRONIQ an inventive nanofibrous producing method, based on electrospinning principles, is developed and patented. FIBRONIQ aims at using this method to produce innovative structures and products containing such structures. On the one hand this will be achieved by the founding of a spin-off company, on the other hand by setting up cooperations with industrial companies.

FIBRONIQ focuses on different applications fields, such as filtration, wound dressings, dental, intelligent textiles and pharmaceutical applications.



What is FIBRONIQ

FIBRONIQ is a consortium of Ghent University research teams performing research in the field of electrospinning and nanofibrous structure development.

FIBRONIQ covers a nanofiber technology platform with large application possibilities

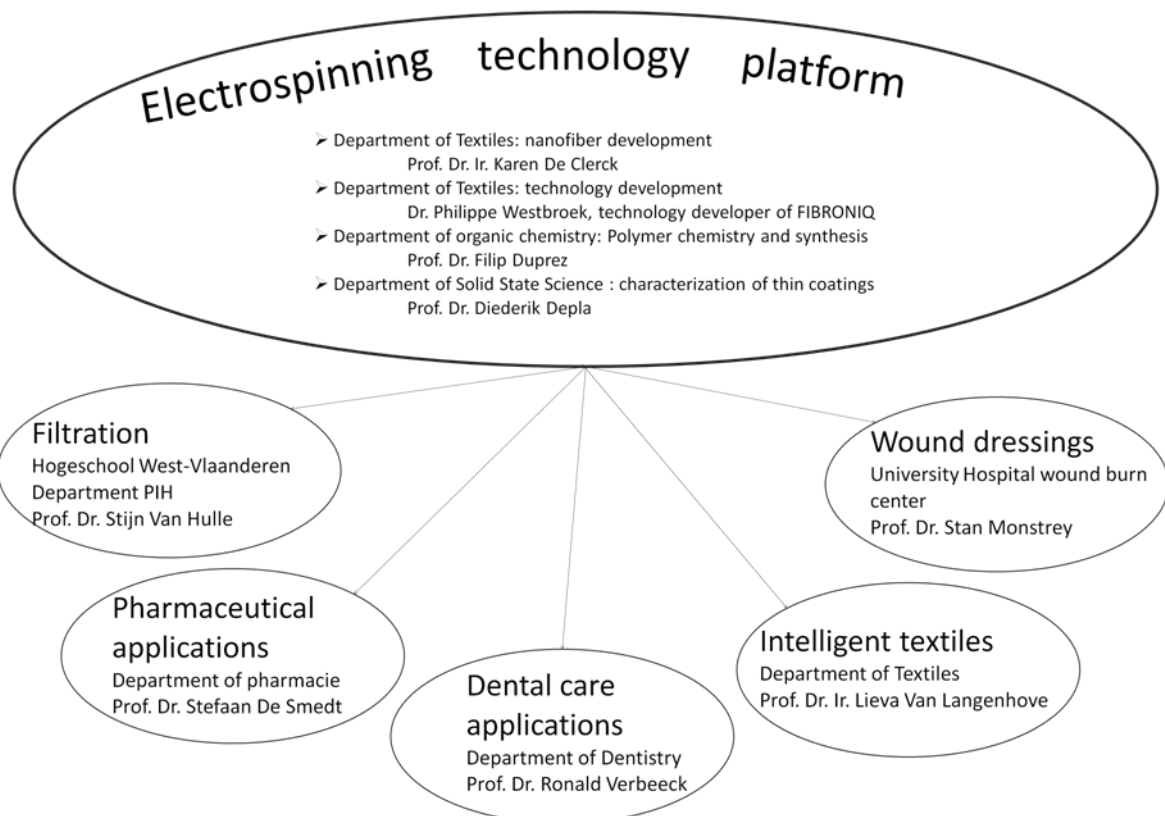
Promotor-coordinator : Prof. Dr. Paul Kiekens,

Valorisation of the research results by "technology developer" Dr. Philippe Westbroek

For who is FIBRONIQ

SMEs; large companies, multinationals, research centres, universities

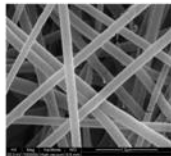
Members and applications of FIBRONIQ





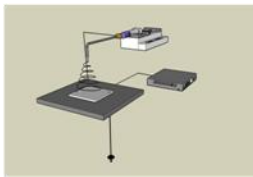
What has FIBRONIQ to offer

➤ **Fundamental** research on nanofibrous structures



- ✓ study of fiber morphology
- ✓ study of structure/properties relationship

➤ **Technology driven** research



- ✓ steady state electrospinning
- ✓ influence of processing parameters on nanofibrous structures
- ✓ Proof-of-principle

➤ **Application driven** research



- ✓ study of scaling up of polymer system electrospinning
- ✓ proof-of-concept

➤ **Post R&D** offer

- ✓ pre-launch and/or full scale production via spin-off under development

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