

Preparation and characterization of nanostructures with polysaccharides from natural sources

Nanostructured Assemblies Group (NANO)

UR1268 Biopolymers Interactions Assemblaies

National Institute for Agricultural Research (INRA)

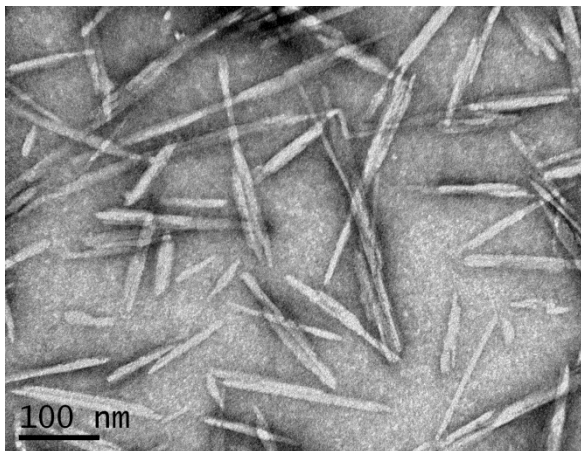
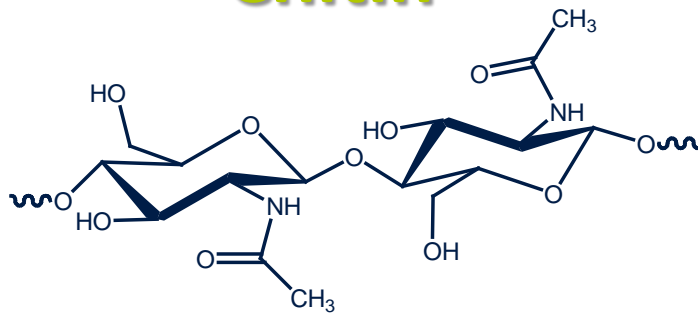
Profile

- **PhD at Zaragoza University (Zaragoza, Spain)**
Fabrication of molecular wires by means of the Langmuir-Blodgett and the self-assembly techniques
- **Post-doctoral position at INIA (Soria, Spain)**
Setting-up of the Centre for the Food Quality
Investigation on the healthy properties of food components
- **Post-doctoral position at INRA (Nantes, France)**
Preparation of ordered thin films incorporating polysaccharides extracted from natural sources

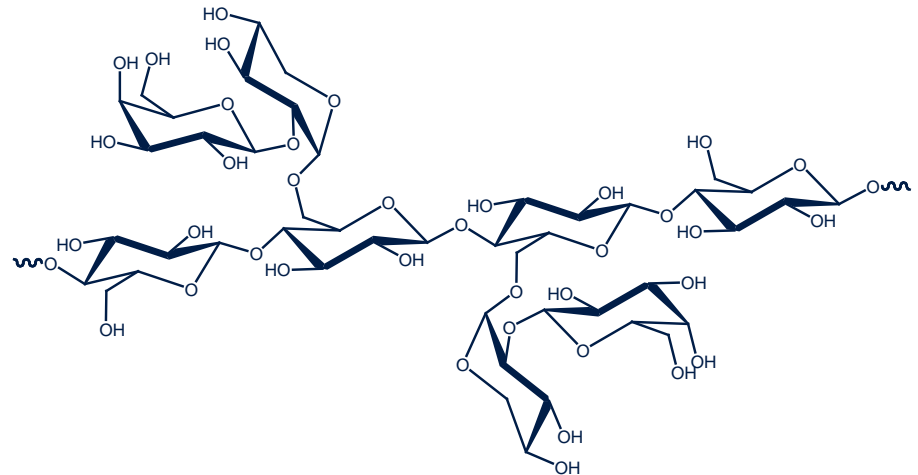
Research Project

Preparation and characterization of nanostructures with polysaccharides from natural sources

Chitin



Xyloglucan



Fabrication of multilayer nanostructures

Spin-coating assisted layer-by-layer procedure

- Rotation speed
- Rinsing step
- Concentration
- Ionic strength

