

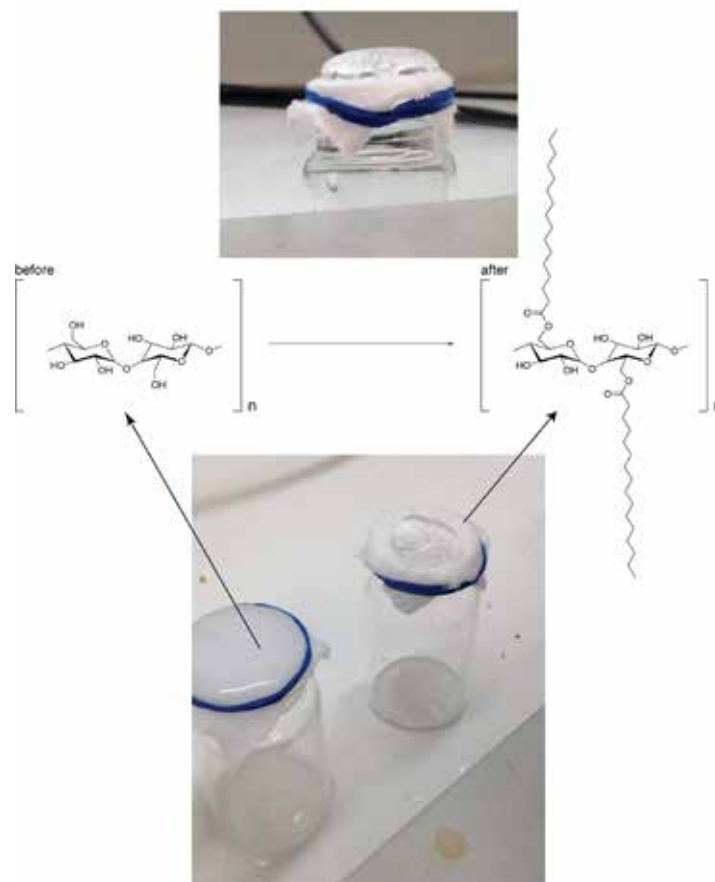
Innovative ideas in Medical Technology

HPBandage

The product is a hydrophobic cotton-based bandage, which improves on the existing medical gauze products through chemical modification (with natural products) of the cellulose fibres. Initial tests on the prototype confirm the hydrophobicity (blood and water do not stick to the bandages) of the functionalised gauzes. The application of this product will be towards medical treatment of patients with medium to large sized open wounds, burn victims and for patients in areas in which the risk of waterborne infections are high.

The technology has potential to reduce the chances of infection and unnecessary scarring. Industrial production of our gauzes would involve only a single additional (low-cost) step to the current gauze production processes that would significantly enhance the properties of the cellulose material towards the wound treatment.

HPBandage



Tomislav Suhina, Researcher, University of Amsterdam
Benjamin Strudwick, Researcher, University of Amsterdam