

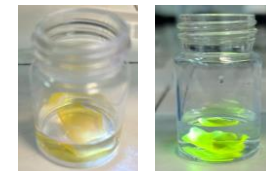
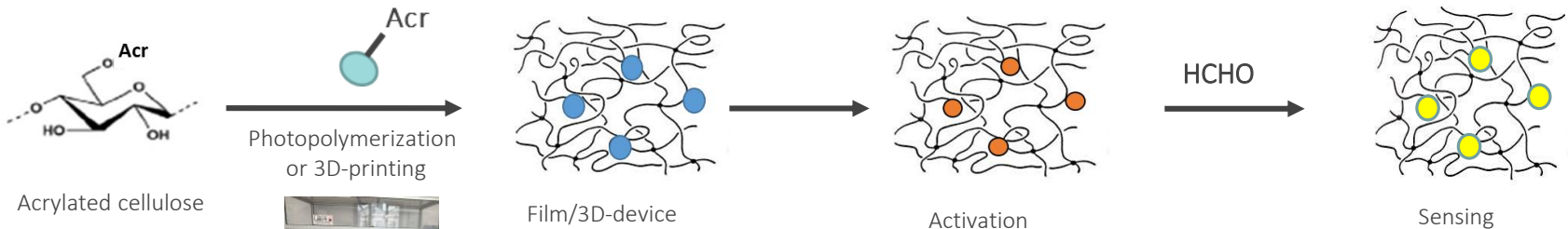
Towards a 3D sensor prototype for detection of toxic formaldehyde in air and water

OBJECTIVE:

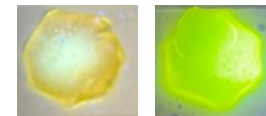
Preparation of a 3D-sensor for the detection of formaldehyde for fruit packaging

Steps:

- Synthesis of a pre-fluorescent monomer
- Functionalization of a bio-based polymer (cellulose)
- Crosslinking/3D-printing of cellulose: obtaining of a film/3D-device
- Activation of the sensor
- Formaldehyde detection



Water sensing



Air sensing

Dr. Paula Bosch

Home Group: Dr. Paula Bosch, ICTP-CSIC, WG 3/4

Host Group: Prof. Ignazio Roppolo, Politecnico di Torino, IT, WG 3/4

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