

Louise Griveau Supervised by Jérôme Sohier & Romain Debret **GELIHPARBAL ANR-17-CE19-0009**

DESIGN OF A INNOVATIVE INJECTABLE AND POROUS EFFERVESCENT HYDROGEL FOR SOFT TISSUE ENGINEERING APPLICATIONS

Context

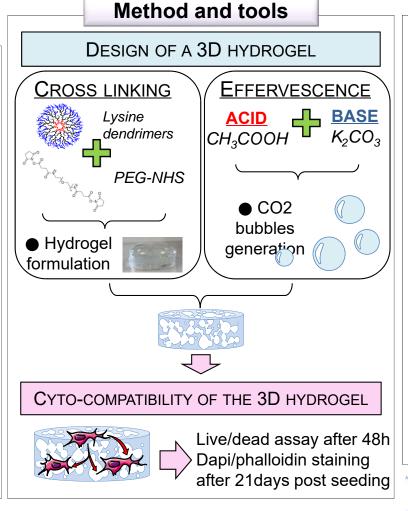
Wound Care with **HYDROGELS**



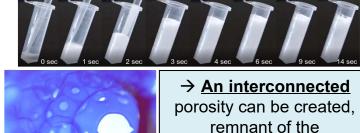
INJECTABLE

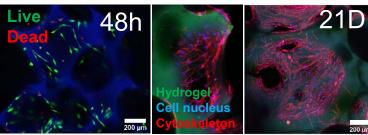
- -Minimally invasive
- -Less traumatic for patients
- -Conform to complex shapes Porous
- -Allow cells infiltration & functional regeneration of tissue

HYDROGELS BOTH INJECTABLE & POROUS → CHALLENGING



Results





→ Validation of its potential as 3D support without any washing or post-formulation treatment









effervescently-generated

CO₂ bubbles

