



## Thesis Project Form

**Title (tentative):** 3D printing of hydrogels for biomedical applications

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### Description

#### Motivation and application domain

Erasmus application for the student that got the UniGent Position for 2022

#### General objectives and main activities

The Master Thesis will be focused to scaffold printing by using advanced 3D printing technologies. The Project will aim to test innovative materials and develop new compounds to enhance the mechanical and functional properties of 3D printed scaffolds. The Project is a low TRL level proposal set to let the student to get in touch within the effective chances and opportunities in the framework of a shared ongoing UniGe and UGent PhD program

#### Training Objectives (technical/analytical tools, experimental methodologies)

Student will be trained within advanced and up to date chemical lab and biomaterial testing techniques to project and develop polymer based scaffolds for biomedical applications

**Place(s) where the thesis work will be carried out:** Genova - Gent (BE)

### Additional information

**Pre-requisite abilities/skills:** Material Science and Composite Materials skills

**Maximum number of students:** 1

**Financial support/scholarship:** yes