

InnovaTIVE in situ 4D biopriNTing for regenerAtion of CoLoREctal mucosa and submucosa

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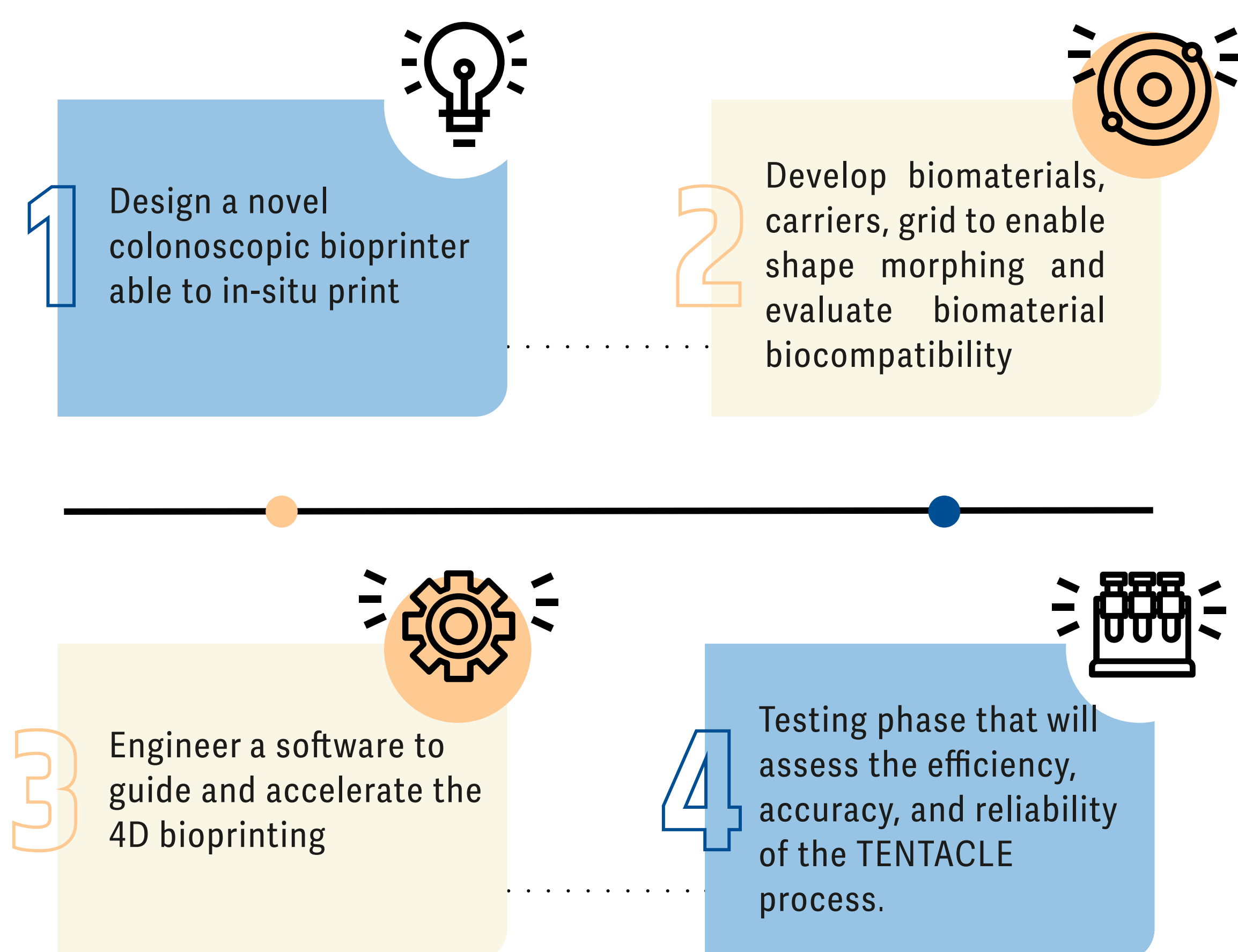
TENTACLE pioneers a radically new way to treat colorectal diseases thanks to an innovative bioprinting strategy, marking a new chapter in **regenerative medicine** thanks to a cutting-edge use of biomedical engineering.

The project plans to do so by integrating multiple **health-related biotechnologies** into a single device which will incorporate two different bioprinters. The procedure consists of using an **endoscopic surgery** to remove the diseased mucosae and replace them with biomaterials.

This project focuses on the patient, therefore the main goal is to offer individuals with specific conditions an improved outlook, free from long-term disabling sequelae or post-surgical complication using **regenerative medicine**.



*Methodology



*Team

Universitätsklinikum Würzburg



Centro E. Piaggio
bioprinting and robotics research center



beWarrant



*Project details

Project number: 101191747
Project name: InnovaTIVE in situ 4D biopriNTing for regenerAtion of CoLoREctal mucosa and submucosa
Project acronym: TENTACLE
Topic: HORIZON-HLTH-2024-T00L-11-02
Granting authority: HADEA
Project starting date: 01 January 2025
Project duration: 48 months
EU Contribution: 7 555 750.00 Euro

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