

BIOMATERIALS

- **Biomaterials for regenerative medicine**

Materials for tissue and organ engineering and regeneration, polymers, biopolymers, ceramics, composite biomaterials, biomaterials characterization, bioengineered materials, materials for implantable devices, biologically inspired and biomimetic > materials, advanced biomaterials tools and methods.

- **Active packaging materials**

Biobased packaging materials, intelligent and bioactive packaging, antimicrobial and antioxidant package, encapsulation.

- **Nanobiocomposites for in-vitro diagnostics and targeted drug**

(Nano)materials and (nano)systems for therapeutic delivery, bioconjugates, targeted nanoparticles and nanovectors, nanocomposites for biolabelling.

- **Stimuli responsive bioorganic materials and smart surfaces**

Stimulus responsive nanoparticles for drug release from nanocarriers and for theranostic applications, stimuli responsive (bio)polymers and other materials for delivery and imaging > applications, stimuli responsive scaffold, bio-interface > interactions at the biointerface, antifouling biomaterials, smart > surface for medical devices.

- **Additive manufacturing in biomedical research**

Additive manufacturing materials and processes for biomedical, applications, biomedical devices, tissue and organ engineering by additive manufacturing.