

SEMINAR

CICbiomaGUNE

MEMBER OF BASQUE RESEARCH
& TECHNOLOGY ALLIANCE

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Bone and cartilage tissue engineering approaches at CICbiomaGUNE



Tuesday, 16th May 2023
12.00 pm

CIC biomaGUNE - Seminar Room

Tissue engineering field aims to generate therapies able to restore the function of damaged tissues by the generation of functional living structures. It is achieved by implantable devices based on the combination of cells, biological signals and carrier materials. Our lab is devoted to generate bioinspired and biomimetic tissue engineering approaches in skeletal organ context: We investigate the usefulness of decellularized cartilage tissue as a potential biomaterial for cartilage regeneration; We use the synthetic and natural polymers PCL, PLA and chitosan for bone tissue formation; We gain insight into the molecular events driving the bone formation process, aiming to generate new regeneration strategies. In this presentation, the tissue engineering field will be introduced and our latest results will be presented and discussed.