
Symposium 13: Biohybrids

ORGANIC-INORGANIC HYBRIDS IN BIOMEDICAL APPLICATIONS

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Theme

This symposium focuses on organic-inorganic hybrids for wide biomedical applications, including bone, soft tissue and nerve regeneration. Hybrid materials are a type of nanocomposites with interpenetrating organic and inorganic molecular constituents produced from a bottom-up approach leading to materials with remarkable properties. The last decade has seen significant developments in bio-hybrids, where scaffold for tissue regeneration in the form of solid monoliths, discs and porous fibres, foams and 3D printed scaffolds have been produced. These materials display excellent bioactivity, chemical and mechanical properties while also being biocompatible. This symposium will highlight these developments while also providing a platform for new developments to be presented.

Invited Speakers

Clement Sanchez, Collège de France, France, clement.sanchez@upmc.fr

Inorganic-organic hybrids and their biological properties
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