EUROMAT 2017/ Symposia Structure/Area F

F.1

Title: Biomaterials for Tissue Engineering

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Summary

This symposium will cover biomaterials used in tissue engineering and regenerative medicine fields. The focus will be the scientific and technological aspects related to the design, fabrication and characterization of innovative biomaterials for new emerging applications. The challenges and future research in this growing area will be addressed, including the search of the most effective cell types, scaffolds and signals to achieve the living tissue regeneration. The actual efforts looking for more cost-effective systems will also be addressed. The symposium will offer an excellent platform for presentation and discussion of the most recent and relevant results in this highly interdisciplinary field.

Hot topics to be covered by the symposium:

- Bone Healing
- Biomimentic Scaffolds
- Bone regeneration and reconstruction
- Bioactive and biodegradable materials
- Material testing
- Cell behaviour in regeneration
- Animal models
- Nanomedicine

Keynote speaker:
Prof. Wim Hennink, Utrecht University, NL