

# FEMS EUROMAT23

03 - 07 Sep 2023 (Frankfurt am Main)

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FEMS EUROMAT is the most important international congress in materials science and technology in Europe. It continues a successful congress series promoting the transfer of knowledge and the exchange of experience between academia and industry. **Extended submission deadline: 15 March 2023**

Area F: Materials for Healthcare

## F02: Bioactive Glasses and Composites for Tissue Engineering and other Advanced Healthcare Applications

This symposium will cover bioactive ceramics, glasses, and composites 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 for the most effective cell types, scaffolds, and signals to achieve living tissue regeneration. The actual efforts looking for more cost-effective systems will also be addressed. The symposium will offer an excellent platform for the presentation and discussion of the most recent and relevant results in this highly interdisciplinary field.

Topics to be covered by the symposium:

- Animal models
- Bioactive and biodegradable materials
- Bioactive glasses/ceramics for bioactive inks and 3D bioprinting, for example
- Bioactive glass with therapeutic ion delivery
- Biomimetic Scaffolds
- Bone Healing
- Bone regeneration and reconstruction
- Cell behavior in regeneration
- Material testing
- Nanomedicine
- Wound healing and soft tissue repair

*This symposium is cooperating with the [European Journal of Materials \(EJM\)](#).*

### Symposium Organizer



Prof. Dr.-Ing. Aldo R. Boccaccini  
Friedrich-Alexander-Universität Erlangen-N...



Dr. Daniela Carta  
University of Surrey



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