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Materials Science and Engineering C: Materials for Biological Applications includes topics at the interface of the biomedical sciences and materials engineering. These topics include:

- Bioinspired and biomimetic materials for medical applications
- Materials of biological origin for medical applications
- Materials for "active" medical applications
- Self-assembling and self-healing materials for medical applications
- "Smart" (i.e., stimulus-response) materials for medical applications
- Ceramic, metallic, polymeric, and composite materials for medical applications
- Materials for in vivo sensing
- Materials for in vivo imaging
- Materials for delivery of pharmacologic agents and vaccines
- Novel approaches for characterizing and modeling materials for medical applications

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