

EUROMAT 2017/ Symposia Structure/Area F

F.2	Title: Biomaterials for therapeutic delivery		
	Organizer	Institution	Contact email
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Summary			
<p>This symposium aims to cover a variety of biomaterials currently employed for the delivery of therapeutic agents, and to present the latest results from <i>in vitro</i> and <i>in vivo</i> studies. Synthetic or natural biomaterials play a key role in modern drug delivery technologies. The latest advances on synthesis and characterization of those biomaterials would be here presented.</p> <p>The ability to control the <i>in vitro</i> and <i>in vivo</i> delivery of therapeutic agents from implanted biomaterials would be discussed throughout the Symposium. Recent advances both in Academia and Industry on this release topic would be here presented and discussed.</p> <p>The targeted topics in this Symposium include the functional biomaterials development from the perspective of materials design, including polymers, ceramics, metals and hybrid materials; and from the perspective of the functionality, including the delivery of a variety of therapeutic agents, such as drugs, ions, or any type of biomolecule.</p> <p>This symposium will highlight the role of biomaterials in the drug delivery area, bringing together researchers from many different areas, such as materials engineers, chemists, physicists, biologists, biomedical researchers and medical doctors.</p> <p>Special Issue publication</p> <p>A selection of works from symposiums F2 to F3, at the discretion of the symposium organizers, will be invited to present a full manuscript for a special issue "Smart Materials for Nanomedicine" that the <u>Chemical Engineering Journal</u> (Impact Factor 5.310) will publish. The manuscripts will be subjected to regular peer review procedures, according to the journal standards. All articles for Chemical Engineering Journal should be submitted, reviewed and finally accepted online via our online editorial system (EES/EIVSE).</p> <p>Manuscripts could be submitted from early July 2017 until 18 Sep 2017</p> <p>Keynote speaker: Prof. Constantin-C. Coussios, PhD (Cantab) Statutory Chair of Biomedical Engineering, University of Oxford Director, Oxford Institute of Biomedical Engineering (www.ibme.ox.ac.uk) Director, Oxford Centre for Drug Delivery Devices (OxCD3) (www.drugdelivery.org) Professorial Fellow of Magdalen College</p>			