

TERMIS – EU SYMPOSIUM SUBMISSION FORM

Title:	BIOFABRICATION FOR REGENERATIVE MEDICINE APPLICATIONS	
	Name	Affiliation
Chair:	James J. Yoo	Wake Forest University, USA
Co-Chairs:	Wei Sun	Drexel University, USA, and Tsinghua University, China
Keynote Speaker *:	James J. Yoo	Wake Forest University, USA
Organizers:	Dr. James J. Yoo Dr. Wei Sun	Wake Forest University, USA; jyoo@wfubmc.edu Drexel University, USA, and Tsinghua University, China; sunwei@drexel.edu
Synopsis: Please provide a brief synopsis of the proposed symposium (up to 600 words). Please use allocated space below.		
<p>Biofabrication has become an innovative tool for tissue engineering and regenerative medicine. Biofabrication uses cells, biomaterials and macromolecules to create basic building blocks of tissues and organs. This special session will report state-of-the-art research and development of using novel physical, chemical, biological, and/or engineering process for 1) construction of cell assemblies as tissues for regenerative medicine, disease models and drug models; 2) integrated bio-nano fabrication and bio-micro fabrication; 3) cell/tissue printing, patterning and organ printing; 4) cell-integrated biological systems, microfluidic devices, biosensors, and biochips; 5) 3D tissue scaffolds and tissue constructs; 6) Computer-aided biofabrication and tissue engineering; and 7) Protein/biomolecule printing and patterning.</p>		
Symposium Keywords:	Biofabrication, Bioprinting, Organ printing, cells, biomaterials, biomechanics.	

*The Keynote Speaker needs to be confirmed at the time of the proposal