



**TERMIS – EU SYMPOSIUM SUBMISSION FORM**

<b>Title:</b>	Biointerfacial Engineering in Regenerative Medicine	
	<b>Name</b>	<b>Affiliation</b>
<b>Chair:</b>	Antonio Peramo	Department of Oral and Maxillofacial Surgery University of Michigan
<b>Co-Chairs:</b>	Håkan Engqvist	Department of Engineering Sciences Uppsala University, Sweden
<b>Keynote Speaker *:</b>	Antonio Peramo	Department of Oral and Maxillofacial Surgery University of Michigan
<b>Organizers:</b>	Antonio Peramo aperamo@umich.edu	Department of Oral and Maxillofacial Surgery University of Michigan
<b>Synopsis:</b> Please provide a brief synopsis of the proposed symposium (up to 600 words). Please use allocated space below.		
<p>The interface between tissues and medical implants is prone to infections and, over time, is not conducive to the integration of the implant with the tissue, ending with implant failure. These failures, with higher rates for percutaneous implants due to the permanent disruption of the skin, limit the time and usefulness of the implants and cause significant health care costs and patient morbidity. Seeking solutions for these problems, the Symposium objective is to introduce this area of research to the regenerative medicine and tissue engineering communities. During the Symposium we will discuss the problems associated with implants, in a broad sense, and then the possible implementation of regenerative techniques applied to the interfaces between tissues and medical implants. Abstracts describing novel technological approaches (ie nanotechnology); implant surface modification; cell delivery; tissue-implant integration (bone, skin or other tissues); osseointegrated prosthesis; dental prosthetics; and other research in the area of cell and tissue engineering and biointerfacial engineering are welcome.</p>		
<b>Symposium Keywords:</b>	Biointegration, bioengineering, cell delivery, implant tissue engineering	

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