

Tuesday, 5th February, 12.00 pm, Seminar Room

Host: Dr. Aitziber L. Cortajarena & Dr. Sergio Moya

A Scientific Journey to Entrepreneurship

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There are some drug delivery and regenerative medicine technologies that have seen several firsts in the last few years. In my conference I will summarize my experience in nano and microtechnologies including cell-laden hydrogels. In this approach, transplanted cells are protected from immune rejection by an artificial, semipermeable membrane, potentially allowing transplantation (allo- or xenotransplantation) without the need for immunosuppression. Interestingly, the field of biological therapies constitutes a relatively new biotechnology that has been a breakthrough in the stimulation and acceleration of soft-tissue and bone healing. The efficiency of this process lies in the local and continuous delivery of a wide range of growth factors and proteins, mimicking the needs of the physiological wound healing and reparative tissue processes. This field has been extended to many different fields, including orthopedics, sports medicine, dentistry, cosmetic and periodontal medicine and cosmetic, plastic and maxillofacial surgery. I will end my talk describing my last entrepreneurship project, a company based on developing innovative technologies and tools and discovering new biomarkers for the diagnosis and early prediction of Alzheimer's Disease as well as for exploring new therapeutic strategies for this and other CNS diseases.